

MagicInfo Server

User Guide

MagicInfo Server is a web-based tool used to manage content files and devices. It also creates and distributes content file schedules.



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Licenses

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Before getting started

Rules used in this user guide

Product information in this user guide is based on the following rules.

Opening a Menu

Instruction to open a menu is shown as follows.

Select the **Schedule** tab > **Content Schedule**.

→ In other words, select **Content Schedule** from the **Schedule** tab.

Software names

The software names featured in this manual are abbreviated as follows.

■ MagicInfo VideoWall Console	→	VideoWall Console
■ MagicInfo VideoWall i Player	→	VideoWall i Player
■ MagicInfo VideoWall Author	→	VideoWall Author
■ MagicInfo Layout Editor	→	Layout Editor
■ Samsung MagicInfo Web Author	→	Web Author
■ MagicInfo Player I, MagicInfo Player S and MagicInfo Player S2	are collectively referred to as	MagicInfo Player.

Key functions

MagicInfo Server is a web-based tool used to manage content files and devices. It also creates and distributes content file schedules.

Connect to the server via a web browser to remotely control devices, manage user information, and schedule the playback of content files with a variety of extra effects.

Media content file management

- Add and manage LFD content files created using MagicInfo Author and media files (photo, video, music, VideoWall, document, Flash and PDF files) saved on your computer.
- Schedule the playback of added content files and distribute the scheduled files to devices.
- Download content files to your computer.
- Edit or delete content file information.
- Add or manage content files by user. Search content files using a variety of keywords.
- Create groups to conveniently manage content files by group.
- Search content file logs to view content file events (add, delete and edit) on the server.
- Save content file information as an Excel or PDF file to your computer.
- Preview the selected content files from the content file list page.

Playlist for sequential playback

- Add a variety of content files saved on the server to a playlist for sequential or random playback.
- Apply a screen transition effect when playing content files.
- Create groups to conveniently manage playlists by group.

Remote device monitoring

- View device information (device name, playing content files and current schedule) and device on/off status in real-time.
- Delete devices if required.
- Devices are displayed according to the following statuses: default content file playback, scheduled content file playback, panel off and disconnected from the server. This provides the status of a device in real-time.

Remote display control

- View LFD device information and network/system settings. Remotely adjust detailed system settings (on timer, monitoring interval and system restart interval) and display settings (volume, mute, brightness and power).
- Establish a remote connection via an LFD VNC terminal.
- Perform remote tasks (send/get files, delete files/folders, restart, manage services, execute commands, end processes, close windows) on devices connected to the server.

Device error management

- Configure events to handle alarms and errors that meet specified conditions when they are notified to the server.
- Handle notified device alarms or errors according to the type of alarm or error.

Remote software update

- A feature to automatically update the alarm generation rule file is provided. The file updates applications installed on a device or sends alarms/errors to the server.
- Distribute software registered on the server to devices at a specified time.
- MagicInfo Server can be used to add and manage MagicInfo Player update software files.
- Update files can be updated automatically or by scheduling.
- Download and update software automatically when a device is connected to MagicInfo Server or at a specified time.

Content file schedule creation and management

- Create schedules to play content files at a desired time.
- Daily, weekly and monthly schedules can be created.
- Assigning several channels to a schedule allows you to play various programs of your choice from the single schedule.
- Organize playlists and VideoWall content files into a single content file.
- Apply a screen transition effect when playing multiple content items.
- Configure background music for scheduled content files.
- View and manage the status of using scheduled content files.
- Split the screen of an LFD device and play different content files on the divided sections.
- Distribute schedules to the selected devices or device groups.
- Check the distribution status of a schedule or cancel the distribution.
- Create groups to conveniently manage content file schedules by group.
- Search content file schedule logs to view content file schedule events (add, delete and edit) on the server.

Message schedule creation and management

- Create and play a message immediately or at a specified time on the selected device or device group.
- Specify the message font, size and color.
- Configure the message settings: background image, position on the screen, scroll on/off, and scroll speed.
- Create groups to conveniently manage message schedules by group.
- Preview messages to display.

Creating and managing event schedules

- Creating an event allows you to play desired content/messages or change device channels when the event conditions are satisfied.
- Configure a detailed event schedule by adding several conditions to the event.
- Create groups to conveniently manage event schedules by group.
- For message conditions, configure the message background image, screen position, scroll on/off setting and scroll speed. Preview messages in advance.

Managing user information and editing roles

- Retrieve all users of the server and manage their information.
- Create organizations and groups to conveniently manage users by group.
- Using the user menu, create and apply organizations to the content, schedule, device and user menus.
- An administrator can create roles to access menus on the server and assign the roles to users.

Statistics

- Statistics are provided for disconnected/connected devices, the panel on/off status on connected devices, authorized/ unauthorized devices and the number of added content files by type.
- Statistics are provided for device errors, connection statuses, authorized devices, and schedules distributed to devices.
- Statistics are provided for the types of content files played on MagicInfo Player and the playback count.

System requirements

Hardware

- CPU: Dual Core 2.5 GHz or greater
- RAM: 2,048 MB or greater
- HDD: 200 GB or greater

Software

- Internet Explorer 9/10
- Chrome

Note

If Compatibility View is enabled in Internet Explorer, the content authoring feature is not available. Refer to the following for further details. ► [Internet Explorer browser mode settings](#)

System

- Windows 2003
- Windows XP Professional SP3
- Windows Vista
- Windows 7 Professional
- Windows Server 2008
- Windows 8 Professional
- Windows Server 2012

Note

Windows XP Home Edition and Windows 7 Home Edition, Windows 8 Home Edition are not supported.

VideoWall network requirements

- A 1 Gbit network is recommended
- 1Gbit Ethernet Layer 2 Switch Hub (with IGMP snooping supported)
- UTP Cat. 5e or higher specification LAN cable support (UTP or STP Cat.6 is recommended.)
- More than one uplink port is recommended (optional) if you plan to extend the VideoWall at some other time.

Program restrictions

Sign In

- The MagicInfo Server URL is `HTTP://(server IP):(server port)/MagicInfo`. Server IP is the IP address of the location where the server is installed. Port number is the port number entered at the time of the server installation. The “MagicInfo” at the end of the address is case-sensitive.
- Server connection environment is optimized for Internet Explorer. Internet Explorer 8 is recommended.
- One general administrator ID is created at the time of initial server deployment. Each organization has one administrator.
- Approval by the administrator is required for users to log in after sign-up.

Content file management

- Java Web Start installation guide is displayed when the page to add content files is opened for the first time. To add content files on a local driver to the server, make sure to install Java Web Start.
- The following media files can be added: Photo, video, music, LFD, VideoWall, document, Flash and PDF files.
- To edit a content file, select the checkbox of one file only and click the edit button.
- Scheduled content files and playlists cannot be deleted. To delete a content file or playlist assigned to a schedule, delete the schedule first.
- Deleted content files and playlists are moved to Recycle Bin. Content files and playlists in Recycle Bin can be restored. Deleting files in Recycle Bin will delete them permanently.
- To extract a preview image of a content file uploaded using Java Web Start, ensure the codec for the specific file is installed.
- Configuring the proxy settings for file upload and download is possible only when the transfer mode is HTTP.
- A thumbnail image may not be displayed for Korean-language files being uploaded. In this case, enable **Send UTF-8 URLs** in the web browser Options.
- If the computer attempting to upload a file has a built-in Intel graphics card, a black blank image may be displayed as the file thumbnail image.
- Files with a name that cannot be read by the locale of the operating system where MagicInfo Server is installed may not be uploaded. For example, Korean-language files cannot be uploaded if MagicInfo Server is installed on English-language Windows.
- Content files can be downloaded irrespective of the locale of the OS installed on a device.
- If a content file download to a device fails (due to connection issues or for other reasons), the download can be resumed from the last point it was disconnected.

Schedule management

- To distribute a schedule to devices, make sure the devices are powered on and connected to the server. A schedule is automatically distributed to powered off devices as soon as they are powered on.
- The frame of a created schedule can be split into a maximum of four sections.
- Schedules cannot be added to a time slot that has been restricted from scheduling.
- When creating schedules, VideoWall content files cannot be used along with other content files. Other content files do not contain the coordinate information of a VideoWall device.

Device management

- To connect to VNC, make sure to install Java Web Start, which functions as VNC Viewer, on the server. Ensure the VNC Server program is installed on the device to connect. The VNC program is installed on a computer when a remote connection is established if not already installed.
- Remote VNC connection may not be established in some network environments.
- Devices that are powered on but not connected to MagicInfo Server are displayed as Power OFF on the monitoring page.
- It is not possible to change the display and system settings of a powered off device.
- Panel On time (**Device > Display > Panel On Time**) is the total time an LFD panel has been on since factory release. This function is only provided on products released after MXn. Contact a Customer Service Center for further details.
- The device search function only finds devices on the same network as the server.
- The **On** function that remotely switches on an LFD is only available for devices that share the same subnet as MagicInfo Server.
- If the time set for a scheduled alarm rule/software distribution precedes the current time, distribution takes place immediately upon scheduling.
- New device authorization can only be performed by the general administrator (user ID: **admin**) or a user belonging to an administrator group allowed to authorize devices. If only one organization exists, the administrator of the organization can also authorize devices.
- MagicInfo Player S does not support the following functions: remote connection, screenshot view, remote task, and some functions in the settings tab including the function to add device tags.

User management

- Organization administrators and general users cannot view and edit organizations.
Only the general administrator (user ID: **admin**) can view and edit (create, edit or delete) organizations.
- Organizations can be edited (create, edit or delete) in **User** on the main tabs. Created, edited or deleted organizations are applied to the content, schedule, device and user menus.
- Canceled user accounts cannot be restored by the administrator. Re-registration is required. A password confirmation pop-up appears if a canceled user ID is entered during sign-up. Enter the correct password to sign up for a new account.
- Functions not authorized to access are not displayed.
- Users with full privileges without restrictions belong to the group of administrators including the general administrator. New users can only be created by users with privileges to create users.

Personal info management and server settings

- Passwords can be changed in **Setting > Manage User Info > Manage Password** on the main tabs. Make sure a new password is different from the current password. The new password cannot contain three or more identical numbers or characters consecutively. A password that is only made up of either letters, numbers or special characters cannot be used.
- Canceling a user account does not delete files created by the user.
- To delete an administrator account, first go to **Setting > Manage User Info > Transfer Administrator Privileges** on the main tabs in MagicInfo Server. Next, assign the administrator account to another user. The user, to be assigned as the new administrator, must belong to the same organization as the current administrator.
- To issue a temporary password to a user, make sure **Server Settings** is enabled in **Setting > SMTP Server** on the main tabs.

VideoWall restrictions

- Messages can be distributed when the videowall device layout is set to formal mode.
- To synchronize effects when configuring the VideoWall, the same playback environment and contents must be prepared on the connected VideoWall device.
- To play streaming content on a videowall display using MagicInfo Player I, make sure to install the MPEG2 and WMV codecs.
- When playing content on a PC using the ICON codec, FPS may degrade or playback may be choppy. This can happen if the device that runs the ICON Encoder and ICON Decoder does not meet the following requirements.
 - VideoWall Live Caster (ICON Encoder)
Specifications: 1920x1080, 25 fps
Requirements: A PC with an x86 CPU (Intel Core i5 2.7 GHz or higher)
 - VideoWall i Player (ICON Decoder)
Specifications: 1920x1080, 25 fps
Requirements: AMD A8-3510M 1.8 GHz or greater
- A maximum of ten PC screens can be played from Live Caster depending on the system resources and videowall configuration. To play ten or more computer screens simultaneously, lower the resolution or frame rate (FPS) to ensure proper playback.

VideoWall-compatible content file formats

- Video: Make sure an appropriate codec is installed to play video on the display devices.

Up to full HD (1920X1080) video files are supported.

File format	WMV	MPEG2(MPEG-TS)
Resolution	FHD	FHD
Data rate (fps)	30 fps	30 fps
Bit rate	10M	20M~25M
Bit transfer type	Constant	Constant
Codec	Codec is not required.	Elecard Codec (Codec for MPEG2 only)

- Image: the bmp, jpeg, gif, png and tif formats are supported.

If the layout has been set to informal mode using different device models, the time it takes to load a high-resolution image can vary from device to device.

- Stream data: IP Camera (available with Samsung products only)/ PC Screen
- Stream Server: VideoLAN Client - VLC versions (v.2.0.1~2.0.3) are supported.

Visit <https://v3.samsunggsbn.com> to find a list of compatible products.

Structure of MagicInfo Server

MagicInfo Server has a three-tier structure.

MagicInfo Server general administrator

A general administrator account is created when MagicInfo Server is installed. The general administrator account is referred to as the SaaS administrator.

- The general administrator can create organizations on the server. They can access/edit all user and content file information.
- The general administrator can authorize, delete and rearrange all devices added to MagicInfo Server.
- Refer to the following for further details on the SaaS administrator. ► [SaaS administrator](#)

Note

The general administrator account ID is "admin" and cannot be changed. The password entered at the time of MagicInfo Server installation is used as the password.

Organization

Organizations are the largest units of a user category created by the SaaS administrator from MagicInfo Server. One administrator account is created per organization. This administrator is referred to as an organization administrator.

- An organization administrator can add groups, users and content files to their organization and edit them.
- Organization administrators cannot access information not pertaining to their own organizations.

Group

Groups are units of users that belong to MagicInfo organizations. No administrator has been specified. Group users are assigned roles by the organization administrator.

- Group users can access menu items authorized by the organization administrator.
- Group users cannot access information not pertaining to their own groups.

Installing/uninstalling the program

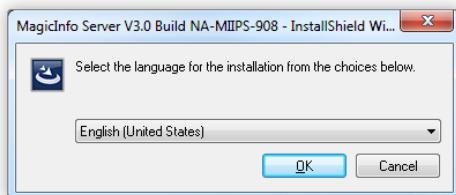
① Precautions when installing the program

MagicInfo Server can only be installed using a Windows administrator account.

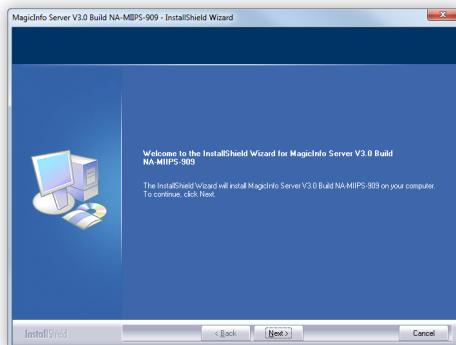
Installation

① Precautions when installing PostgreSQL

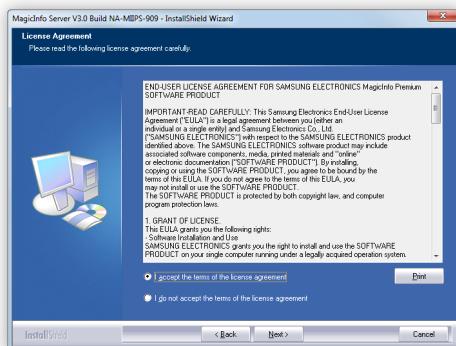
- To install MagicInfo Server, first make sure PostgreSQL is installed.
- The **Secondary Logon** service must be enabled on your computer to successfully install PostgreSQL.
- Before installing PostgreSQL, click **Control Panel > User Accounts > Change User Account Control settings** from the Start menu. Select **Never notify** for **Choose when to be notified about changes to your computer for proper installation**.
- The PostgreSQL port and administrator account password set during PostgreSQL installation are also required for MagicInfo Server installation. Remember these for future use.



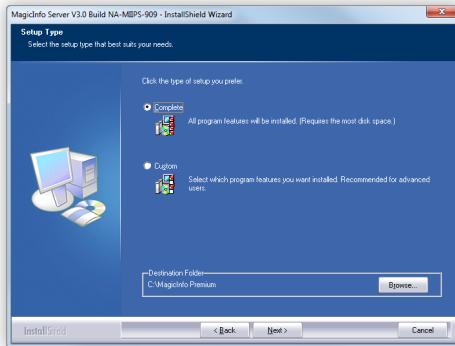
1 Specify the installation language and click **OK**.



2 Click **Next** to proceed.



3 Agree to the license agreement and click **Next**.



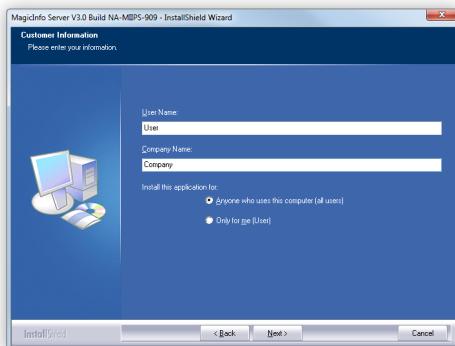
4 Specify the program installation type and installation path. Then, click **Next** to proceed.

Specifying the installation type

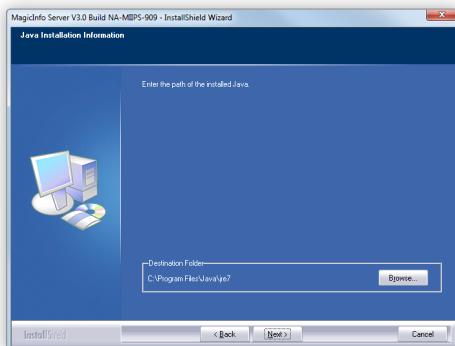
Installation process differs slightly for each installation type. The following installation instructions apply when **Complete** is selected.

If **Custom** is selected, select the functions to install and click **Next**. Installation process when both **WAS** and **DB** are selected is the same as when **Complete** is selected.

- If **WAS** is only selected in **Custom** mode, enter a database server IP and password for the data connection. Then, click **Next** to proceed to the step to register user information.
- If **DB** is only selected in **Custom** mode, enter a WAS server IP for the database connection. Then, click **Next** to proceed to the page to enter the PostgreSQL administrator account password.



5 Enter user information.

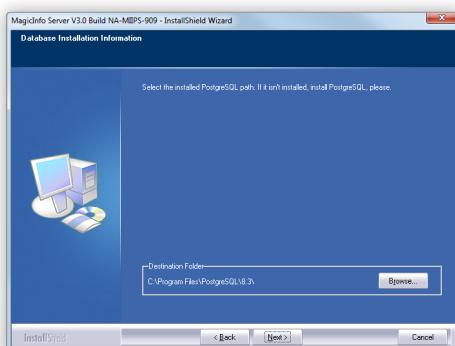


6 Specify the Java installation path.

This step is omitted if you have selected **Custom > DB** for **Setup Type**.

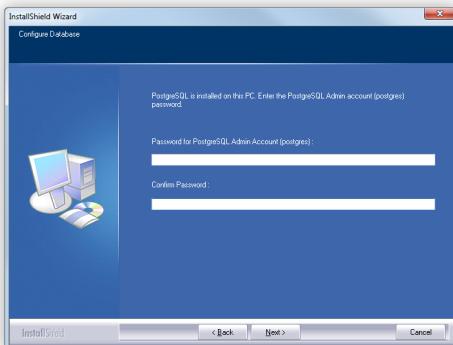
Java installation

If Java is already installed on the destination computer for the MagicInfo Server installation, select the existing path. If Java is not installed, it is installed automatically when MagicInfo Server is installed.



7 Select the path where PostgreSQL is installed.

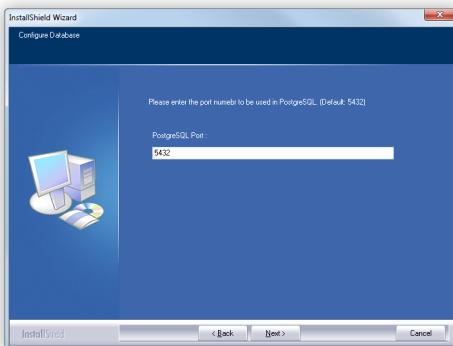
This step is omitted if you have selected **Custom > WAS** for **Setup Type**.



8 Enter the PostgreSQL administrator account password.
This step is omitted if you have selected **Custom > WAS for Setup Type**.

Entering the PostgreSQL administrator account password

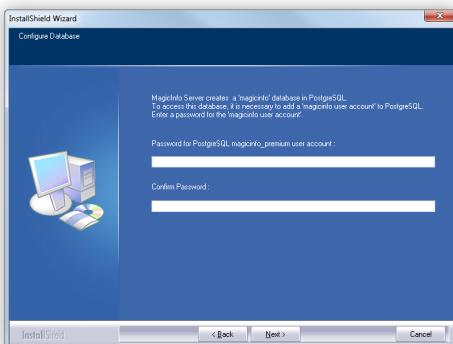
Enter the PostgreSQL administrator account password set during PostgreSQL installation.
The MagicInfo user account password of PostgreSQL is used for server backup and restore.



9 Enter the port used by PostgreSQL.
This step is omitted if you have selected **Custom > WAS for Setup Type**.

Specifying the PostgreSQL port

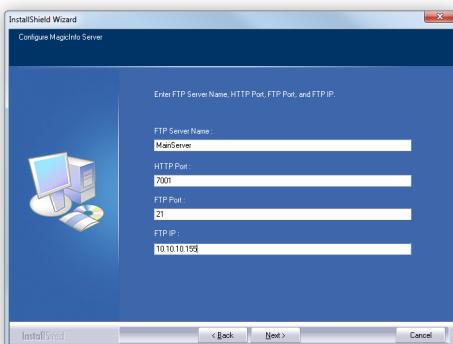
Enter the PostgreSQL port set during PostgreSQL installation.



10 Enter the magicinfo user account password of PostgreSQL.

Entering the magicinfo user account password of PostgreSQL

MagicInfo Server creates a 'magicinfo' database on PostgreSQL. A magicinfo_premium user account must be added to PostgreSQL to access the database. Enter a password for this user account.



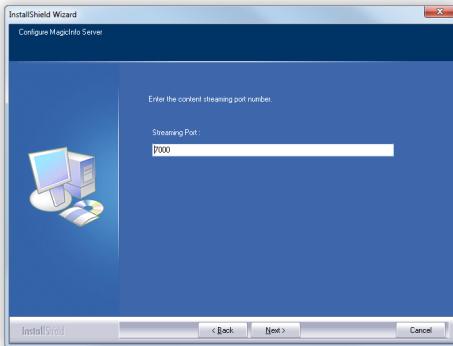
11 Enter FTP server information.

This step is omitted if you have selected **Custom > DB for Setup Type**.

Selecting an IP from multiple IPs

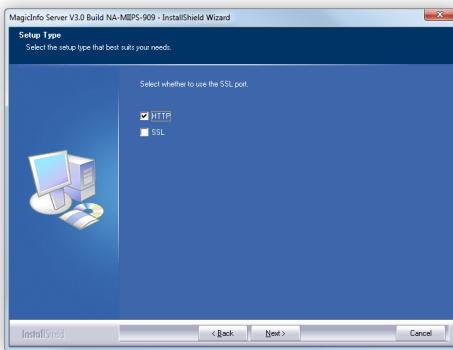
If the computer where the server is installed has two or more network cards, multiple IPs will exist. On the IP selection page displayed when the MagicInfo user account password is entered, select the IP to use on the server.

This step is omitted if you have selected **Custom > DB for Setup Type**.



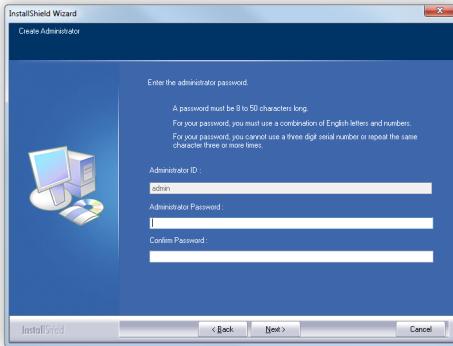
12 Configure the content file streaming port settings.

This step is omitted if you have selected **Custom > DB** for **Setup Type**.



13 Enable or disable the SSL port.

If the SSL port is enabled, configure the general mode and SSL port mode settings.

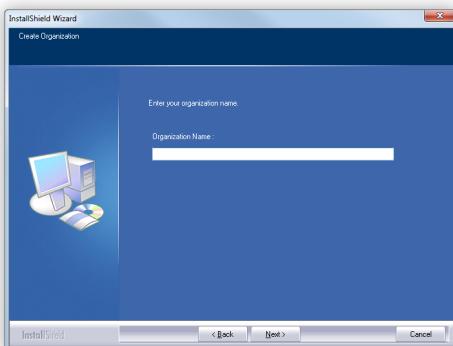


14 Set the general administrator password.

This step is omitted if you have selected **Custom > WAS** for **Setup Type**.

 **General administrator password**

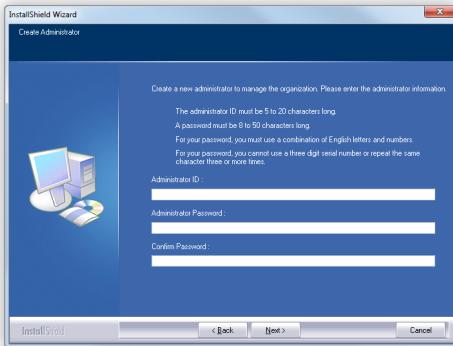
- A general administrator account with the ID “admin” is automatically created during installation. The general administrator can manage all server functions related to users and devices.
- The general administrator password can be a combination of alphanumeric characters and must be between 8 and 50 characters long. The same number or letter cannot be repeated three times or more consecutively.



15 Create an organization to use during the initial installation of MagicInfo Server.

Enter an organization name.

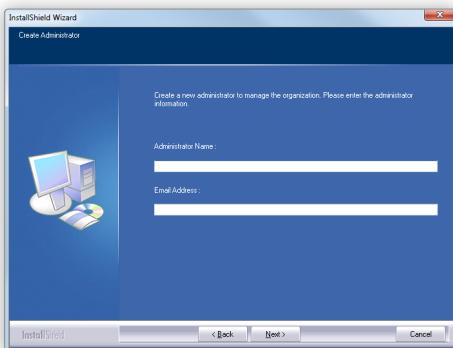
This step is omitted if you have selected **Custom > WAS** for **Setup Type**.



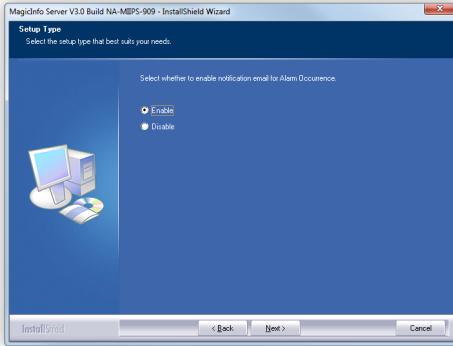
16 Create the administrator for the new organization.
Enter the administrator ID and password.
This step is omitted if you have selected **Custom > WAS for Setup Type**.

Creating an organization administrator

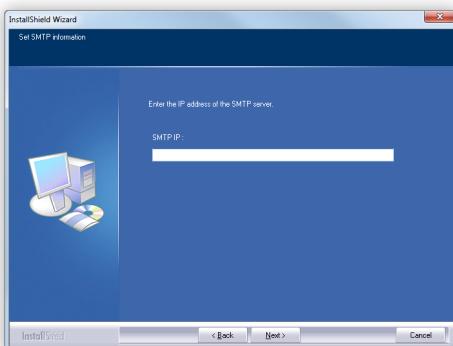
- An administrator ID can be between 5 and 20 characters long.
- The administrator password can be a combination of alphanumeric characters and must be between 8 and 50 characters long. The same number or letter cannot be repeated three times or more consecutively.



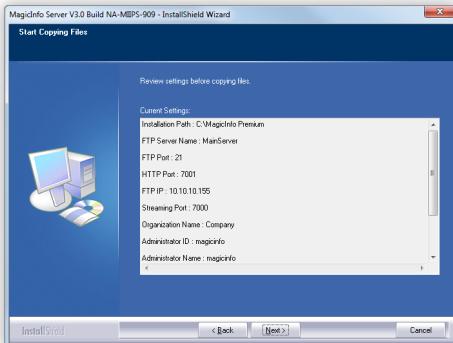
17 Enter the administrator name and e-mail address.
This step is omitted if you have selected **Custom > WAS for Setup Type**.



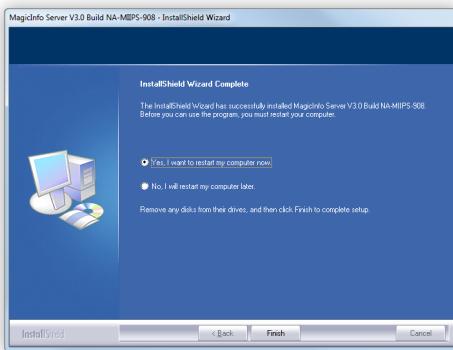
18 Enable or disable the SMTP server. The SMTP server is required to send alarm notification and user rejection notification e-mails.
– Select **Enable** to proceed to the step to configure the SMTP server IP.
– Select **Disable** to proceed to the next step of installation.
This step is omitted if you have selected **Custom > DB for Setup Type**.



19 Enter the SMTP server IP address.



20 Click **Next** to proceed.



21 Click **Finish**.

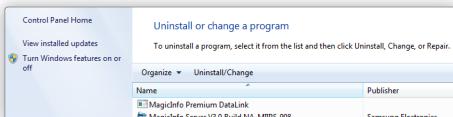
- For system setup, make sure to restart the system after the installation is complete.
- When the system is restarted, MagicInfo Service starts and MagicInfo Server can be opened on a web browser.

Internet Explorer browser settings

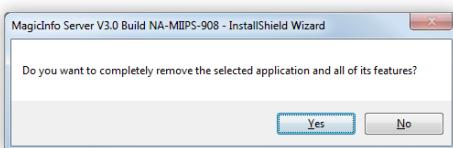
The following Microsoft Internet Explorer settings are required upon completion of the MagicInfo Server installation.

- Select **Tools > Internet options > Browsing history > Settings > Temporary Internet Files > Every time I visit the webpage.**
- Select **Tools > Internet options > Advanced > International > Send UTF-8 URLs.**

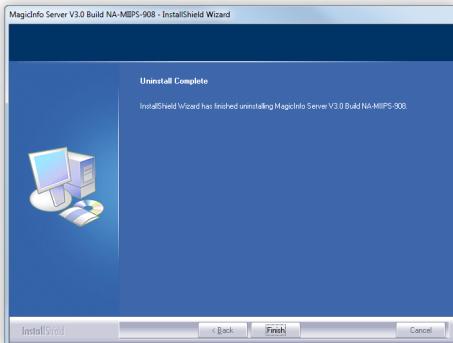
Uninstallation



1 Click **Control Panel > Programs and Features**.
Select **MagicInfo Server**, and then click **Uninstall**.



2 Select **Yes**.



3 Click **Finish**.

Precautions when uninstalling the program

- Close all internet web browser windows and applications before uninstalling the program.
- Uninstalling the program only removes MagicInfo Server. Java and PostgreSQL are not removed.
- The program can also be uninstalled by selecting **Start > All Programs > MagicInfo Premium > Server > Uninstall MagicInfo Premium Server**. Uninstalling the program does not remove the database. It will be overwritten by a database with the same name when MagicInfo is reinstalled.

MagicInfo Server backup and restore

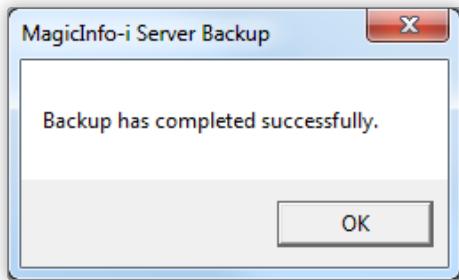
MagicInfo Server provides backup and restore features.

To back up or restore on Windows, select **Start > All Programs > MagicInfo Premium > Server** and click the backup or restore icon.

Backup



1 Select a drive to back up and enter the password "magicinfo database" set when MagicInfo Server was installed.



2 Click **Backup**.

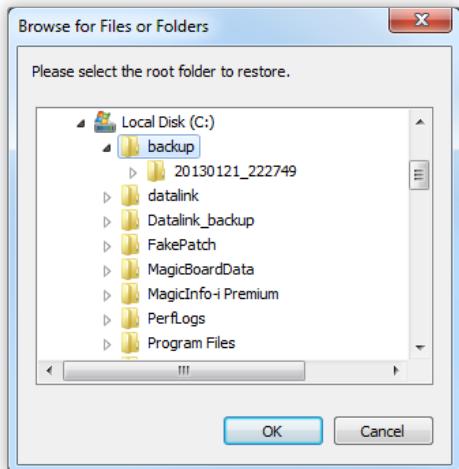
Back up the current MagicInfo Server settings and data.

Backed up data is saved under **C:\backup** in folders named according to date and time.

Periodic backup using the Windows task scheduler feature

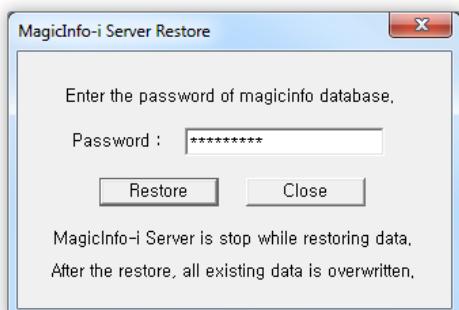
Perform regular backups using the task scheduler feature from Windows. Refer to MS Windows Help or the user guide for further details on how to use the task scheduler function.

Restore



1 Select the backup data folder of the time to restore.

Backup data is saved under **C:\backup** in folders named according to backed up date and time.

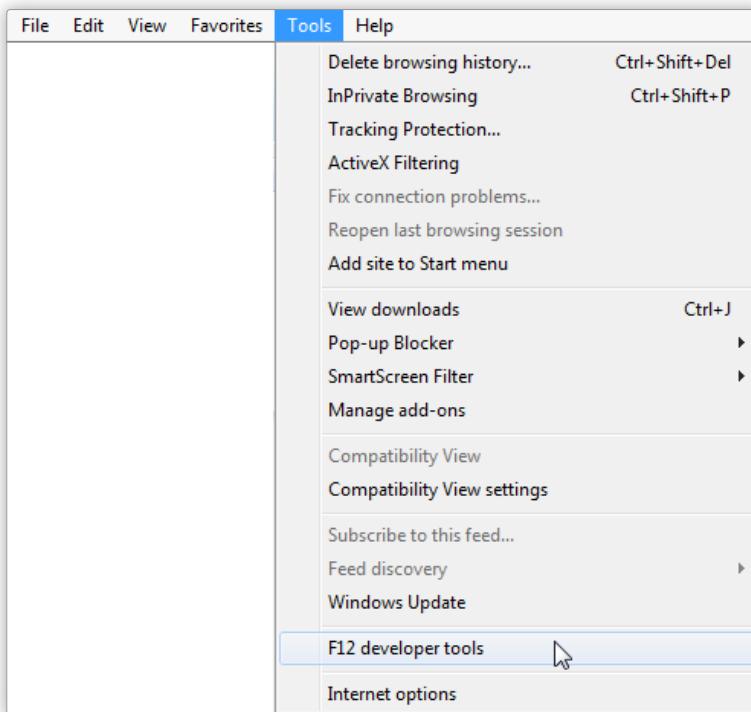


2 Enter the **magicinfo database** password set when MagicInfo was installed and click **Restore**.

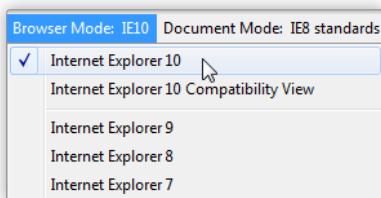
Internet Explorer browser mode settings

To use the content authoring feature using Internet Explorer, make sure Compatibility View is disabled in the browser.

- 1 From the Internet Explorer toolbar, click **Tools** > **F12 developer tools**.



- 2 From the developer toolbar, click **Browser Mode: IE10**, and then select either version **Internet Explorer 9** or **Internet Explorer 10**.



- 3 To save changes, click **File** > **Exit**.

Activating a product license

To use MagicInfo Server, license activation is required after program installation.

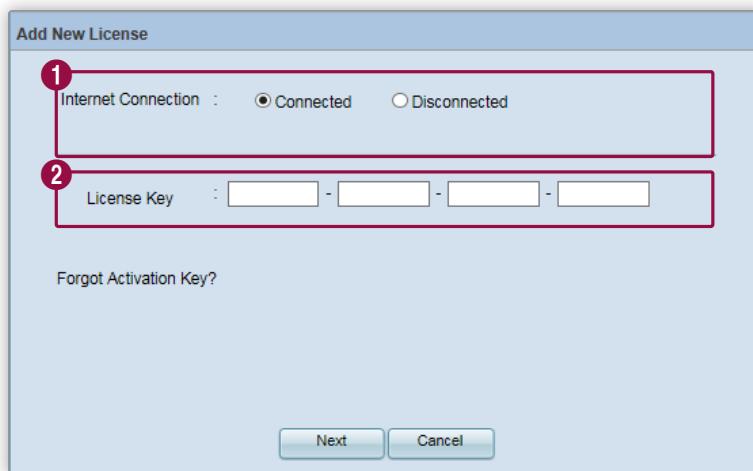
Note

For details on returning or registering a license, refer to the following: [► Managing SLM licenses](#)

Registering a Full License

To use the program with a full license, register the license that came with the product. Users can register a license when running the program for the first time or when using it with a trial license.

- 1 Click **First Time Activation** from the Server License Info screen.



Select an Internet connection status.

1 Note

- If not connected to the Internet, select **Disconnected** and then return the license according to the on-screen instructions.
- To register a license offline, access the license server (<https://v3.samsunggsbn.com>) and obtain an activation key.

2 Enter the new product license key.

- 2 Click **Next** to proceed.

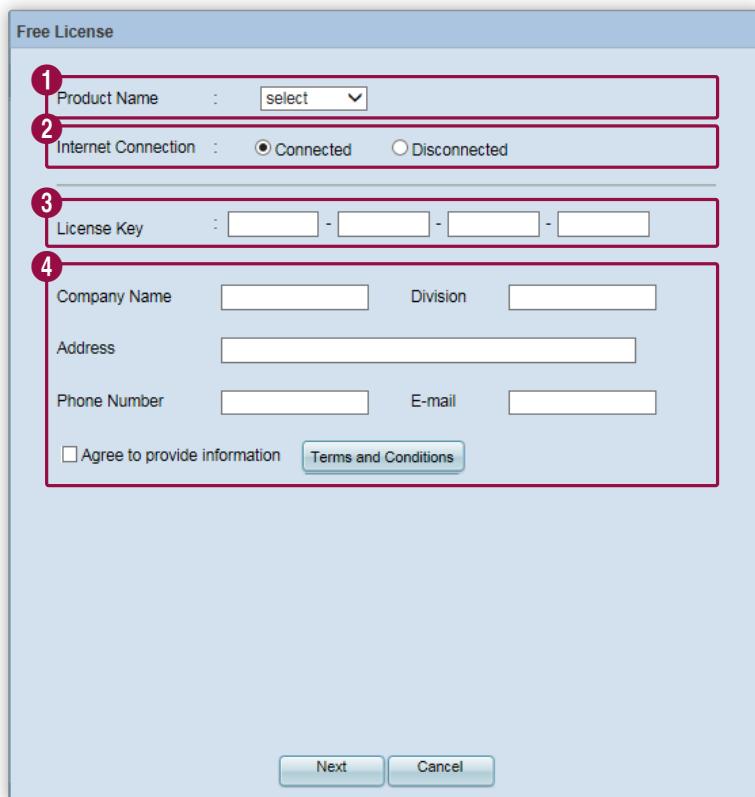
- 3 Fill in the input fields required to activate a license. Select the **Agree to provide information** checkbox.
 - Click **Terms and Conditions** if you want to view the terms and conditions of use.

- 4 Click OK.
- 5 Click OK in the displayed notification window that activation is complete.
 - To obtain access to all the functions in MagicInfo Server, log out and then log in again.

Registering a Trial License

If you have not purchased a full license, use the program by obtaining a trial license for free.

- 1 Click Free License from the Server License Info screen.
- 2 Enter user information.



1 Select a desired product from the dropdown list.

Select an Internet connection status.

2  Note

- If not connected to the Internet, select **Disconnected** and then return the license according to the on-screen instructions.
- To register a license offline, access the license server (<https://v3.samsunggsbn.com>) and obtain an activation key.

3 A trial license key that can be used for free is displayed.

4 Fill in the input fields required to activate a license. Select the **Agree to provide information** checkbox.

- Click **Terms and Conditions** if you want to view the terms and conditions of use.

3 Click **Next** to proceed.

4 Click **OK** in the displayed notification window that activation is complete.

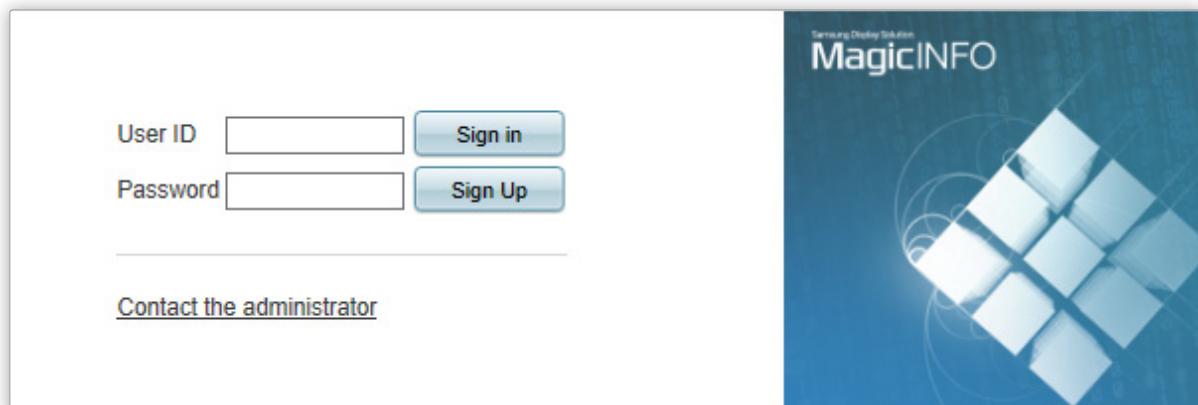
- To obtain access to all the functions in MagicInfo Server, log out and then log in again.

Login and main page

Accessing a server

Enter [http://\(server IP\):\(port\)/MagicInfo](http://(server IP):(port)/MagicInfo) in the web browser address bar.

MagicInfo Server login page is displayed. Enter a user ID and password. Next, click **Login** to go to the main page.



Note

- The "MagicInfo" at the end of the address is case-sensitive.
- Sign-up is required to use MagicInfo Server. Server login is possible after sign-up is approved by the administrator.

Administrator login info

To log in as an organization administrator after the initial installation, enter the administrator ID and password set when the installation file was set up.

To ensure security, change the password in **Setting > Manage User Info > Manage Password** on the main tabs. A password can contain a combination of alphanumeric and special characters.

Samsung Electronics shall not be held responsible for any losses that incur due to a failure to change the password.

Sign-up

- 1 Click **Sign up** from the login page. The sign-up page appears.
- 2 Enter the basic user information, ID and password in the sign-up page.
- 3 Click **Save** to save the information entered. Sign-up is complete.
Server login is possible after sign-up is approved by the administrator.

Join User Account

* is a required item. Please enter a value.

* User ID :	<input type="text"/>	<input type="button" value="Check ID"/>
- Must be 5-20 characters		
* Password :	<input type="password"/>	
* Confirm New Password :	<input type="password"/>	
- A password must be 8 to 50 characters long. - For your password, you must use a combination of English letters and numbers. - For your password, you cannot use a three digit serial number or repeat the same character three or more times.		
* User Name :	<input type="text"/>	
* Organization :	<input style="width: 150px;" type="text" value="Division"/>	
Team :	<input type="text"/>	
Position :	<input type="text"/>	
Telephone :	<input type="text"/>	
Mobile Phone Number :	<input type="text"/>	
* E-mail :	<input type="text"/>	



Precautions when signing up

- A user ID can be 5 to 20 characters long.
- The user ID is case-sensitive and can only contain English alphanumeric characters.
- Enter an ID and click **Check ID** to confirm that a duplicate ID is not already in use.
- Make sure the password is a combination of alphanumeric and special characters.
- A password that is only made up of either letters, numbers or special characters cannot be used.
- Do not use three or more consecutive of the same alphanumeric characters.
- The password can be 8 to 50 characters long.
- Fields with * cannot be left blank.
- Select an organization.

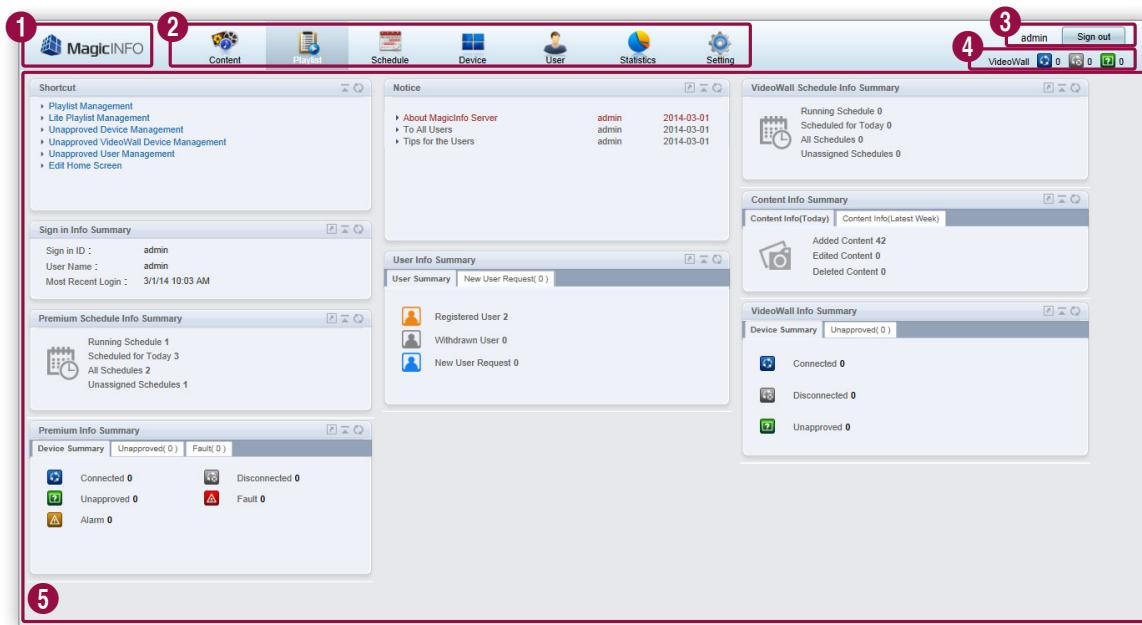
Main page

After product license activation, log in to the server to open the MagicInfo Server main screen.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the administrator page is used as an example to explain all functions.



- 1 Go to the MagicInfo Server main page.
- 2 View the MagicInfo Server main tabs. Click a tab to open the corresponding menu page.
Refer to each chapter for details of each tab.
- 3 Shows the currently signed-in user ID. Click a user ID to open the user information management page.
To log out from MagicInfo Server, click **Logout**.
- 4 View the status of connected devices in real-time.
- 5 Change the display arrangement of information managed by the server, such as notices and content file summaries.
It is possible to customize the layout as desired. Refer to the following for further details. [▶ My page settings](#)

Content files

Content tab

Add content files to distribute to LFD devices to the server and manage the files. Content files that can be added include general media files and DataLink templates. Added content files can be categorized and managed for each user.

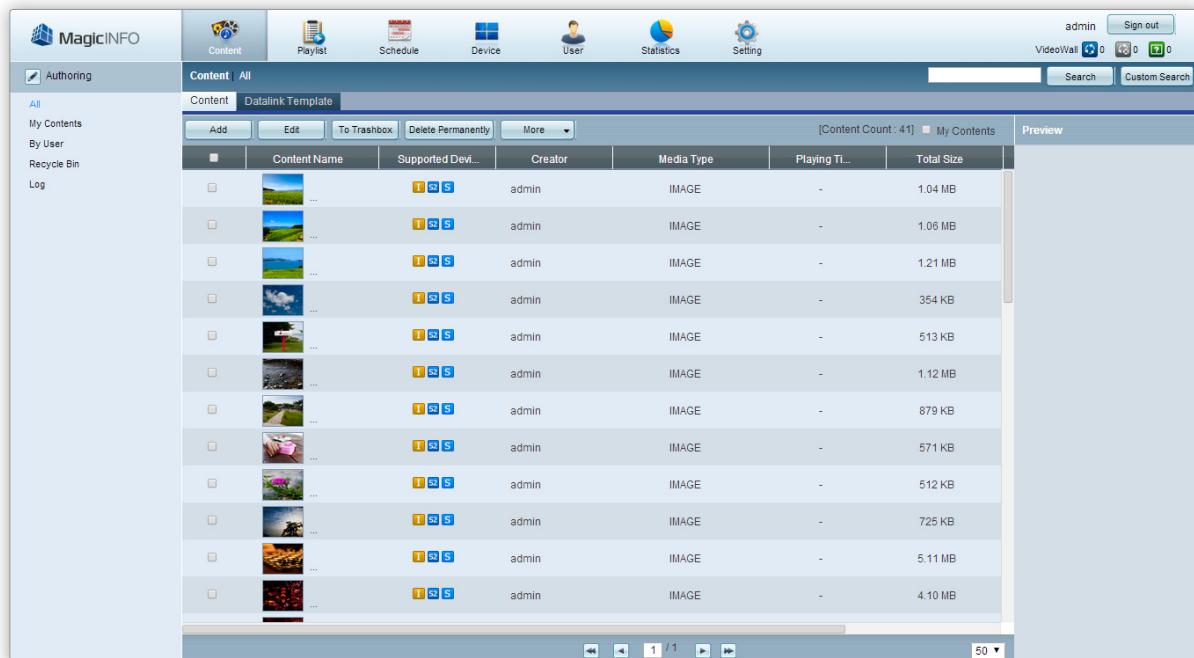
If your account is authorized to manage content files, you can edit or delete content files added by other users in your organization.

From the MagicInfo Server main page, select the **Content** tab.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the administrator page is used as an example to explain all functions.



The screenshot shows the MagicInfo Server interface with the 'Content' tab selected. The left sidebar includes 'My Contents', 'By User', 'Recycle Bin', and a 'Log' section. The main content area displays a table of 14 content items. Each item has a checkbox, a thumbnail image, a content name (e.g., '...', '...', '...', '...', '...', '...', '...', '...', '...', '...', '...', '...', '...', '...'), a 'Supported Devi...' column (all show 'I S'), a 'Creator' column (all show 'admin'), a 'Media Type' column (all show 'IMAGE'), a 'Playing Ti...' column (all show '-'), and a 'Total Size' column (values range from 354 KB to 4.10 MB). The table has a header row with columns for checkbox, Content Name, Supported Devi..., Creator, Media Type, Playing Ti..., and Total Size. A 'More' dropdown menu is visible above the table. The top navigation bar includes links for Content, Playlist, Schedule, Device, User, Statistics, and Setting, along with a sign-out button and a search bar.

Viewing Content

Create groups for each user to manage content files by group. Each account has a **default** group. Only files enabled to be shared are shared. Users must belong to the same organization to share files.

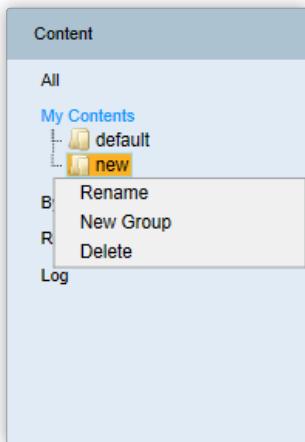
- **All:** View all content files.
- **My Contents:** View content files added with your own account. Create sub-groups under your own account.
- **By User:** View content files categorized by user.

My Contents

The content files list page has a **My Contents** checkbox. Select the **My Contents** checkbox to view the content files you have added.

Group creation and management

- 1 To manage groups, click **My Contents**.
- 2 Select a group and right-click on the mouse.



Rename	Rename the selected group.
New Group	Create groups if required. If you have selected a previously created group, it is possible to create a sub-group.
Delete	Delete the selected group.

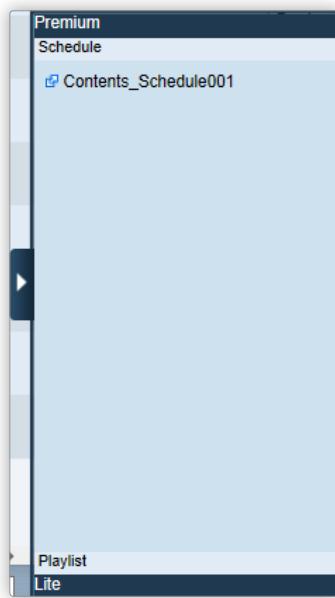
- 3 To move a group, drag the group from My Contents to a desired group.

Note

- A sub-group cannot be created under the default group. To add a root group, select the default group and then create a new group.
- Created groups can be found in By User.
- A root group cannot be moved to a sub-group and vice versa.

Viewing UI connectivity of a content file

Conveniently view details of a playlist or schedule that contains a specific content file.



Viewing registered schedule details

View details of a schedule that contains a specific content file.

- 1 Select a content file from the content file list. Click in the preview section.
 - The connectivity dashboard will appear.
- 2 Select **Schedule**.
 - Schedules containing the selected content file will appear.
- 3 Click next to a schedule to display the schedule details.
 - Click a schedule name to edit the schedule, if required. Refer to the following for further details on editing schedules. [► Editing a content file schedule](#)
- 4 If a schedule containing the selected content file is moved to the recycle bin, appears in front of the schedule name.
 - To view schedules in the recycle bin, click .

Viewing registered playlist details

View details of a playlist that contains a specific content file.

- 1 Select a content file from the content file list. Click  in the preview section.
 - The connectivity dashboard will appear.
- 2 Select **Playlist**.
 - Playlists containing the selected content file will appear.
- 3 Click  next to a playlist to display the playlist details.
 - Click a playlist name to edit the playlist, if required. Refer to the following for further details on editing playlists.  [Editing a playlist](#)
- 4 If a playlist containing the selected content file is moved to the recycle bin,  appears in front of the playlist name.
 - To view playlists in the recycle bin, click .

Searching content files

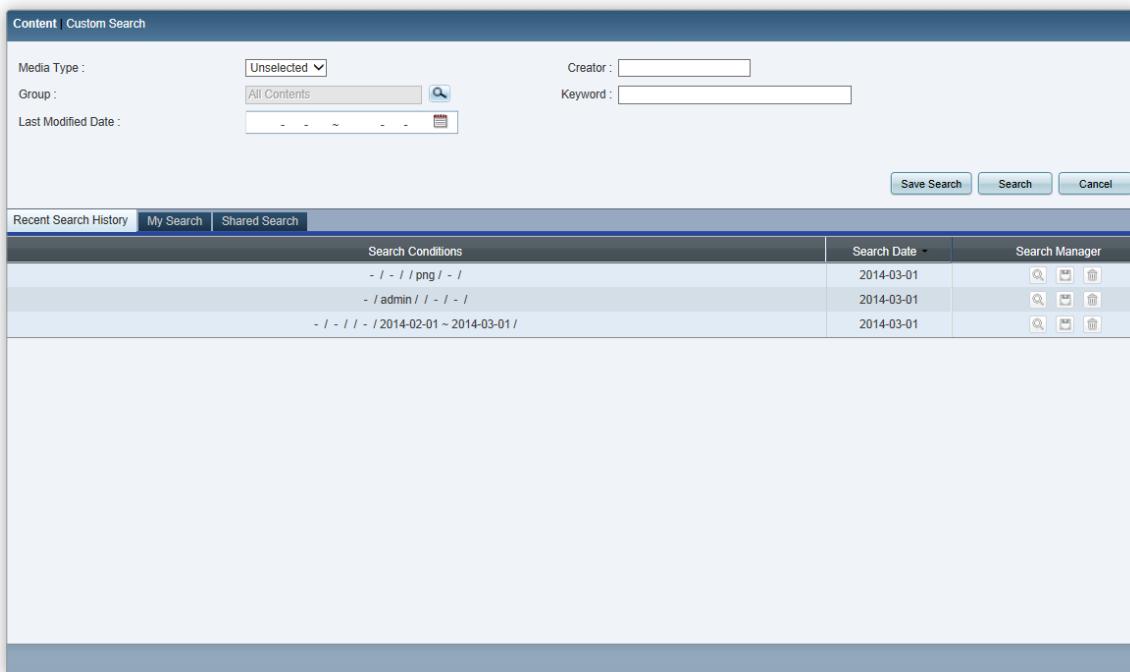


General search

Enter a keyword and click **Search** to search content files that match the keyword.

Custom search

Click **Custom search** to search content files using a variety of criteria.



- Specify the group, creator, last modified date and keyword. Next, click **Search** to search content files that match the conditions.
- Click **Save Search** to save the specified search criteria. To share the criteria with other users, enable the mode to share criteria.
- Recent Search History** shows a list of recently used search criteria.
- My Search** shows saved search information.
- Shared Search** shows a list of shared search criteria.

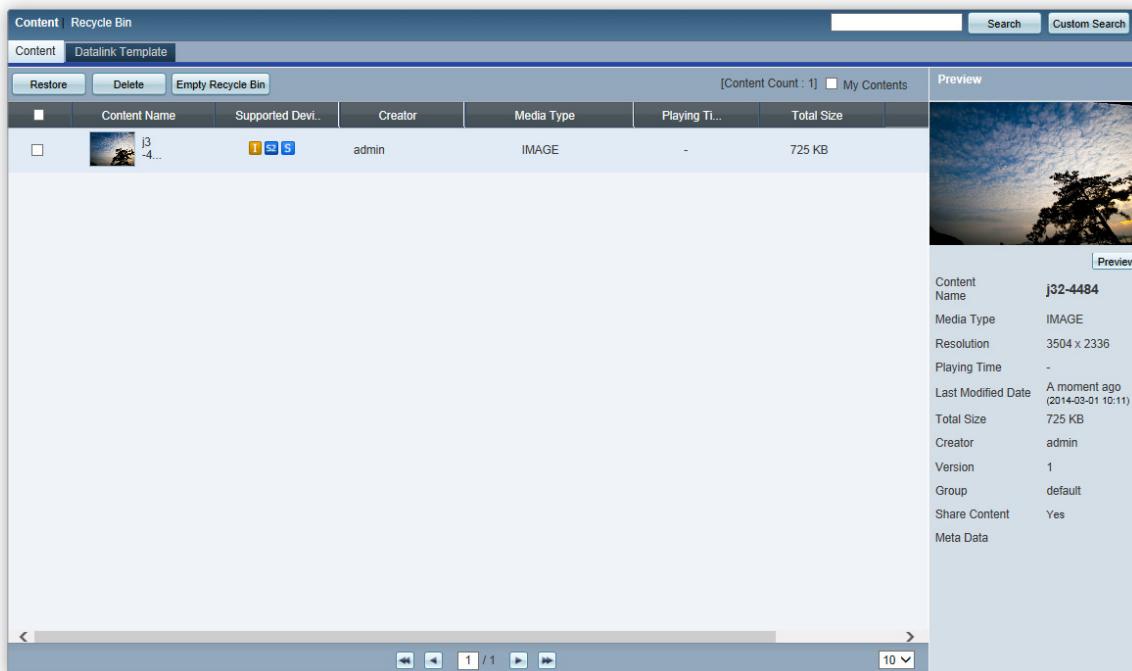
Search management buttons

- : Repeat a search with the selected search criteria.
- : Delete the selected search criteria.
- : Save the selected search criteria.

Recycle Bin

Deleted content files (not permanently) are kept in Recycle Bin. These content files can be restored or permanently deleted.

To view content files in Recycle Bin, click **Recycle Bin**.



The screenshot shows the 'Content - Recycle Bin' interface. At the top, there are buttons for 'Restore', 'Delete', and 'Empty Recycle Bin'. The main area displays a table with columns: Content Name, Supported Devi., Creator, Media Type, Playing Ti..., and Total Size. A single row is selected, showing 'Content Name: j32-4484', 'Media Type: IMAGE', 'Creator: admin', and 'Total Size: 725 KB'. To the right of the table is a 'Preview' section showing a thumbnail of the image and its details: Content Name (j32-4484), Media Type (IMAGE), Resolution (3504 x 2336), Playing Time (-), Last Modified Date (A moment ago (2014-03-01 10:11)), Total Size (725 KB), Creator (admin), Version (1), Group (default), Share Content (Yes), and Meta Data. At the bottom of the preview section is a 'Preview' button.

- Click **Restore** to restore the selected content file to the **default** group.
- Click **Delete** to delete the selected content file permanently.
- Click **Empty Recycle Bin** to delete all content files in Recycle Bin permanently.

Note

Refer to the following for further details on deleting content. [▶ Deleting a content file](#)

Viewing logs

View logs of all content file events on MagicInfo Server.

To view a list of logs, click **Log**.

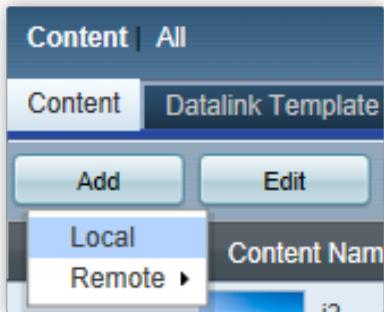
- Specify the date and time. Next, click **View** to retrieve event logs within the specified period.
- Click **View All** to retrieve all content file event logs.
- Click **Export** to export a retrieved log as an Excel or PDF file.

Content Registration

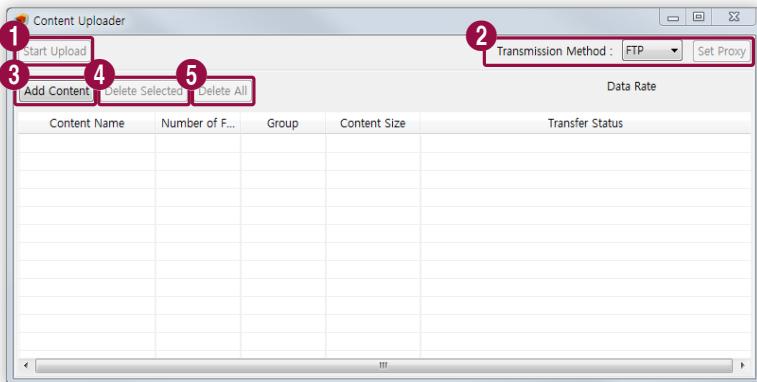
Adding local content files

Add general media files saved on your computer.

- 1 Select a group under your account in **My Contents** or **By User**. Next, click **Content > Add > Local**.



- 2 Click **Add Content**. Next, select a file to upload and click **Open**. The selected file is added to the upload list.



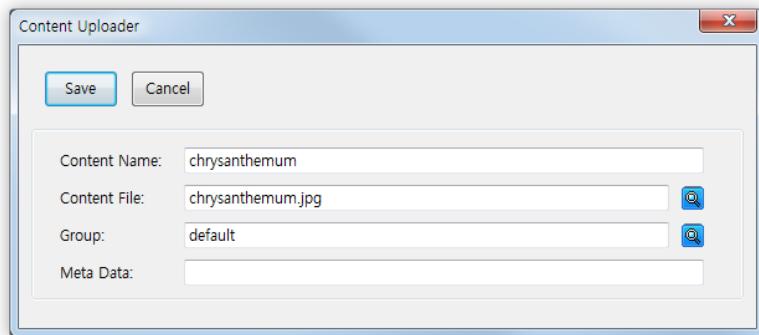
- 1 Upload content files on the upload list to the server.
- 2 Specify the file transfer mode (HTTP or FTP).
- 3 Configure the proxy settings if HTTP is selected as file transfer mode.
- 4 Add a content file on the computer to the upload list.
- 5 Delete the selected content file from the upload list.
- 6 Delete all content files from the upload list.

- 3 Double-click a content file on the upload list to configure basic information of the file.
- 4 Click **Start Upload**. The content file has been added.

Entering basic content file information

Double-click a content file on the list displayed on the file uploader window to enter basic file information.

Entered information can be edited after uploading the content file.

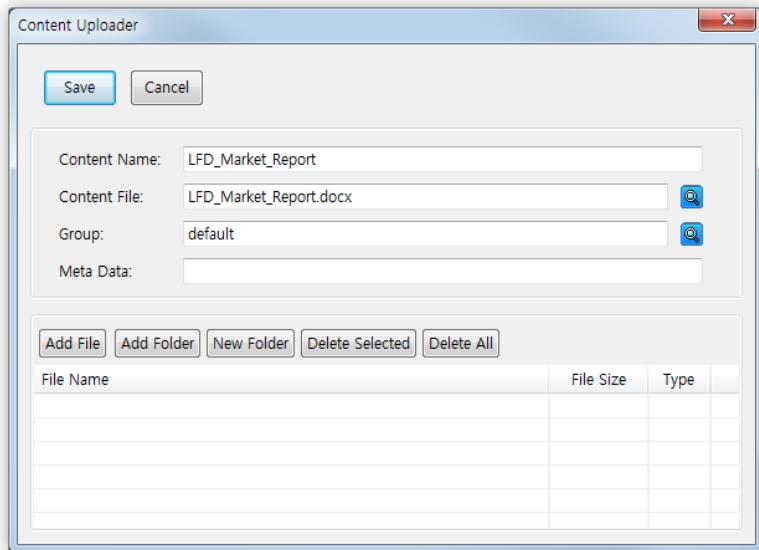


Content Name	Enter a content file name.
Content File	Click  to select a different content file.
Group	Click  to select a group for the selected content file. Content files are added to the default group if no group is assigned.
Meta Data	Enter meta information for a content file.

Adding multiple content files

Add a content file comprising multiple files and sub-folders using the following steps.

- 1 Add a main file (document or Flash) to the upload list.
- 2 Double-click the main file added to the upload list.



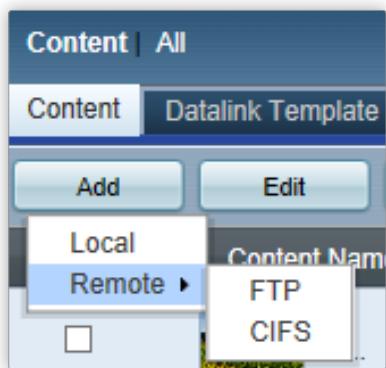
- 3 Add sub-files and sub-folders. Next, click **Save**. Multiple content files have been added.

Adding content files from a remote location

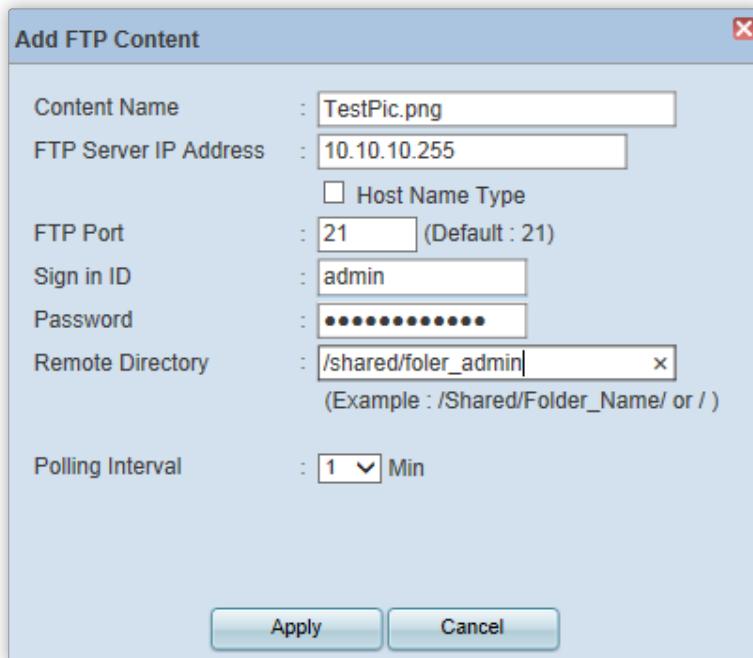
Add content files saved on a computer in a remote location. When a content file is added from a remote location, MagicInfo Server communicates with the source computer regularly to update the added content file.

Adding content files in FTP mode

- 1 Select a group under your account in **My Contents** or **By User**. Next, click **Content > Add > Remote > FTP**.



- 2 Specify the FTP server to import a content file from.

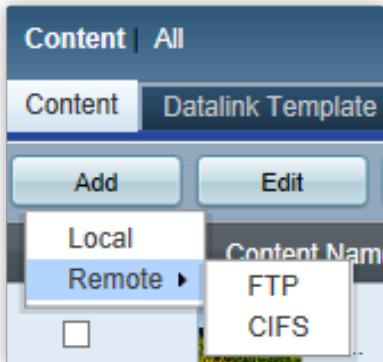


Content Name	Enter the FTP content file name.
FTP Server IP Address	Enter the IP address of the FTP server to import a content file from. To use host name input mode, select the Host Name Type checkbox and enter the host name of the FTP server.
FTP Port	Enter the port address of the FTP server to import a content file from.
Login ID	Enter the ID used to connect to the FTP server.
Password	Enter the password used to connect to the FTP server.
Remote Directory	Enter the location of the FTP folder where the content file is located.
Polling Interval	Set the interval to download data from the remote directory.

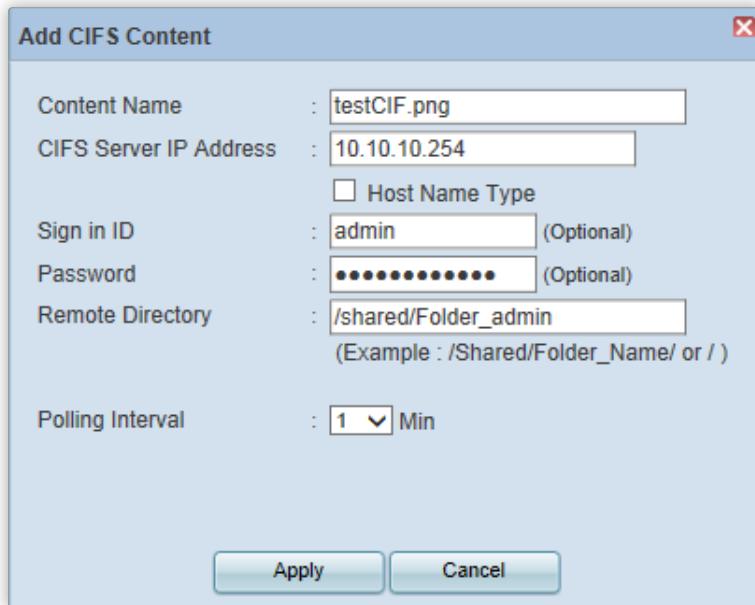
3 After configuring the required settings, click **Apply**. The content file has been added.

Adding content files in CIFS mode

1 Select a group under your account in **My Contents** or **By User**. Next, click **Content > Add > Remote > CIFS**.



2 Specify the CIFS server to import a content file from.



Content Name	Enter the CIFS content file name.
CIFS Server IP Address	Enter the IP address of the CIFS server to import a content file from. To use host name input mode, select the Host Name Type checkbox and enter the host name of the CIFS server.
Login ID	Enter the ID used to connect to the CIFS server.
Password	Enter the password used to connect to the CIFS server.
Remote Directory	Enter the location of the CIFS folder where the content file is located.
Polling Interval	Set the interval to download data from the remote directory.

3 After configuring the required settings, click **Apply**. The content file has been added.

CIFS

Common Internet File System (CIFS) is a standard protocol that requests a file or service on a computer from a remote location over the internet. In the client-server model, the client initiates a file access or program message transfer request to the server of another computer. The server sends a response to the client for the request.

Making content

Using Web Author, conveniently make LFD content that can be played from the server.

Select a group under your account in **My Contents** or **By User**. Click **Content > Authoring**. Web Author will run.

Note

If Compatibility View is enabled in Internet Explorer, the content authoring feature is not available. Refer to the following for further details. [► Internet Explorer browser mode settings](#)



Feature icons used to make content are provided. Clicking an icon runs the corresponding function.

- : Create a new content file.
- : Import and edit previously created content.
- : Preview created content before saving it.
- : Save created content.
- : Undo the last command to revert back to the previous state.
- : Redo a command that has been undone.

Various element insert tool icons that can be used to construct content are provided. To add an element, drag the element to a desired location.

- **Text:** Add a text box and enter text.
- **Insert:** Insert content (photo, video, music or document) files saved on a computer.
- 2 ▪ **Shape:** Insert lines or figures (circles, triangles or squares).
- **Clock:** Add a digital clock to display the current time.
- **RSS:** Add an RSS widget to conveniently view update information about a website without the need to access it.
- **Background:** Customize the color or theme for the background image of a page.

Element edit tool icons that can be used to edit elements in a page are provided.

-  : Copy the selected element.
-  : Cut the selected element.
- 3 ▪  : Paste an element that has been copied or cut.
-  : Lock the selected element in place or unlock it. Locked elements cannot be moved or edited.
-  : Arrange several elements in a desired order.
-  : Align several elements in a desired alignment mode.

Configure properties of the element selected in the edit section.

4 Note

Displayed property items may vary depending on the selected element type.

Content items registered in the server are shown.

Dragging a content item from the content list to the edit section adds the content item to a page.

- Enter a content name in the search box to search for desired content.
- 5 ▪ To register content saved on the computer to the server, click **Upload**.

Note

Click  /  to open or close the content browser window.

Edit or preview elements added in a page.

- 6 ▪ To edit a page by zooming in or out on the page, drag the zoom in/out control bar.
- To display a page in full screen to fit the edit section, click .

View and manage content pages being created.

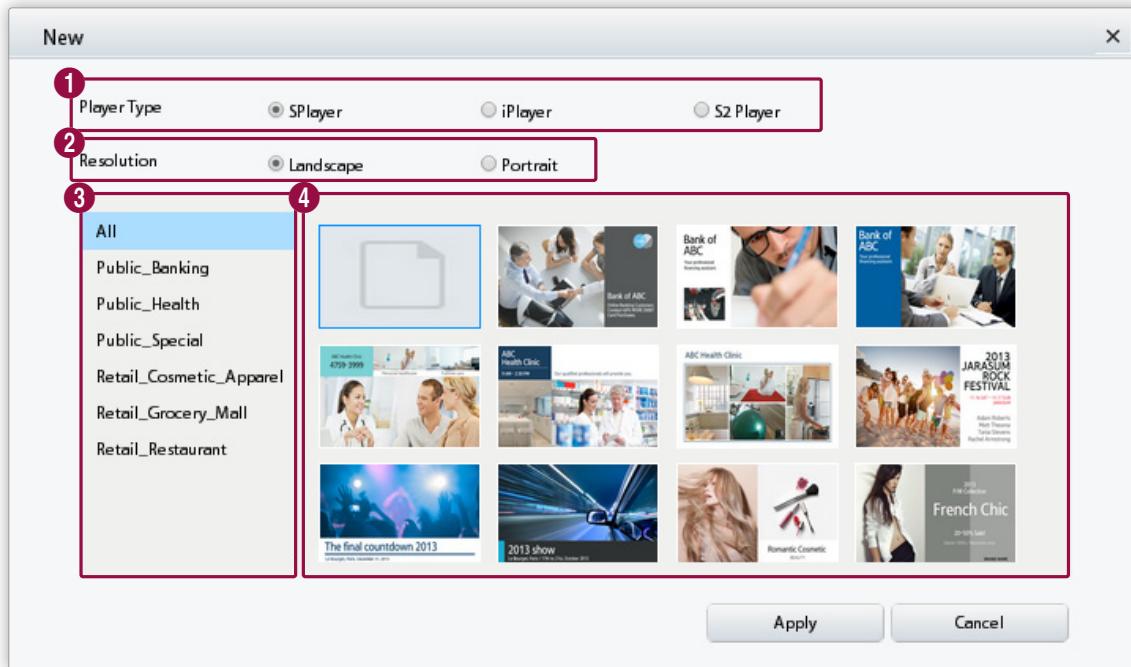
- To add a page to content, click .
- To specify the playback duration for a page, click  or manually enter a desired duration.
- 7 ▪ To change the playback sequence of a page, click and drag the page to a desired location.

Note

Click  /  to open or close the pageline window.

Creating new content

- 1 Click .
- 2 Configure the required settings, and then click **Apply**. A new page with the selected template applied will be created.



- 1 Select a device type that will play content.
- 2 Select a resolution for the content that will be created.
- 3 Select a tab to access default templates provided in Web Author.
- 4 View thumbnails of templates found for the selected device type, tab and resolution.

Adding elements

Construct content using a variety of elements.

Select an element from the element insert tools and then drag the element to a desired location in the content page.

Text	<p>Add a text box and enter text.</p> <p>Drag to create a text box in a desired location. Double-click the text box to enter text.</p>
Insert	<p>Add content (photo, video, music or document) files saved on a computer.</p> <p> Note</p> <p>No tool will appear on the page when a music element is added. If a music element is added more than once, the last element will only be inserted.</p>
Shape	Insert lines or figures (circles, triangles or squares).
Clock	Add a digital clock to display the current time.
RSS	<p>Add an RSS widget to conveniently view update information about a website without the need to access it.</p> <ul style="list-style-type: none"> ▪ URL: Enter the URL of a website that provides an RSS service. ▪ Display Options: Select RSS information items that will be displayed during playback. ▪ refresh Cycle: Specify the cycle to update RSS information. ▪ Display Cycle: Specify the cycle to display RSS information.
Background	<p>Set an image registered on the server as background image.</p> <ul style="list-style-type: none"> ▪ To specify the background color for the page, select a color from the Color dropdown list. ▪ To register image files saved on the computer to the server, click Upload.

Editing elements

Right-click on an element in a page and edit the alignment or arrangement setting, if required.

Note

- Displayed setting items may vary depending on the selected element type.
- Some options can also be edited using the element edit tools at the top left.

Change File	Replace a file with another file of the same format. This menu item only appears when a media content file is selected.
Insert File	Add more than one element of the same type in a single location. This menu item only appears when a media content file is selected. To view a list of added files or change the playback sequence, select a desired element and then click  .
Cut	Cut the selected element.
Copy	Copy the selected element.
Paste	Paste an element that has been copied or cut.
Lock	Lock the selected element in place or unlock it. Locked elements cannot be moved or edited.
Delete	Delete the selected element.
Order	Change the arrangement order of the selected element.

Configuring element properties

Select an element in a page and then configure the element properties using the property edit tools at the top of the edit section.

Note

- Displayed setting items may vary depending on the selected element type.
- In/out effects are provided for all elements.

Text	Specify the paragraph alignment mode. Configure text properties such as the font and color. Specify the text scroll direction and speed.
Photo	Configure crop, transparency and lock settings.
Video	Configure the volume and repeated playback options.
Line/Figure	Specify the line type, thickness, color and transparency.
Digital Clock	Specify the text font used to display the time. Configure the time display mode.
RSS	Specify the text font and scroll direction/speed used to display RSS information.

Modifying elements

Drag an element using the mouse to change the shape as desired.

Note

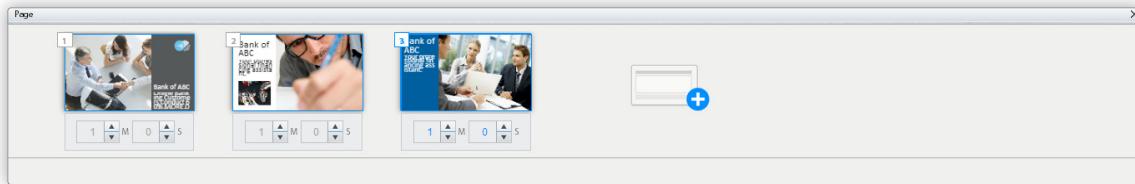
Select several elements to modify them into the same shape simultaneously, if required.



- To move an element, drag the element to a desired location.
- To resize an element, select the element and then drag the squares on the edge of the element.
- To rotate an element, select the element and then drag the rotation axis in a desired direction. The rotation axis appears for photo, text, digital clock, line and figure elements only.

Managing pages

The pageline shows pages added in content as thumbnails.



- To add a new page to content, click from the pageline.
- To specify the playback duration for a page, click or manually enter a desired duration.
- To change the playback sequence of a page, drag the page to a desired location.

Editing pages

Right-click on a page from the list of pages and conveniently manage the page.

Cut	Cut the selected page.
Copy	Copy the selected page.
Paste	Paste a page that has been copied or cut.
Delete	Delete the selected page.

Saving content

Save created content.

Click and then save the content using a desired saving mode.

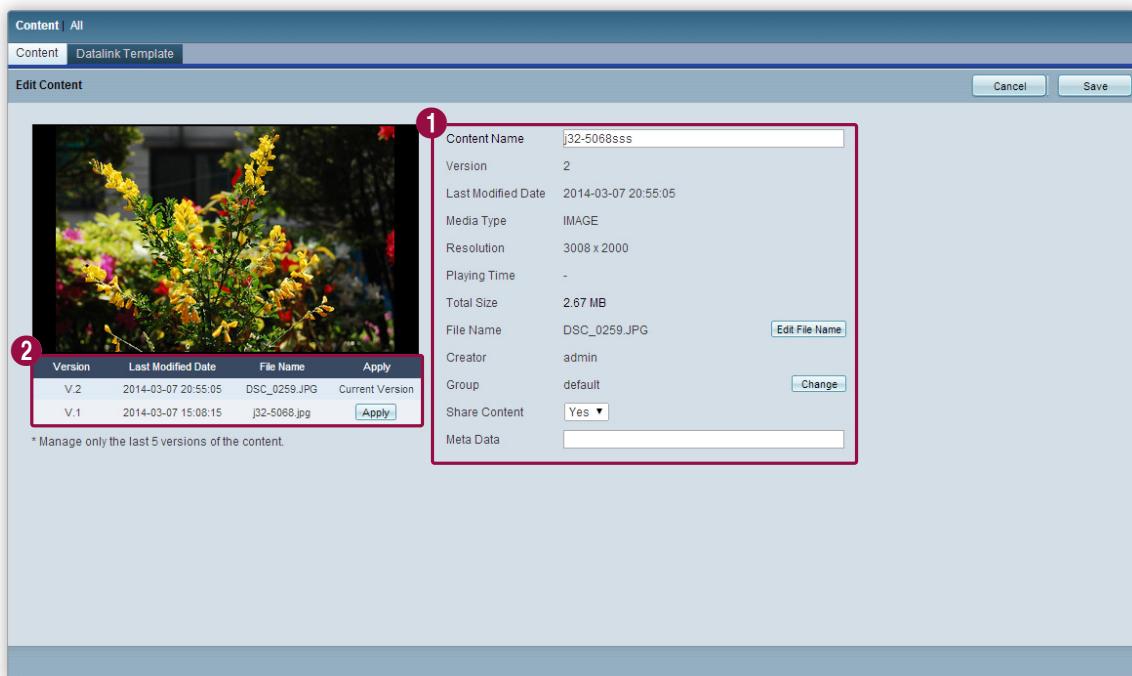
- To preview content before saving, click .
- Saved content will automatically be added to the content list on the server.

Managing content

Editing a content file

Select a content file and click **Edit** to open the content file edit page. View and edit content file information.

Click **Save** to update changes.



- 1 Change the content file name, element, group, sharing mode and meta information.
- 2 View version information from the content file edit page. Click **Apply** next to a version to convert the file to be compatible with the version. File versions can be used to conveniently manage content files.

Version

Changing sub-files of a content file will update the content file version. Up to five versions are saved. Old versions are deleted in order when more versions are saved. It is possible to change the maximum number of saved versions using the file "/conf/config.properties" in the MagicInfo Server installation path on the server. To apply changed settings (e.g., content.version_limit_count = 5), make sure to restart the server.

Deleting a content file

Delete content files from a list of content files if required.

- Select a content file and click **To Trashbox**. The content file is moved to **Recycle Bin**. Files in **Recycle Bin** can be restored and used again.
- Select **More > Delete All** to move all content files on the list to **Recycle Bin**.
- Select a content file and click **Delete Permanently** to delete the file from the server permanently. Permanently deleted content files cannot be restored.

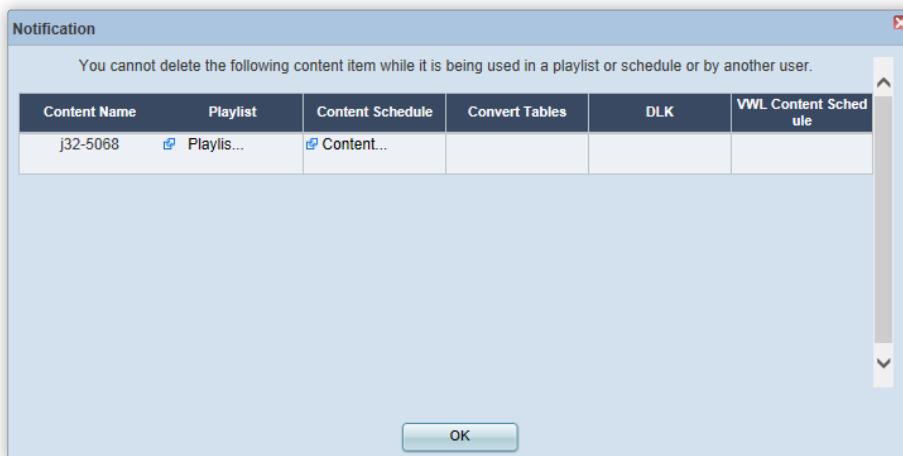
Viewing details of a content file in use

A confirmation window appears when deleting a content file in use by another user or a content file included in a playlist or schedule.

Click  next to the desired item to view playlists or schedules containing the corresponding content file.

Deleting a content file in use

To delete a content file in use by another user or a content file included in a playlist or schedule, the playlist or schedule containing the file should be edited first.



- 1 Click the desired item name from the delete confirmation window.
- 2 Edit the playlist or schedule that contains the content file you want to delete. Then, delete the content file.

Changing content file groups

Change the group of a content file from a list of content files using one of the following methods. It is only possible to change the groups for content files added under your own account.

- Click a content file. Change the group from the preview page.
- Select a content file and click **Edit**. Change the group from the content file edit page.
- Select a content file and click **More > Change Group**. A page appears where a group can be changed.

Exporting a list of content files

Select **More > Export** from a list of content files. Export the list of content files as an Excel or PDF file.

Downloading content files

Download content files to your computer using one of the following methods.

- Click a content file from a list of content files. Click **Download** on the preview page. Download the file using the displayed download window.
- Select a content file and click **More > Download**. Download the file using the displayed download window.

Adding/deleting content files in a playlist

Adding content files to a playlist

To add a content file to a playlist, select a file from a list of content files. Next, click **More > Add to Playlist**.

Deleting content files from a playlist

To delete a content file from a playlist, select a file from a list of content files. Next, click **More > Delete To Playlist**.

Previewing content files

Click a file from a list of content files to preview the file.

Content Name	j32-4632
Media Type	IMAGE
Resolution	2336 x 3504
Playing Time	-
Last Modified Date	about 1 hour ago (2014-03-01 08:43)
Total Size	879 KB
Creator	admin
Version	1
Group	default Change
Share Content	Yes
Meta Data	Change

- Click **Download** to download the selected content file to your computer.
- Click **Edit** to edit the selected content file information.
- Click **Preview** to play the selected content file on the server without distributing it to a device.
- Change details in **Group** and **Meta Data** if required.

DataLink template

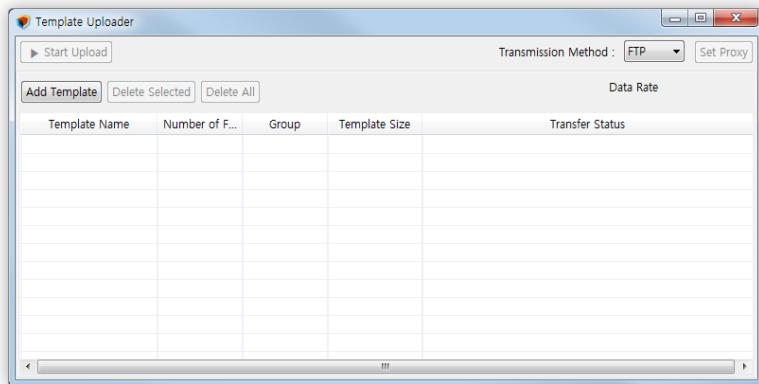
A DataLink template is a template created using MagicInfo Author to be used for DataLink. This template can be used to create dynamic content files containing elements that change in real-time. It is possible to map files to a template. Files that can be mapped include general media content files added to MagicInfo Server and external data collected on the DataLink server.

DataLink

DataLink is a web-based application that collects external data at a specified interval and sends data to MagicInfo Player to be used to play dynamic content files. Refer to the MagicInfo DataLink user guide for further details on DataLink.

Adding a template

- 1 Select a group under your account in **My Contents** or **By User**. Next, click **DataLink Template > Add**. The template uploader window is displayed.

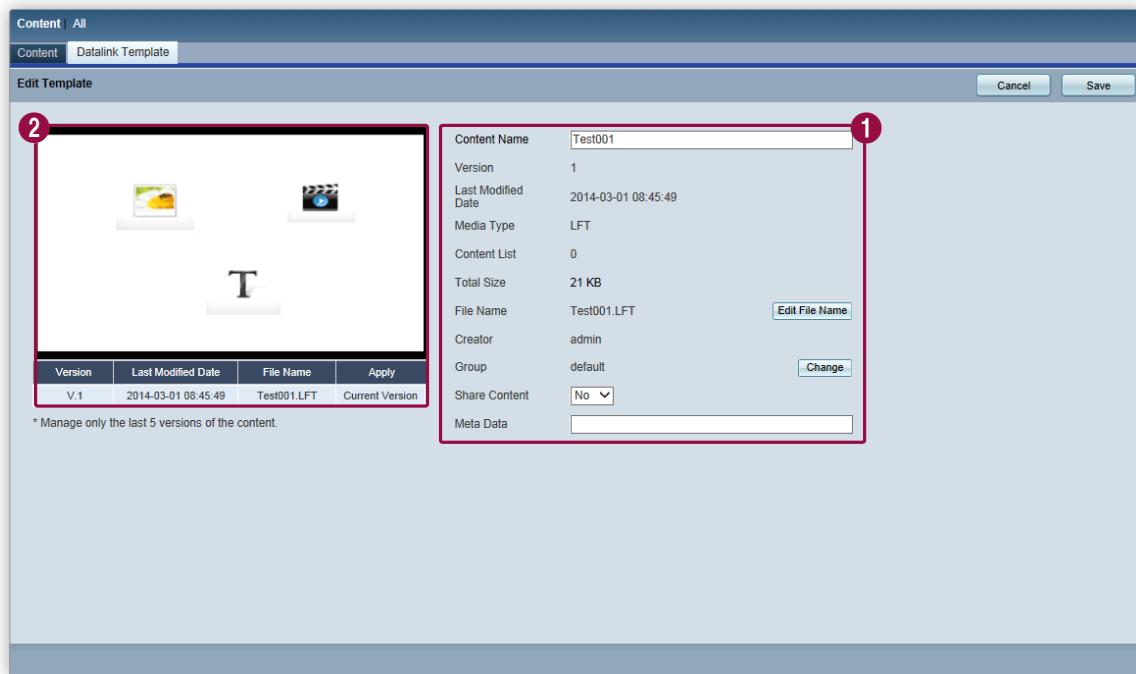


- 2 Click **Add Template** to select a file to upload. Next, click **Open**. The selected file is added to the upload list.
- 3 Double-click a file from the upload list to configure basic information about the template.
- 4 Click **Start Upload**. The template has been added.

Editing a template

Select a template and click **Edit** to open the template edit page. View and edit the template information.

Click **Save** to update changes.



① Change the template name, element, group, sharing mode and meta information.

Changing sub-files of a template will update the template version.

② View version information from the template edit page. Click **Apply** next to a version to convert the file to be compatible with the version. File versions can be used to conveniently manage template files.

Deleting a template

Delete a template from a list of templates if required.

- Select a template and click **To Trashbox**. The template is moved to **Recycle Bin**. Templates in **Recycle Bin** can be restored and used again.
- Select **More > Delete All** to move all templates on the list to **Recycle Bin**.
- Select a template and click **Delete Permanently** to delete the template from the server permanently. Permanently deleted templates cannot be restored.

! **It is not possible to delete a DataLink template in the following cases.**

- The template to delete is being used by another user.
- A DLK content file created using the template to delete is saved on the server.
- A DLK content file created using the template to delete remains in Recycle Bin.
- A DLK content file created using the template to delete is assigned to a playlist or schedule.
- A playlist or schedule containing a DLK content file created using the template to delete remains in Recycle Bin.

Changing template groups

Change the group of a template from a list of templates using one of the following methods. It is only possible to change the groups for templates added under your own account.

- Click a template. Change the group from the preview page.
- Select a template and click **Edit**. Change the group from the template edit page.
- Select a template and click **More > Change Group**. A page appears where a group can be changed.

Downloading templates

Download a template to your computer using one of the following methods.

- Click a template from a list of templates. Click **Download** on the preview page. Download the file using the displayed download window.
- Select a template from a list of templates and click **More > Download**. Download the file using the displayed download window.

Previewing templates

Click a template from a list of templates to preview the template.



Template Name	Test001
Page Count	2
Used Template	N
Content List	0
Last Modified Date	about 1 hour ago (2014-03-01 08:45)
Total Size	21 KB
Creator	admin
Version	1
Group	default Change
Share Content	No
Meta Data	Change
Device Type	Version 1.0

- Click **Download** to download the selected template to your computer.
- Click **Create DLK** to create a DLK content file to distribute to MagicInfo Player using the selected template.
- Click **Preview** to play the selected template on the server without distributing it to a device.
- Change details in **Group** and **Meta Data** if required.

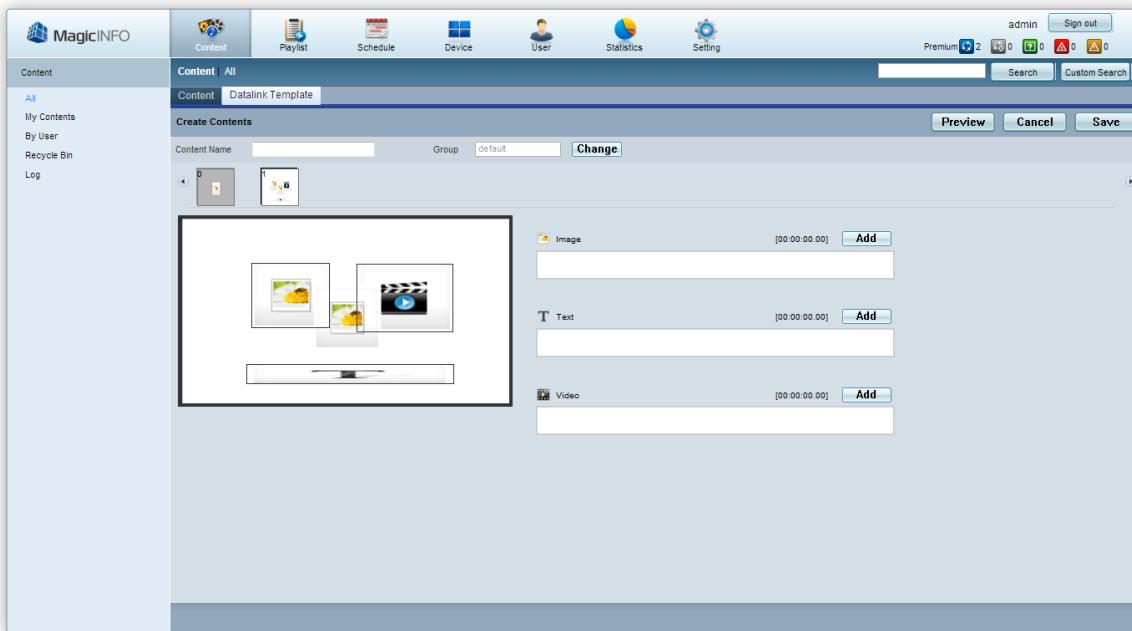
Creating DLK content file

Using a DataLink template, create a content file to distribute to MagicInfo Player. A DLK content file can be mapped to data on a DataLink server. This can be done using a content file saved on the server or by manually entering text.

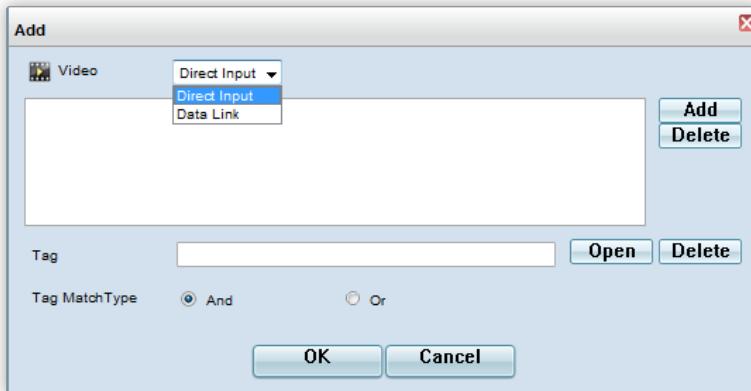
To create a DLK content file, select a template from the list and click **Create DLK**.

Creating a DLK file using a content file saved in MagicInfo Server

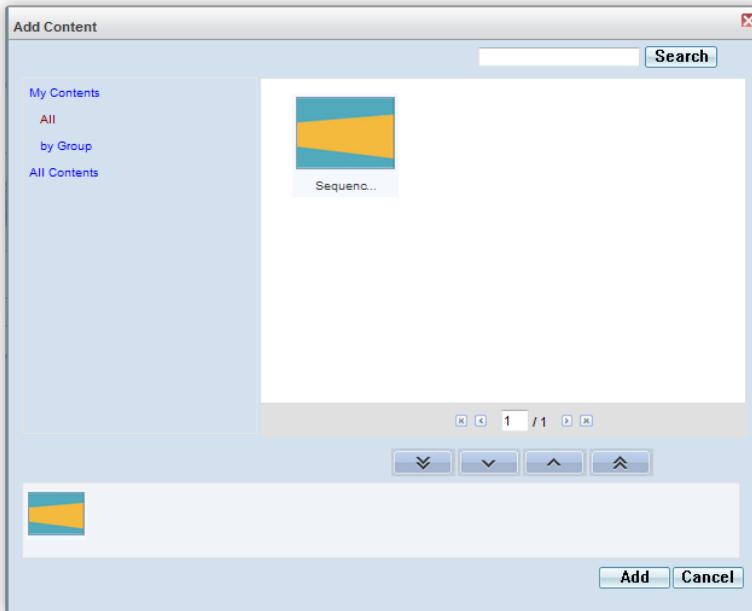
- 1 From the DLK content file creation page, click **Add** for the element that will be used to map a content file.



- 2 Select **Direct Input** and click **Add**.



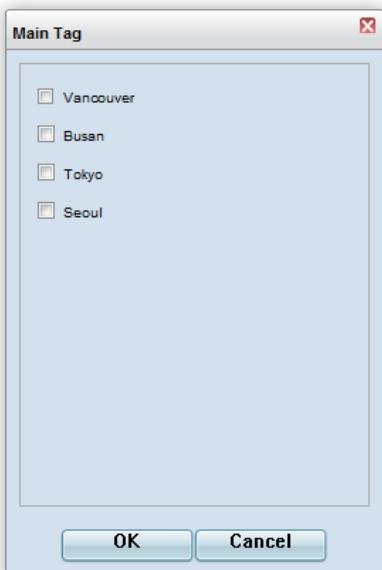
3 Double-click a content file that will be mapped to the selected element. Alternatively, add the selected content file to the list of files to add by using . After selecting a content file, click **Add**.



Note

- It is possible to add multiple content items to the selected element.
- To change the order of a content item that has been added, drag the content item.
- To sequentially play content items added to the selected element, configure the Data Transition Cycle settings when creating LFT. Refer to the MagicInfo Author user guide for further details on creating an LFT.

4 Add tags to a content file if required. Click **Open** to display a list of available tags. Select a tag and click **OK**.



Note

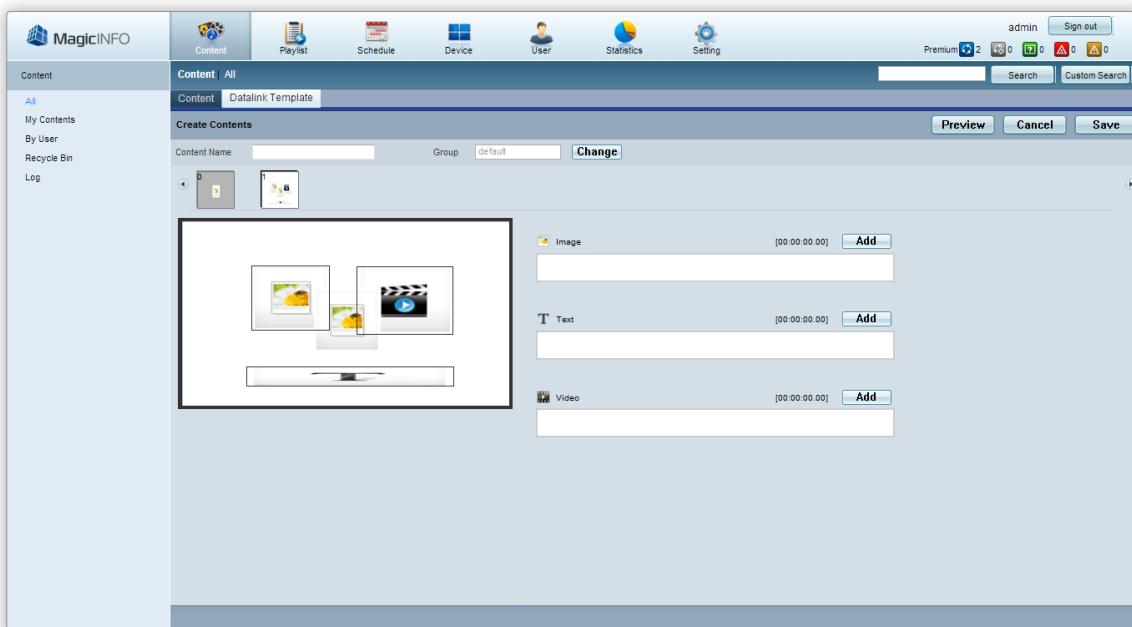
- A content file with a tag plays only on a device that has the same tag.
- To assign a tag to a content file, first make sure the tag is saved on the MagicInfo Server. Refer to the following for further details on adding tags. [▶ Adding a tag](#)
- Refer to the following for further details on using tags. [▶ DLK tags](#)

5 Click **OK** when content file mapping to the element is complete.

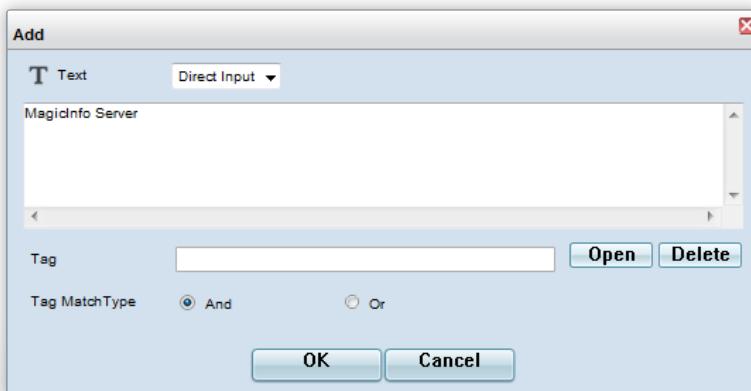
Creating a DLK file by manually entering text

Create a DLK content file by manually entering text.

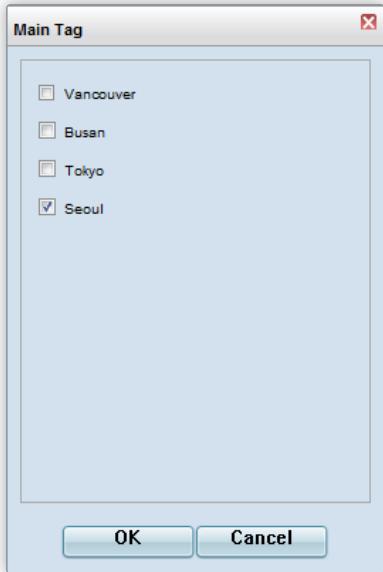
1 From the DLK content file creation page, click **Add** for the text element.



2 Select **Direct Input** and enter the text.



3 Add a tag to the text, if required. Click **Open** to display a list of available tags. Select a tag and click **OK**.



4 Click **OK** when text has been entered.

Note

- A content file with a tag plays only on a device that has the same tag.
- To assign a tag to text, first make sure the tag is saved on the MagicInfo Server. Refer to the following for further details on adding tags. [▶ Adding a tag](#)
- Refer to the following for further details on using tags. [▶ DLK tags](#)

Creating a DLK file in conjunction with DataLink

Create a DLK content file by mapping data, saved in DataLink Server, to a DLK template.

Creating a DLK file in conjunction with DataLink

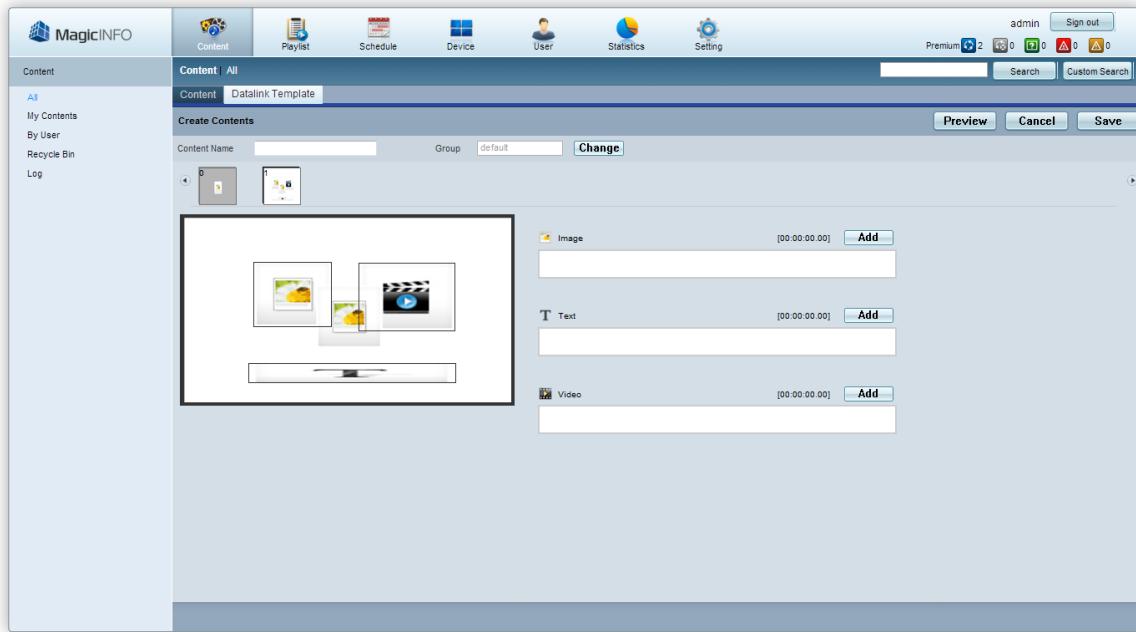
To create a DLK content file in conjunction with DataLink, make sure to connect MagicInfo Server to DataLink. Refer to the following for further details. [▶ DataLink server management](#)

Media slide elements

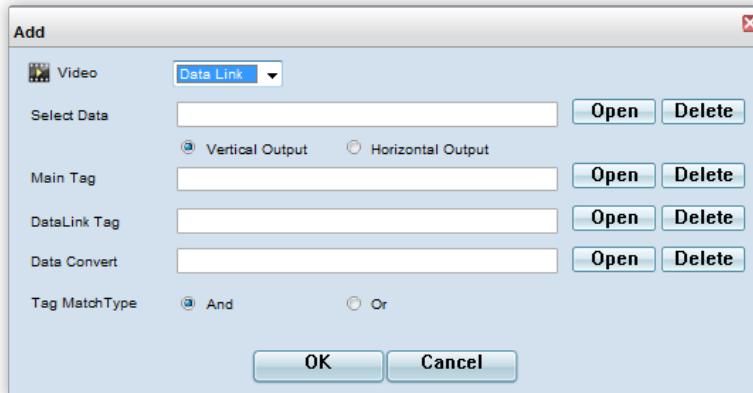
It is not possible to map DataLink data to media slide elements.

A DataLink license is required to use the DataLink function. To add a license, click the **Configure** tab > **License Info**.

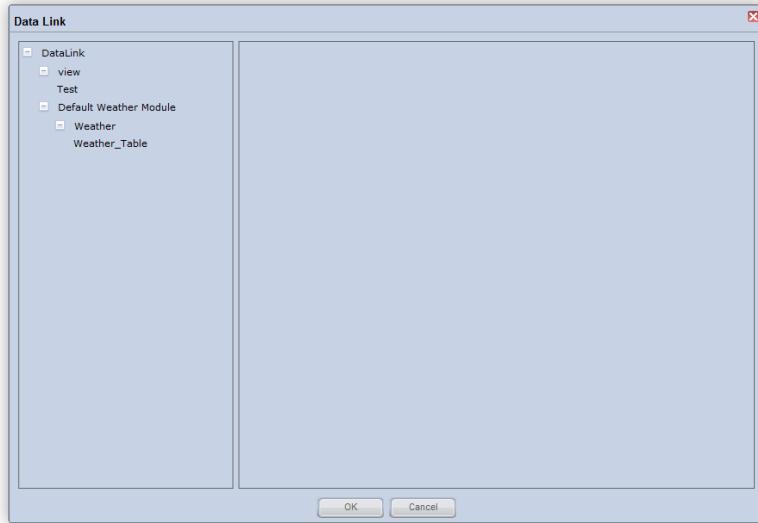
1 From the DLK content file creation page, click **Add** for the element that will be used to map DataLink Server data.



2 Select **DataLink** and click **Open** for **Select Data**.



3 Select a DataLink table saved in DataLink.

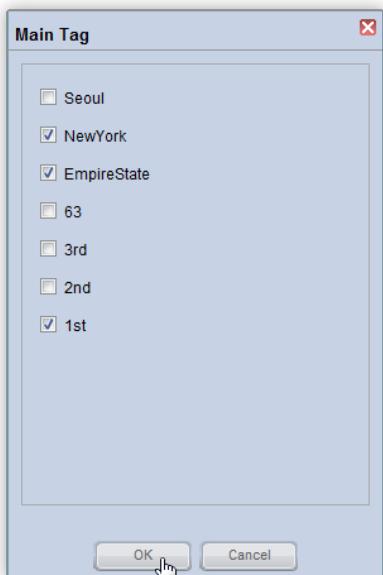


4 Drag the data you want to use from the DataLink table and click **OK**. To use all data in the table, click **OK** without selecting any data.

IDX	DL_TITLE	DL_CITY	DL_REGI ON	DL_COU NTRY	DL_TEMP ERATURE _UNITS	DL_DISTA NCE_UNI TS	DL_SPEE D_UNITS	DL_C1
1	Yahoo! Weather - Seoul; KR	Seoul		South Korea	F	mi	mph	
2	Yahoo! Weather - New York; NY	New York	NY	United States	F	mi	mph	
3	Yahoo! Weather - Los Angeles; CA	Los Angeles	CA	United States	F	mi	mph	
4	Yahoo! Weather - Tokyo; JP	Tokyo		Japan	F	mi	mph	
5	Yahoo! Weather - Beijing; CN	Beijing		China	F	mi	mph	
6	Yahoo! Weather - Shanghai; CN	Shanghai		China	F	mi	mph	

5 Specify the order (**Vertical Output** or **Horizontal Output**) to display the selected data on MagicInfo Player.

6 Add tags to the data items, if required. Click **Open** to display a list of available tags. Select a tag and click **OK**.



Note

- A content file with a tag plays only on a device that has the same tag.
- To assign tags to data items, first make sure the tags are saved on the MagicInfo Server. Refer to the following for further details on adding tags. [► Adding a tag](#)
- Refer to the following for further details on using tags. [► DLK tags](#)

7 Select a column from the DataLink table and add a DataLink Tag to the column, if required. To use a DataLink Tag, click **Open** from **DataLink Tag**.

IDX	DL_TITLE	DL_CITY	DL_REGI ON	DL_COU NTRY	DL_TEMP ERATURE _UNITS	DL_DISTA NCE_UNI TS	DL_SPEE D_UNITS	DL_DIF FCTION
1	Yahoo! Weather - Seoul; KR	Seoul		South Korea	F	mi	mph	310
2	Yahoo! Weather - New York; NY	New York	NY	United States	F	mi	mph	0
3	Yahoo! Weather - Los Angeles; CA	Los Angeles	CA	United States	F	mi	mph	0
4	Yahoo! Weather - Tokyo; JP	Tokyo		Japan	F	mi	mph	120

8 Select a column from the DataLink table and click **OK**.

9 Select a tag from the tags list and click **OK**.

10 Using a data substitution table, replace any data in the DataLink table with text, images or videos. Click **Open** for data substitution.



11 Select a substitution table and click **OK**.

12 Click **OK**. A DLK content file has been created.

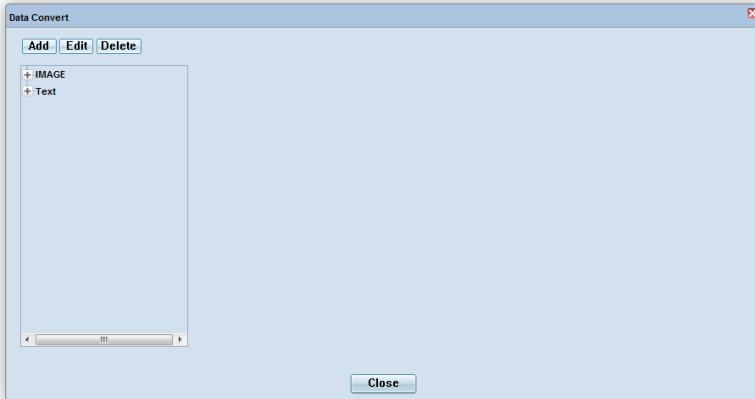
Data substitution

Refer to the following for further details on data substitution. ► [Data substitution](#)

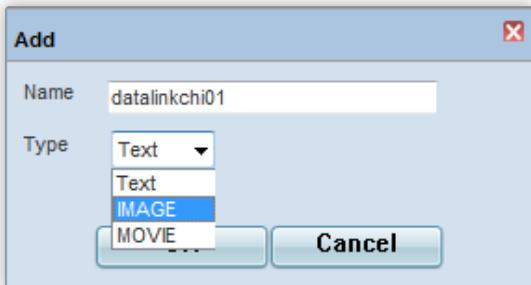
Data substitution

Replace entered text with special characters, images or videos through data substitution. For example, configure settings to replace text with an image and enter the name of a country. The national flag of the country will be displayed on MagicInfo Player when a content file is distributed.

- 1 Select a group under your account in **My Contents** or **By User**. Next, click **Datalink Template > More > Convert Data**.



- 2 Click **Add** to enter a data substitution table name and select a data substitution type. Click **Save** to create a data substitution table.



- 3 Click **Add** displayed after a substitution table is selected. The Add window appears.



- 4 From the Add window, enter text if the substitution target is text. Select a content file if the substitution target is an image or video.
- 5 Click **OK** to add the data value to the data substitution table.

Playlists

Playlist tab

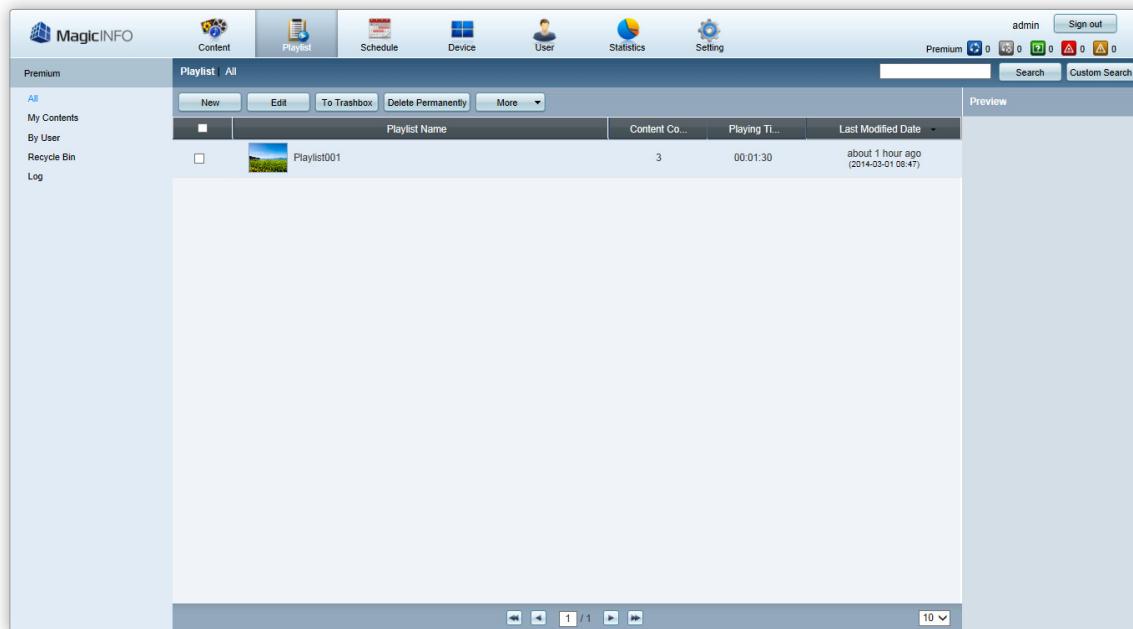
Create a playlist containing multiple files for playback in various modes. A playlist is read as a single content file. Playlists can be added to the server and managed. Categorize and manage playlists by user.

From the MagicInfo Server main page, select the **Playlist** tab.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the SaaS administrator page is used as an example to explain all functions.



Playlist Name	Content Co.	Playing Ti..	Last Modified Date
Playlist001	3	00:01:30	about 1 hour ago (2014-03-01 08:47)

Viewing Playlists

A playlist is read as a single content file. As a result, content file policies are also applicable to playlist policies.

Refer to the following for further details. [► Viewing Content](#)

Viewing UI connectivity of a playlist

Conveniently manage content files included in a playlist or schedules that contain a specific playlist.

To view the connectivity of a playlist, select a content file from the playlist.

Note

If you have created a playlist after connecting the MagicInfo Lite device to the server, click the **Lite** menu to check the UI connectivity of the MagicInfo Lite playlist.

Viewing content file details

View details of a content file included in a playlist.



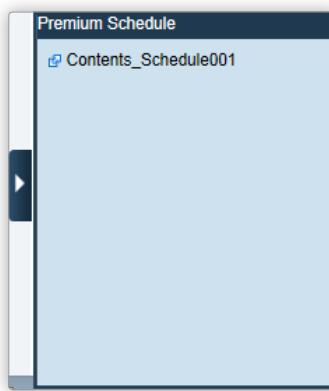
Name	Playlist00...
Last Modified Date	about 1 hour ago (2014-03-01 08:47)
Content Count	3
Playing Time	00:01:30
Total Size	3.31 MB
Creator	admin
Version	1
Group	default Change
Share Content	Yes
Meta Data	Change
Device Type Version	2.0

- 1 Click  /  in the Preview section to select a content file.
- 2 Click  to display the content file details.

Viewing schedule details

View details of a schedule that contains a specific playlist.

- 1 To view schedule details, select a playlist from the list of playlists and click .



- 2 Click  next to a schedule to display the schedule details.
 - Click a schedule name to edit the schedule, if required. For further details on editing a schedule, refer to the following: [► Editing a content file schedule](#)
- 3 If a schedule containing the selected playlist is moved to the recycle bin,  appears in front of the schedule name.
 - To view schedules in the recycle bin, click .

Searching for a playlist

	Search	Custom Search
--	--------	---------------

General search

Enter a keyword and click **Search**. Searched playlists are displayed. Search for a user within the search results.

Custom search

Click **Custom Search** to search playlists using a variety of criteria.

Search Conditions	Search Date	Search Manager
/ - / - / 001 /	2014-03-01	
/ admin / - / - /	2014-03-01	
/ - / 2014-02-01 ~ 2014-03-01 / - /	2014-03-01	

- Specify the group, creator, last modified date and keyword. Next, click **Search** to search playlists that match the conditions.
- Click **Save Search** to save the specified search criteria. To share the criteria with other users, enable the mode to share criteria.
- **Recent Search History** shows a list of recently used search criteria.
- **My Search** shows saved search information.
- **Shared Search** shows a list of shared search criteria.

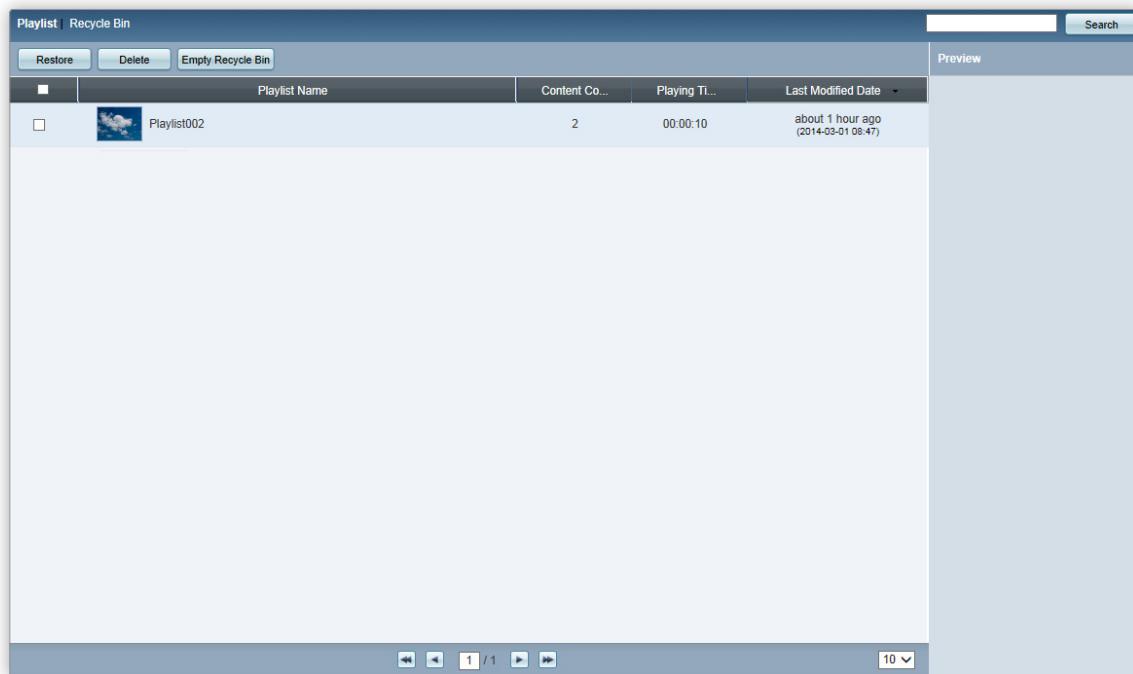
Search management buttons

- : Repeat a search with the selected search criteria.
- : Delete the selected search criteria.
- : Save the selected search criteria.

Recycle Bin

Deleted playlists (not permanently) are kept in Recycle Bin. There playlists can be restored or permanently deleted.

To view playlists in Recycle Bin, click **Recycle Bin**.



The screenshot shows a software interface titled 'Playlist Recycle Bin'. At the top, there are three buttons: 'Restore', 'Delete', and 'Empty Recycle Bin'. To the right of these buttons is a search bar with a 'Search' button. The main area is a table with the following columns: 'Content Co...', 'Playing Ti...', and 'Last Modified Date'. The table contains one row for 'Playlist002', which has a thumbnail image, a content count of '2', a playing time of '00:00:10', and a last modified date of 'about 1 hour ago (2014-03-01 08:47)'. On the right side of the table, there is a 'Preview' area which is currently empty. At the bottom of the interface are navigation buttons for the table and a page number '1 / 1'.

- Click **Restore** to restore the selected playlist to the default group.
- Click **Delete** to delete the selected playlist permanently.
- Click **Empty Recycle Bin** to delete all playlists in Recycle Bin permanently.

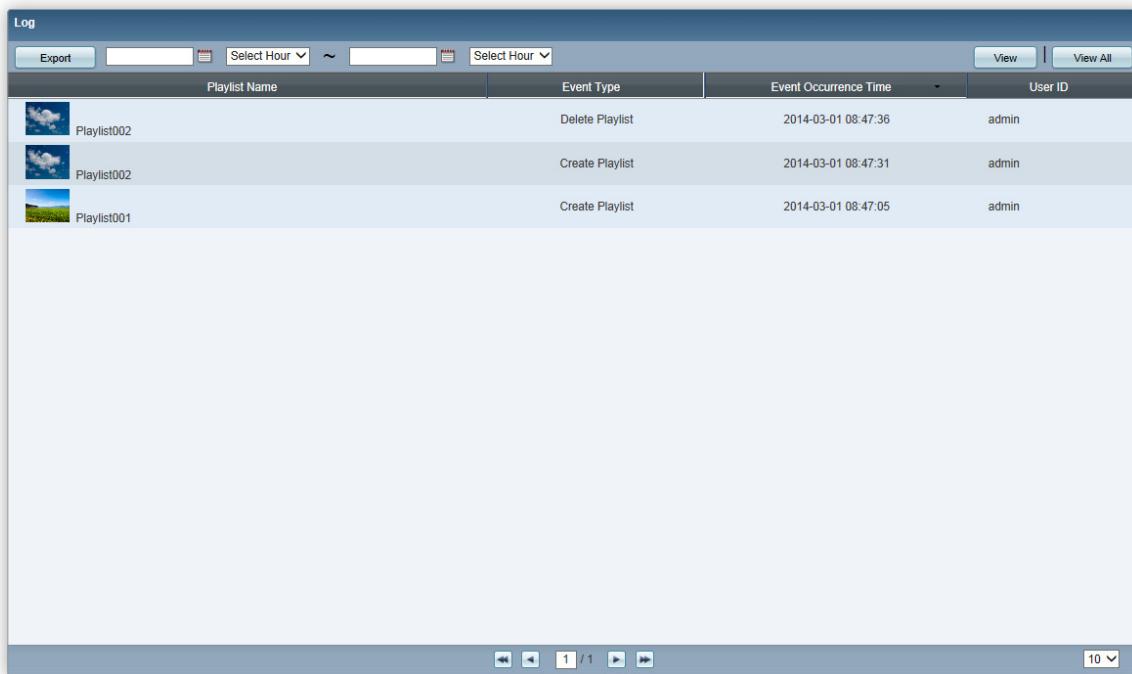
Note

Refer to the following for further details on deleting playlists. [► Deleting a playlist](#)

Viewing logs

View logs of all playlist events on MagicInfo Server.

To view a list of logs, click **Log**.



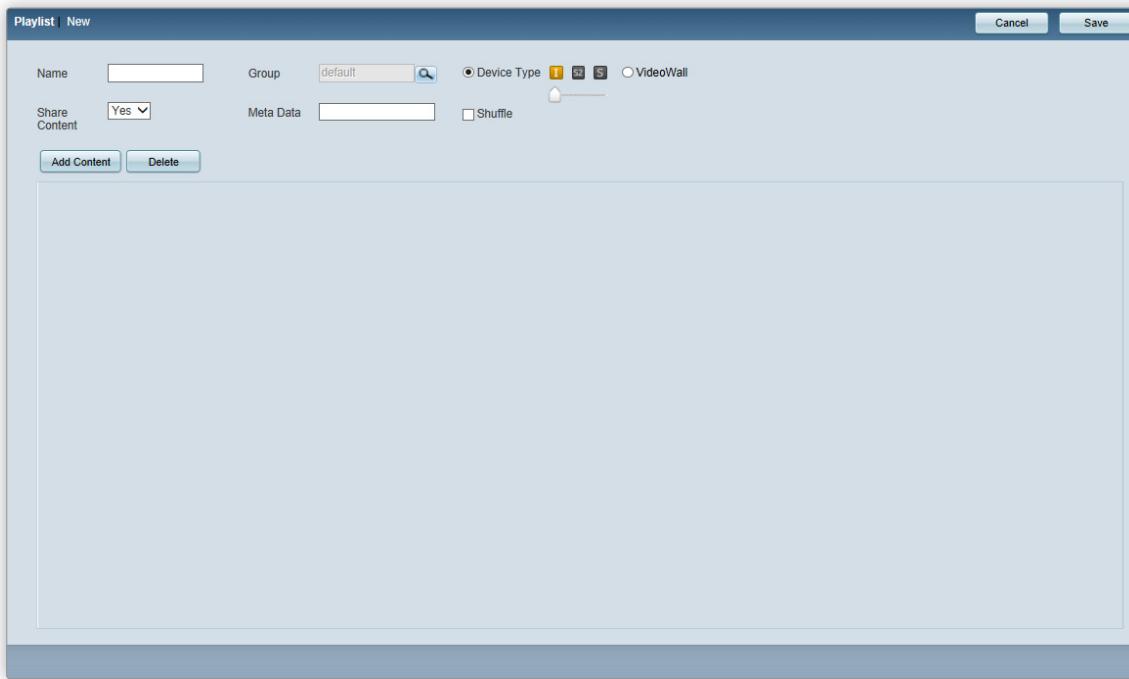
The screenshot shows a 'Log' interface with a table of event logs. The table has columns: Playlist Name, Event Type, Event Occurrence Time, and User ID. The data in the table is as follows:

Playlist Name	Event Type	Event Occurrence Time	User ID
Playlist002	Delete Playlist	2014-03-01 08:47:36	admin
Playlist002	Create Playlist	2014-03-01 08:47:31	admin
Playlist001	Create Playlist	2014-03-01 08:47:05	admin

- Specify the date and time. Next, click **View** to retrieve event logs within the specified period.
- Click **View All** to retrieve all playlist event logs.
- Click **Export** to export a retrieved log as an Excel or PDF file.

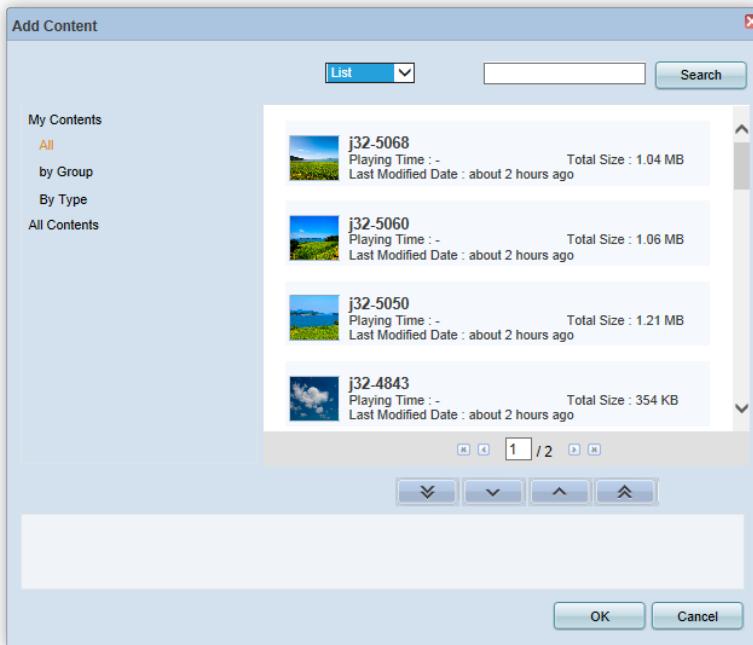
Creating a playlist

- 1 Click All > New. The playlist creation page appears.
- 2 Enter playlist information.



Name	Specify the playlist name.
Group	Click to select a group for a playlist. If a group is not selected, playlists are automatically added to the default group.
Device Type	<p>Specify the type of device that will play a playlist.</p> <p>To create a MagicInfo Player playlist, select Device Type and then drag to select a device type.</p> <ul style="list-style-type: none"> ▪ Select VideoWall if you want to create a playlist that will be used in a VideoWall device. <p> Note</p> <p>Refer to the following for further details on Layout Editor. ▶ Using videowall layouts</p>
Share Content	Enable or disable the mode to share a playlist.
Meta Data	Enter meta information of a playlist.
Shuffle	Enable or disable the mode to shuffle a playlist. If shuffle mode is enabled, the files on a playlist are played in random order.

3 Click **Add Content**. Add content files from the page displayed.



4 Select a content file using .

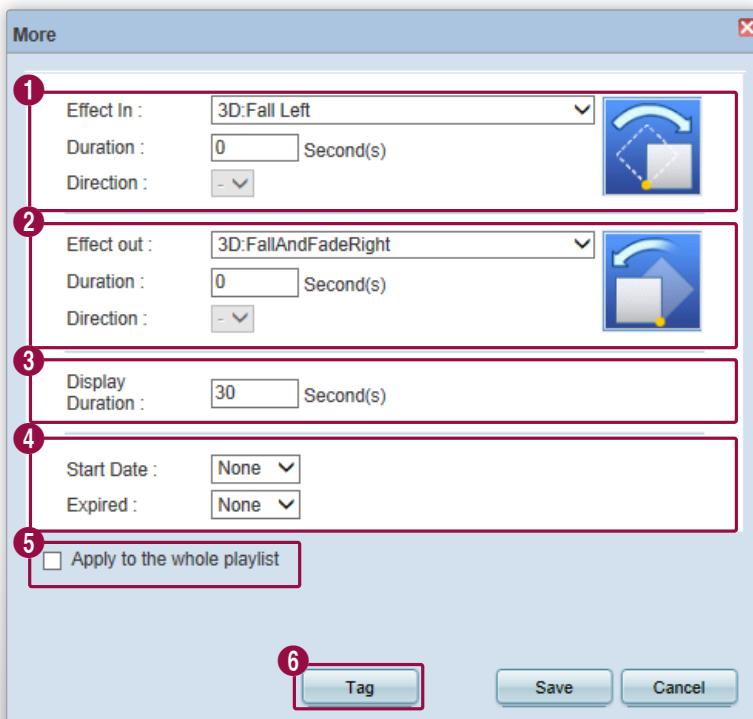
A single content file can be added multiple times. Enter a keyword in the search bar to search for particular content files.

5 Click **Add**. The content file has been added to the playlist.

Note

To upload content not registered on the server from your computer, click **Upload Content** and then upload desired content.

6 To insert effects to content, click .



Select an effect to apply when a content file playback starts on a playlist.

Specify the effect type, duration and direction.

1

Note

- Available effects may vary between a general playlist and a VideoWall playlist.
- For content in a VideoWall playlist, the start time delay and delay direction settings can also be configured.

Select an effect to apply when a content file playback finishes on a playlist.

Specify the effect type, duration and direction.

2

Note

- Available effects may vary between a general playlist and a VideoWall playlist.
- For content in a VideoWall playlist, the end time delay and delay direction settings can also be configured.

3

Specify the playback duration of a content file on a playlist.

4

Specify the dates to start and terminate content playback.

A content file with an expiration date cannot be played after the specified date.

5

Apply the current settings to all content files on a playlist.

6

Assign different tags to content files. This allows you to play content file on the device you want.

Refer to the following for further details on playlist tags.  [Playlist tags](#)

7 Click **Save**. A playlist has been created.

Managing content added in a playlist

Changing the content playback sequence

Drag and arrange content items in a desired order on the list.

Deleting a content file

Delete content from a playlist using one of the following options:

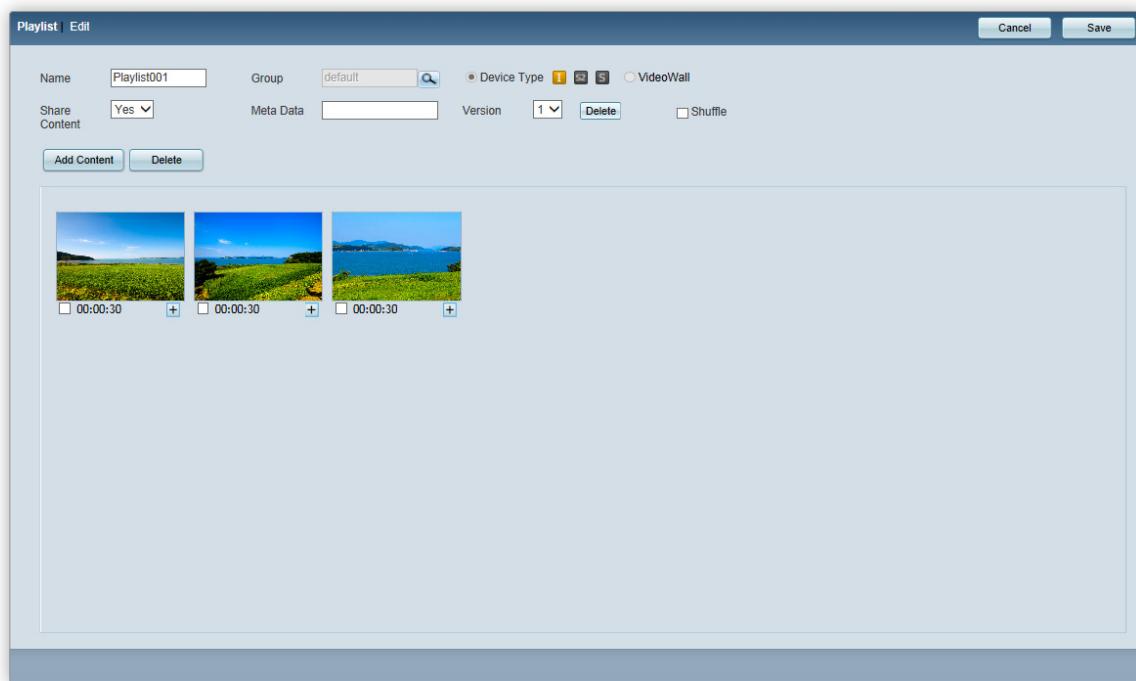
Option 1 Right-click on content and select **Delete**.

Option 2 Select a content checkbox and click **Delete**.

Managing a playlist

Editing a playlist

Select a playlist and click **Edit** to open the playlist edit page. View and edit playlist information if required. A playlist can be edited using the same method as creating a playlist.



Note

- Changing a content file on a playlist will update the playlist version. A version to apply to the server can be selected from the playlist edit page.
- Select a version and click **Delete** to delete the version.
- Device Type specified when creating a playlist cannot be edited.

Deleting a playlist

Delete playlists from the list if required.

- Select a playlist and click **To Trashbox**. The playlist is moved to **Recycle Bin**. Playlists in **Recycle Bin** can be restored and used again.
- Select **More > Delete All** to move all playlists on the list to **Recycle Bin**.
- Select a playlist and click **Delete Permanently** to delete the playlist from the server permanently. Permanently deleted playlists cannot be restored.

Viewing details of a playlist in use

A confirmation window appears when deleting a playlist in use by another user or a playlist included in a schedule.

Click  next to the desired item to view schedules containing the corresponding playlist.

Deleting a playlist in use

To delete a playlist in use by another user or a playlist included in a schedule, the schedule containing the playlist should be edited first.



- 1 Click the desired item name from the delete confirmation window.
- 2 Edit the schedule that contains the playlist you want to delete. Then, delete the playlist.

Changing playlist groups

Change playlist groups from the list if required. It is only possible to change the groups for playlists added under your own account.

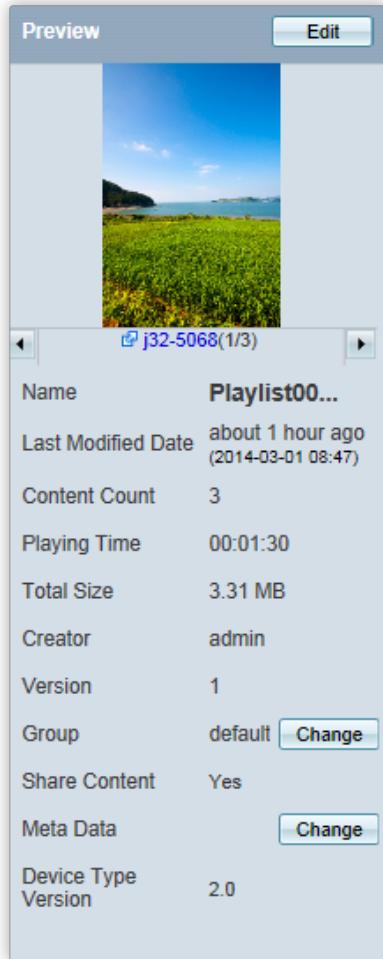
- Click a playlist. Change the group from the preview page.
- Select a playlist and click **Edit**. Change the group from the playlist edit page.
- Select a playlist and click **More > Change Group**. A page appears where a group can be changed.

Exporting a list of playlists

Select **More > Export** from the list of playlists. Export the list of playlists as an Excel or PDF file.

Previewing a playlist

Click a playlist from a list of playlists and preview the playlist.



The screenshot shows a 'Preview' interface for a playlist. At the top, there is a thumbnail image of a landscape (green field, blue sky, and water). To the right of the thumbnail is an 'Edit' button. Below the thumbnail, a progress bar indicates 'j32-5068 (1/3)'. The main area displays the following metadata:

Name	Playlist00...
Last Modified Date	about 1 hour ago (2014-03-01 08:47)
Content Count	3
Playing Time	00:01:30
Total Size	3.31 MB
Creator	admin
Version	1
Group	default Change
Share Content	Yes
Meta Data	Change
Device Type	
Version	2.0

- Click **Edit** to edit the selected content file information.
- Click the arrow below the thumbnail to view the content files on a playlist in order
- Change details in **Group** and **Meta Data** if required.

Schedule

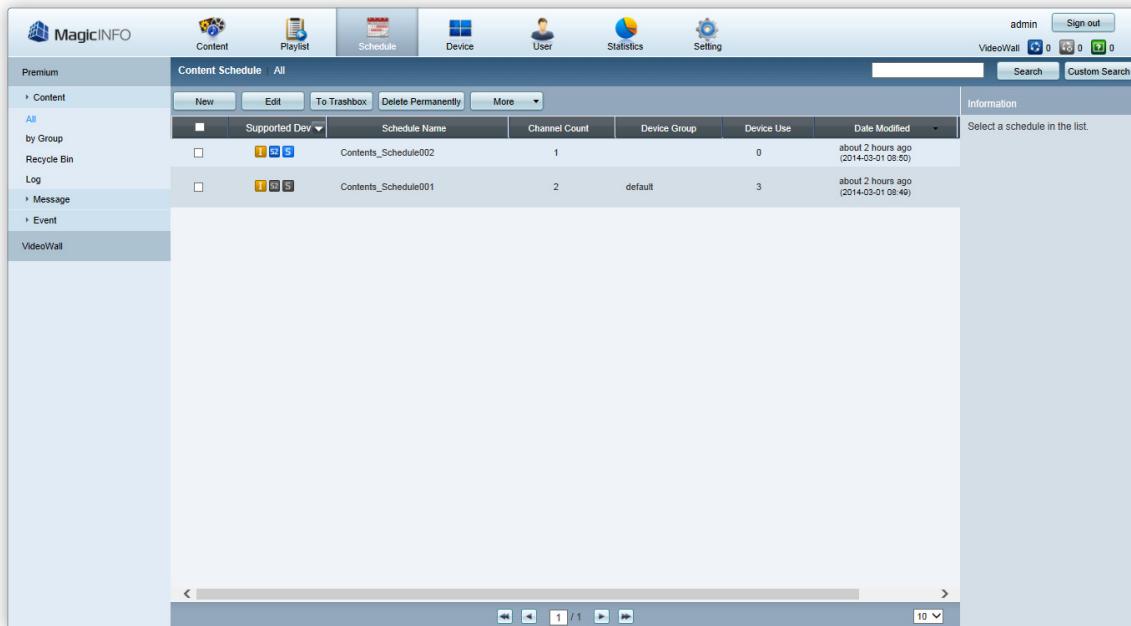
The scheduling feature enables MagicInfo to be used efficiently. Planned and systematic scheduling will allow a large number of devices to be utilized efficiently.

Select the **Schedule** tab from the MagicInfo Server main page.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the administrator page is used as an example to explain all functions.



The screenshot shows the MagicInfo Server interface with the 'Schedule' tab selected. The main content area displays a table of scheduled items. The table has columns for 'Supported Dev', 'Schedule Name', 'Channel Count', 'Device Group', 'Device Use', and 'Date Modified'. Two items are listed:

Supported Dev	Schedule Name	Channel Count	Device Group	Device Use	Date Modified
Contents_Schedule002	1	0			about 2 hours ago (2014-03-01 08:50)
Contents_Schedule001	2	default	3		about 2 hours ago (2014-03-01 08:49)

The left sidebar shows navigation links for Content, Playlist, Schedule, Device, User, Statistics, and Setting. The 'Content' link is currently selected. The 'Schedule' link is highlighted in blue. The top right corner shows the user 'admin' and a 'Sign out' button.

Content file schedule

Create and manage schedules to play content files, saved in MagicInfo Server, on devices.

Daily, weekly and monthly schedules can be created. The screen can be split for content file playback and device control.

Assigning a channel to a schedule before distributing the schedule increases the choices of content you can play from devices.

From the MagicInfo Server main page, select the **Schedule** tab > **Content**.

Viewing Content Schedules

Create groups in each organization to conveniently manage schedules by group. In each organization, a **default** group is created by default.

- **All:** Retrieve all content files added by users.
- **by Group:** View or manage schedules by group. Groups are assigned by the administrator when schedules are added.

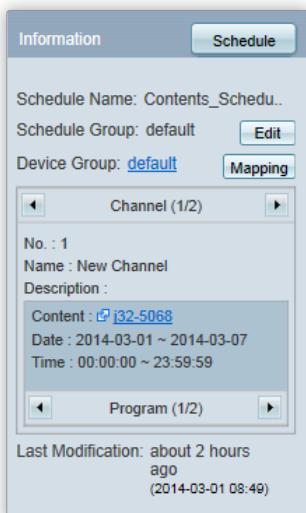
Viewing UI connectivity of a schedule

View details of a content file or playlist included in a specific schedule.

Viewing element details

View details of a content file or playlist included in a schedule.

- 1 Select a schedule from the schedule list.



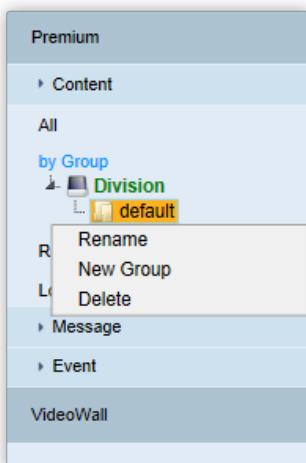
- 2 Click  /  in the Information section to view content files or playlists that belong to a program or channel assigned to a schedule.
- 3 Click  next to a content file or playlist to display the content file or playlist details.
 - Click a content file or playlist name to edit the content file or playlist, if required.

Note

- Refer to the following for further details on editing content. [► Editing a content file](#)
- Refer to the following for further details on editing playlists. [► Editing a playlist](#)

Group creation and management

- 1 To manage groups, click **by Group**.
- 2 Select a group and right-click on the mouse.



Rename	Rename the selected group.
New Group	Create groups if required. If you have selected a previously created group, it is possible to create a sub-group.
Delete	Delete the selected group.

- 3 To move a group, drag the group from **by Group** to a desired location.

Note

Moving a group that has sub-groups will move all the sub-groups together maintaining the group hierarchy.

Searching Content Schedules

General search

Enter a keyword and click **Search** to search schedules that match the keyword.

Custom search

Click **Custom search** to search schedules using a variety of criteria.

Content Schedule | Custom Search

Frame Count : Unselected | Content : Unselected | Search Content :

Device Mapping : Unselected | Search Device Group :

Date Created :

Date Modified :

Recent Search History | My Search Conditions | Shared Search Conditions

Search Conditions	Search Date	Search Manager
- / - / - / default / - / -	2014-03-01	<input type="button" value="Search"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
- / - / - / - / - / 2014-02-01 ~ 2014-03-01	2014-03-01	<input type="button" value="Search"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
- / - / - / - / 2014-02-01 ~ 2014-03-01 / -	2014-03-01	<input type="button" value="Search"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

- Specify the criteria such as the number of frames, content file, device mapping, device group, creator, creation date, or last modified date. Next, click **Search** to search schedules that match the conditions.
- Click **Save Search** to save the specified search criteria. To share the criteria with other users, enable the mode to share criteria.
- Recent Search History** shows a list of recently used search criteria.
- My Search** shows saved search information.
- Shared Search** shows a list of shared search criteria.

Search management buttons

-  : Repeat a search with the selected search criteria.
-  : Delete the selected search criteria.
-  : Save the selected search criteria.

Recycle Bin

Deleted schedules (not permanently) are kept in **Recycle Bin**. These schedules can be restored or permanently deleted.

To view schedules in Recycle Bin, click **Recycle Bin**.

Content Schedule Recycle Bin					
		Recover		Delete	
		Empty Recycle Bin		Search	
	Supported Dev	Schedule Name	Channel Count	Date Modified	Organization Name
		Schedule_Web002	1	about 21 minutes ago (2014-03-07 20:59)	Division

Information

Schedule Name: Schedule_Web002
 Schedule Group: Division

Channel (1/1)

No. : 1
 Name : Neuer Sender
 Description :

Content : **02-5060**
 Date : 2014-03-07 ~ 2014-03-07
 Time : 00:00:00 ~ 02:29:59

Program (1/1)

Last Modification: about 21 minutes ago
 (2014-03-07 20:59)

- Click **Recover** to restore the selected schedule to a desired group.
- Click **Delete** to delete the selected schedule permanently.
- Click **Empty Recycle Bin** to delete all schedules in Recycle Bin permanently.

Logs

View logs of all schedule events on MagicInfo Server.

To view a list of logs, click **Log**.

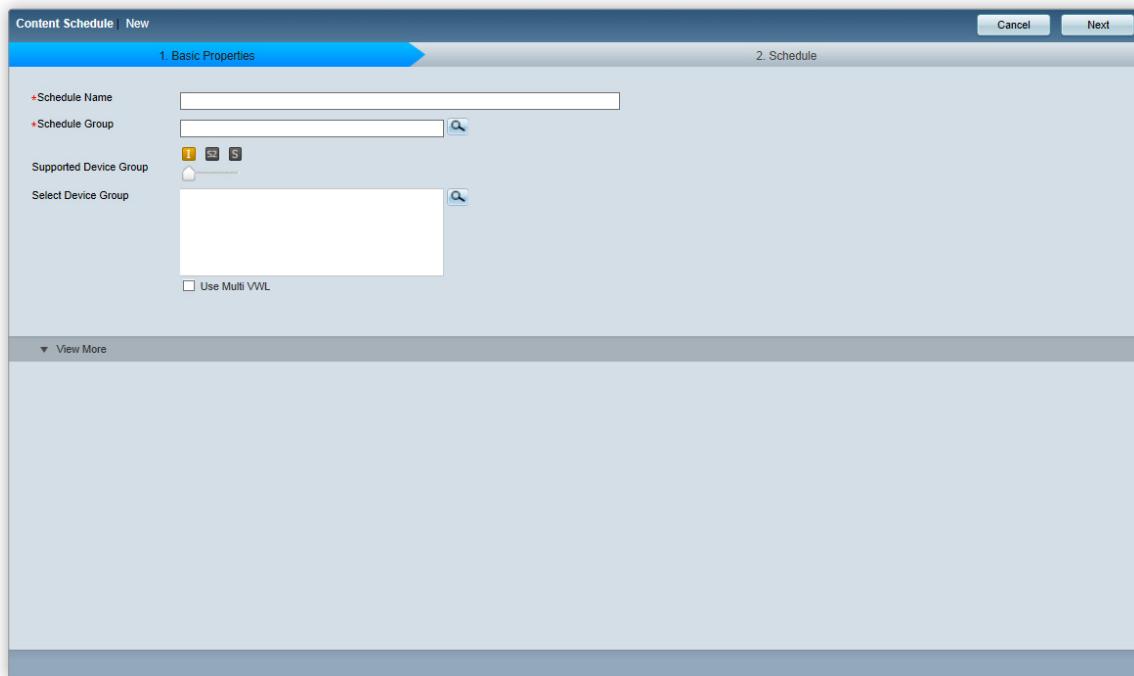
Log				
Export	Select Hour	Select Hour	View	View All
Schedule Name	Time of Event	Event Type	User ID	
Contents_Schedule001	2014-03-01 09:32:23.73	Edit Schedule	admin	
Contents_Schedule003	2014-03-01 08:50:58.51	Delete Schedule	admin	
Contents_Schedule003	2014-03-01 08:50:52.927	Create Schedule	admin	
Contents_Schedule002	2014-03-01 08:50:11.808	Create Schedule	admin	
Contents_Schedule001	2014-03-01 08:49:17.545	Create Schedule	admin	
Division_default_default	2014-02-28 17:13:43.613	Create Schedule	admin	

- Specify the date and time. Next, click **View** to retrieve event logs within the specified period.
- Click **View All** to retrieve all schedule event logs.
- Click **Export** to export a retrieved log as an Excel or PDF file.

Creating a content file schedule

Creating MagicInfo schedules

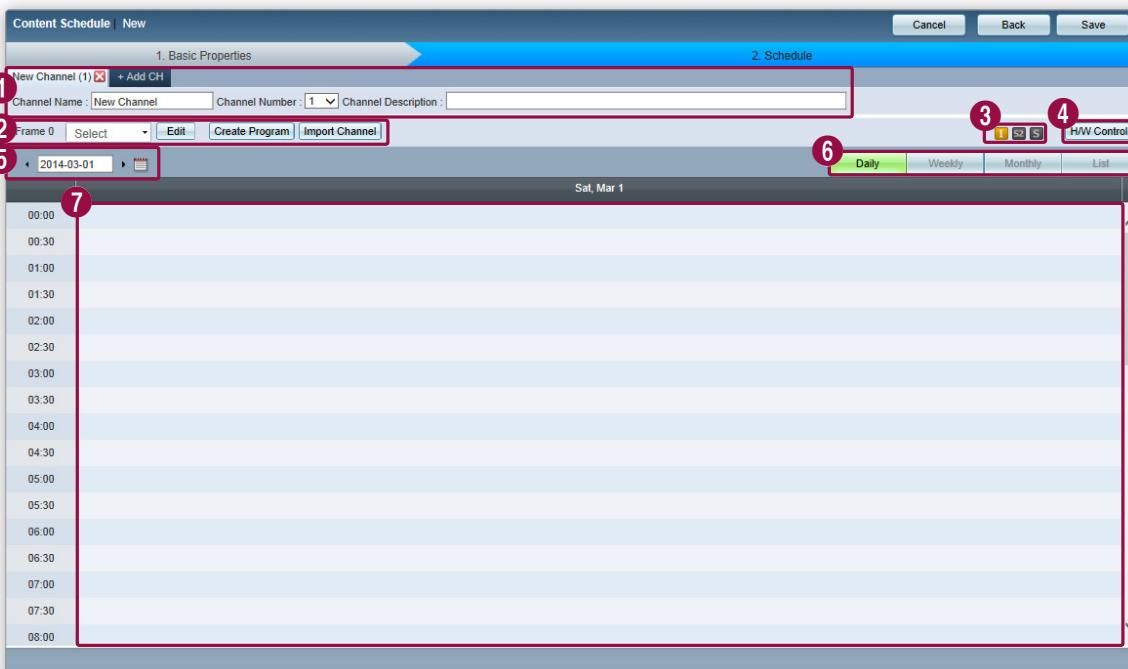
- 1 Select a group from All or by Group. Next, click New.
- 2 Configure the basic settings for a schedule. Click **View More** to view additional settings.



Schedule Name	Specify the schedule name. A single schedule name cannot be used more than once.
Schedule Group	Click  to select a group for the schedule.
Device Type	Specify the type of device to distribute the schedule to.
Select device	Select a device to distribute the schedule to. Devices can be selected by group. Individual devices cannot be selected.

Content Synchronization	Enable or disable the mode to sync content files. Content file synchronization is a function that syncs playback times when a content file is played on multiple devices that share the same schedule. This function is only available on devices on the same network.
Deploy with Reservation	<ul style="list-style-type: none"> Deploy Now: Distribute a schedule immediately after the schedule is added to the server. Distribution time cannot be set if this mode is enabled. Time to Deploy: Distribute a schedule at a specified time. All requests for schedule changes are saved up until the specified distribution time. These changes are applied all at once when the schedule is distributed.
Background Music	Select a content file to be used as the background music of a schedule. If a content file used in a schedule is a video that contains sound, the sound is replaced by the specified background music and only the video is played. Select the Play with content checkbox to play the content file sound and background music at the same time.
Description	Enter description of a schedule.

3 After configuring the required settings, click **Next**. Configure detailed settings for the schedule in the page displayed.



Configure channel names, numbers and descriptions. To add a channel, click **Add CH**. To delete a channel, click .

1 What is a channel?

A channel is similar to a TV broadcast channel. Add channels when creating a schedule and then distribute the channels to devices. This allows you to play desired content by changing device channels. Refer to the following for further details on changing channels. [▶ Changing a schedule channel](#)

Select a screen frame of a device that will receive a distributed schedule. Play a content file on the device screen split according to the selected frame. To add a frame, click **Edit**.

2 Refer to the following for further details on frame settings. [▶ Frame layout settings when creating a schedule](#).

3 The type of device to distribute schedules to and the available amount of disk space on the device are shown.

When creating a schedule, configure constraints to prevent the schedule from being executed at a specified time slot.

4 Refer to the following for further details on configuring the schedule constraints [▶ Constraint settings when creating a schedule](#)

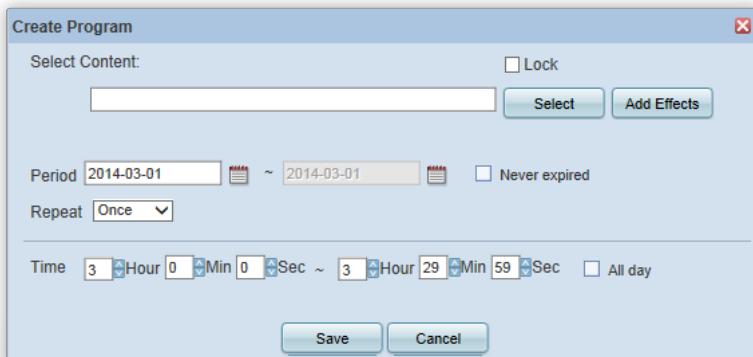
5 Select a date to assign a schedule.

Specify the time unit of a timetable to assign a schedule to. Timetables can be selected daily, weekly or monthly.

- **Daily:** View a daily timetable.
- **Weekly:** View a weekly timetable.
- **Monthly:** View a monthly timetable.
- **List:** View content file playback schedules assigned to a timetable as a list.

7 Select a time slot for content file playback by clicking or dragging.

4 Specify the time slot for content file playback by dragging or clicking a time slot from the timetable. The program creation window appears.



Select Content	<p>Select a content file or playlist to distribute to a device.</p> <ul style="list-style-type: none"> ▪ If you do not want content or playlists to be edited inadvertently, select the Safety Lock checkbox. ▪ To configure content transition effects, select the Add Effects checkbox. Transition effects cannot be added when a playlist or MagicInfo Player S is in use.
Period	<p>Specify the period to execute a schedule.</p> <ul style="list-style-type: none"> ▪ To run a schedule continuously, select the Repeat Infinitely checkbox.
Repeat	<ul style="list-style-type: none"> ▪ Once: Execute a schedule only once. ▪ Daily: Repeat a schedule every day. ▪ Weekly: Repeat a schedule on the specified day(s). ▪ Monthly: Repeat a schedule on the specified dates of every month.
Time	<p>Set the time to play a content file.</p> <p>To play content continuously over a specified period of time, select the All Day checkbox.</p>

5 After configuring the required schedule settings, click **Save**. A schedule is added to the timetable.

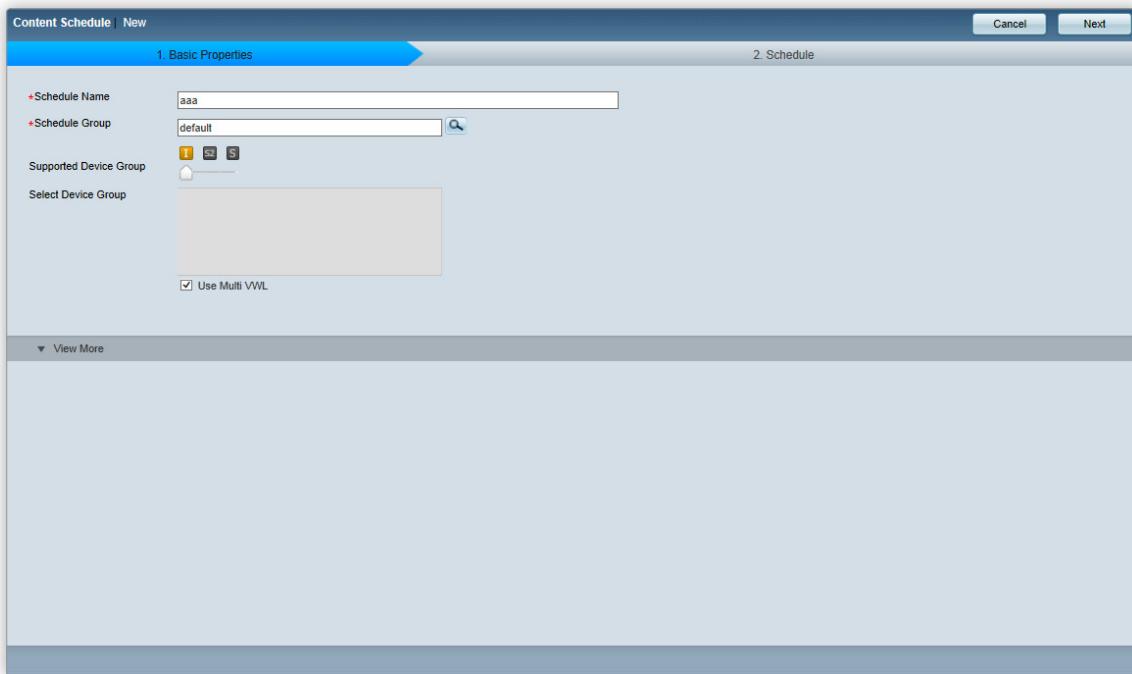
It is possible to edit a schedule assigned to a timetable. Refer to the following for further details [▶ Controlling a schedule assigned to a timetable](#)

6 Click **Finish**. A schedule has been added.

Creating VideoWall layout schedules

Distribute videowall schedules to devices that have videowall layouts configured. Refer to the following for further details on configuring videowall layouts. [► Using videowall layouts](#)

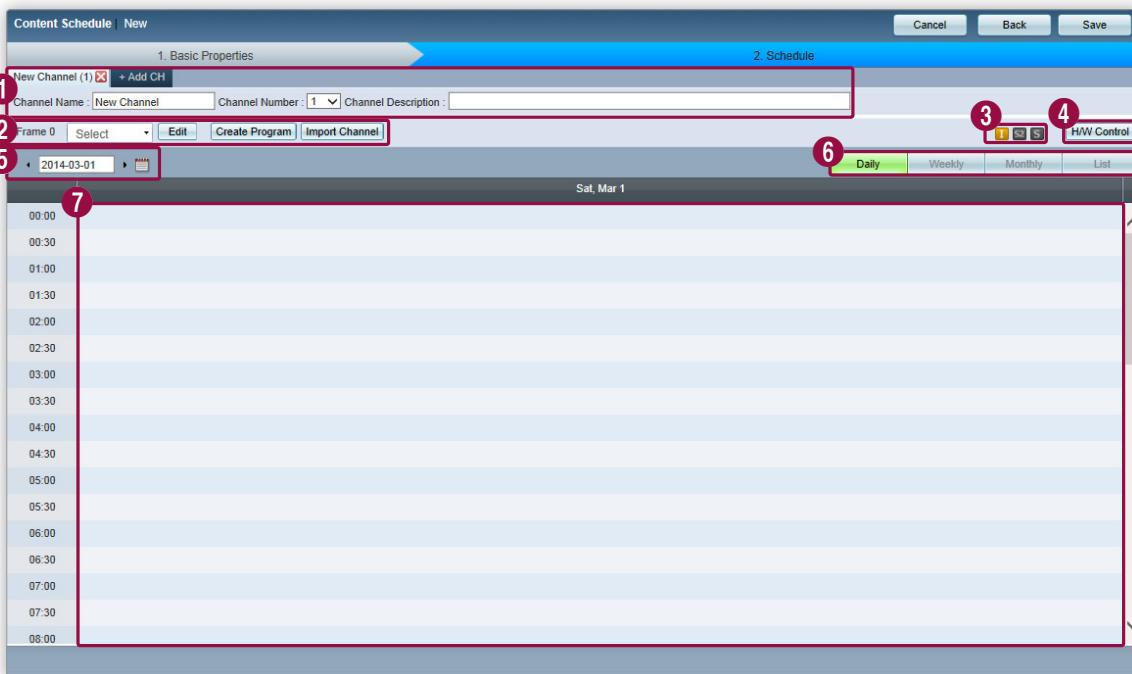
- 1 Select a group from All or by Group. Next, click **New**.
- 2 Configure the basic settings for a schedule. Click **View More** to view additional settings.



Note

To distribute videowall layout content to multiple device groups that have videowall layouts configured using Layout Editor, select the **Use Multi VWL** checkbox. Import mapping information of a videowall layout device group when creating a schedule. This allows you to play videowall layout content without the need to select a device.

3 After configuring the required settings, click **Next**. Configure detailed settings for the schedule in the page displayed.



Configure channel names, numbers and descriptions. To add a channel, click **Add CH**. To delete a channel, click .

1 **What is a channel?**

A channel is similar to a TV broadcast channel. Add channels when creating a schedule and then distribute the channels to devices. This allows you to play desired content by changing device channels. Refer to the following for further details on changing channels. [► Changing a schedule channel](#)

2 Select a screen frame of a device that will receive a distributed schedule. Play a content file on the device screen split according to the selected frame. To add a frame, click **Edit**. Refer to the following for further details on frame settings. [► Frame layout settings when creating a schedule](#).

3 The type of device to distribute schedules to and the available amount of disk space on the device are shown.

4 When creating a schedule, configure constraints to prevent the schedule from being executed at a specified time slot. Refer to the following for further details on configuring the schedule constraints [► Constraint settings when creating a schedule](#)

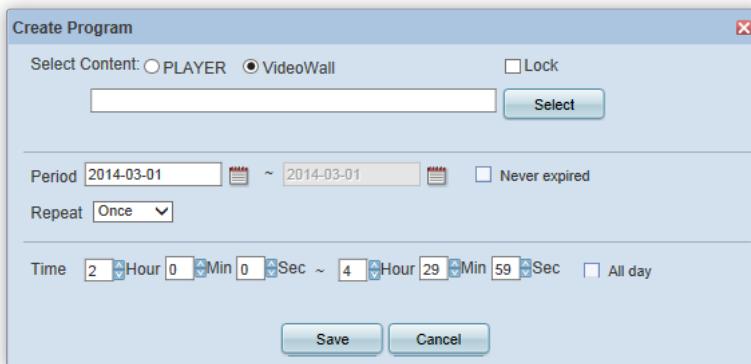
5 Select a date to assign a schedule.

Specify the time unit of a timetable to assign a schedule to. Timetables can be selected daily, weekly or monthly.

- **Daily:** View a daily timetable.
- **Weekly:** View a weekly timetable.
- **Monthly:** View a monthly timetable.
- **List:** View content file playback schedules assigned to a timetable as a list.

7 Select a time slot for content file playback by clicking or dragging.

4 Specify the time slot for content file playback by dragging or clicking a time slot from the timetable. The program creation window appears.



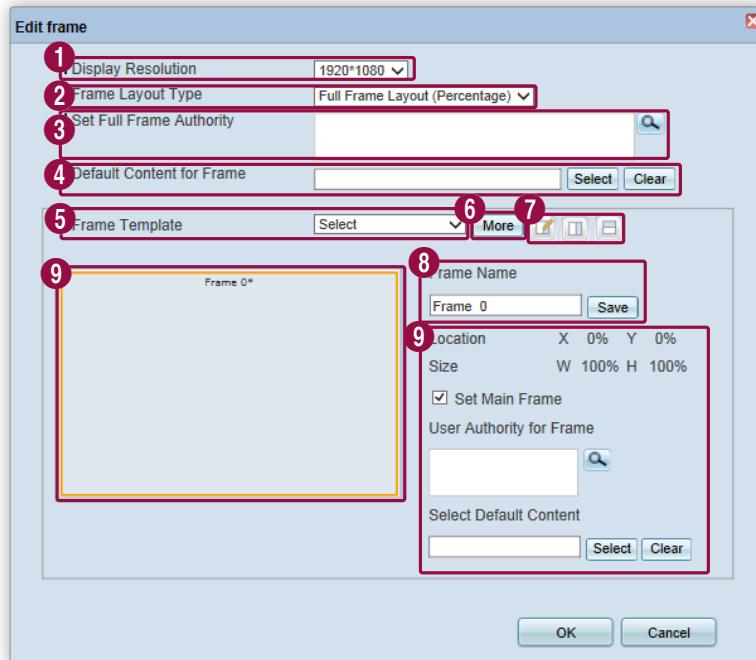
Select Content	Select a content type. To create a MagicInfo program, select PLAYER . To create a videowall program, select VideoWall . <ul style="list-style-type: none"> If you do not want content or playlists to be edited inadvertently, select the Safety Lock checkbox. To configure content transition effects, select the Add Effects checkbox. Transition effects cannot be added when creating a playlist or a videowall program.
Period	Specify the period to execute a schedule. <ul style="list-style-type: none"> To run a schedule continuously, select the Repeat Infinitely checkbox.
Repeat	<ul style="list-style-type: none"> Once: Execute a schedule only once. Daily: Repeat a schedule every day. Weekly: Repeat a schedule on the specified day(s). Monthly: Repeat a schedule on the specified dates of every month.
Time	Set the time to play a content file. <p>To play content continuously over a specified period of time, select the All Day checkbox.</p>

5 After configuring the required schedule settings, click **Save**. A schedule is added to the timetable. It is possible to edit a schedule assigned to a timetable. Refer to the following for further details. [► Controlling a schedule assigned to a timetable](#)

6 Click **Save**. A schedule has been added.

Frame layout settings when creating a schedule.

From the timetable settings page, select a frame of a device that will receive a distributed file. Play content files on the device screen divided according to the selected screen frame. Click **Edit** to edit the frame.



- 1 Select the appropriate resolution for a device.
- 2 Select predefined frame layout (percentage) mode or custom layout (pixels) mode.
- 3 Give frame management privileges to a certain group. This group can distribute or edit schedules.
- 4 Select a content file that will be played by default when no content file is distributed.
- 5 Select a predefined frame template.
- 6 Delete or save a template in a different name.
- 7 Customize the layout of a default frame template.
- 8 Specify the frame name.
- 9 Confirm or edit the frame settings that have been configured.

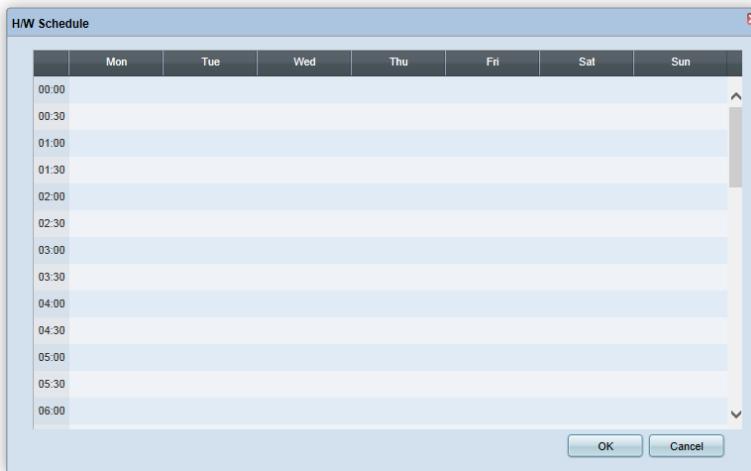
Note

- The frame of a MagicInfo Player S device can be split into four sections. Two of the sections can only be assigned video files.
- Layout Editor allows you to use videowall functions by configuring layouts for multiple devices. Refer to the following for further details on Layout Editor. [► Using videowall layouts](#)

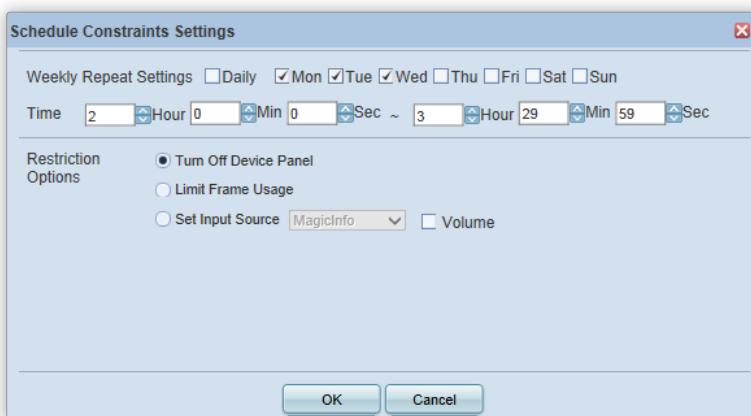
Constraint settings when creating a schedule

When creating a schedule, configure constraints to prevent the schedule from being executed at a specified time slot.

- 1 Click **H/W Control** on the timetable settings page of a schedule.



- 2 From the timetable, select a time slot to assign constraints to by clicking or dragging.
- 3 Configure the schedule constraints.

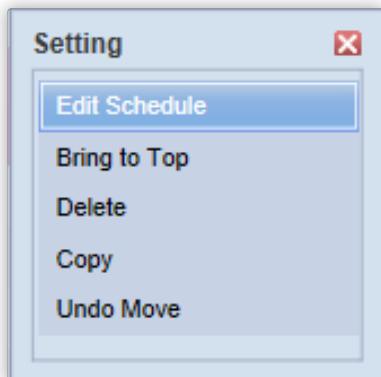


Weekly Repeat Settings	Select the day(s) to apply the schedule constraints to.
Time	Set the time to apply the schedule settings to.
Restriction Options	<p>Select a schedule constraint mode.</p> <ul style="list-style-type: none"> ▪ Turn Off Device Panel: Switch off the device panel for a specified time. ▪ Limit Frame Usage: It is recommended to display restrictions on all frames to prevent schedules from being created for a specified time slot. ▪ Set Input Source: Select the input source to display on a device. For example, selecting PC will change the input source for a device to PC during a specified time. <p>After specifying the input source, select the volume checkbox to specify the device volume.</p>

4 Click **OK**. Schedule constraint settings have been configured.

Controlling a schedule assigned to a timetable

Click a schedule assigned to a timetable to configure the schedule settings. Move content files by dragging and dropping.



Edit Schedule	Configure the settings for a scheduled item such as the time, repeat mode, content file to play, and transition effects.
Bring to Top	Bring a scheduled item to the top to play the item first.
Delete	Delete a scheduled item.
Copy	Copy the selected scheduled item. Paste the copied scheduled item to the desired time slot.
Undo Move	This option is displayed if a scheduled item was moved to a different time slot. Cancel the last schedule moved.

Content file schedule management

Editing a content file schedule

Select a schedule from a list of content file schedules and click **Edit**. Edit the schedule using the same method as creating a schedule.

Deleting a content file schedule

Delete schedules from a list of content file schedules if required.

- Select a content file schedule and click **To Trashbox**. The content file schedule is moved to **Recycle Bin**. Schedules in **Recycle Bin** can be restored and used again.
- Select **More > Delete All** to send all schedules on the list to **Recycle Bin**.
- Select a content file schedule and click **Delete Permanently** to delete the schedule from the server permanently. Permanently deleted schedules cannot be restored.

Note

A device with a deleted schedule switches to the default schedule.

Changing content file schedule groups

Change schedules from a list of content file schedules using one of the following methods.

- Click a schedule. Change the group from the details page.
- Select a schedule and click **Edit**. Change the group from the schedule edit page.
- Select a schedule and click **More > Change Group**. A page appears where a group can be changed.

Exporting a list of content file schedules

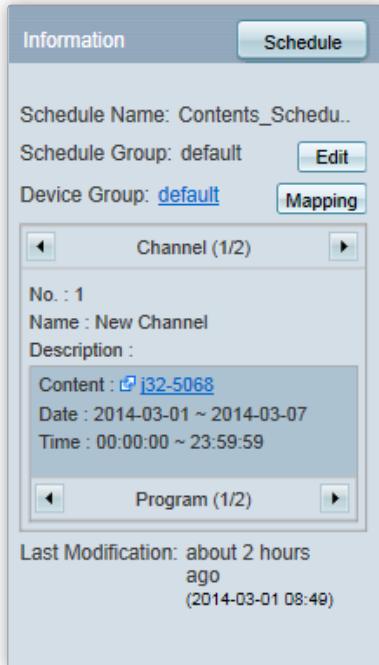
Select **More > Export** from the list of content file schedules. Export the list of content file schedules as an Excel or PDF file.

Saving a content file schedule in a different name

Select a content file schedule from the list and click **More > Save As**. Save the content file schedule in a different name.

Viewing content file schedule details

Click a schedule from a list of content file schedules to view the schedule details.



- Click a **Schedule** to edit the corresponding timetable for content file playback.
- Click **Edit** in **Schedule Group** to edit the group of a schedule.
- Click **Mapping** in **Device Group** to change the group of a device that will execute a schedule.
- Click **◀ / ▶** from the **Channel** item to view information about another channel under a schedule. This function is available when a schedule has several channels registered.
- Click **◀ / ▶** from the **Program** item to view information about another program under a channel. This function is available when a channel has several programs registered.

Message schedules

Create and manage messages to play on devices.

Message schedules can be created daily, weekly or monthly.

From the MagicInfo Server main page, select the **Schedule** tab > **Message**.

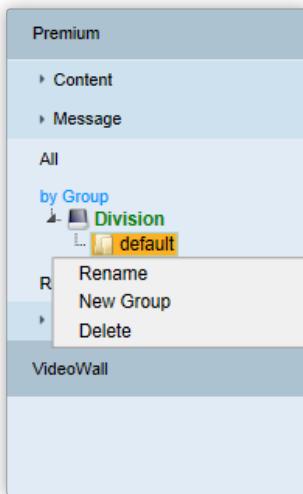
Viewing Message Schedules

Create groups in each organization to conveniently manage message schedules by group. In each organization, a **default** group is created by default.

- **All:** View message schedules added by users in your organization.
- **by Group:** An administrator can view or manage message schedules by group. Groups are assigned by the administrator when messages are added.

Group creation and management

- 1 To manage groups, click **by Group**.
- 2 Select a group and right-click on the mouse.



Rename	Rename the selected group.
New Group	Create groups if required. If you have selected a previously created group, it is possible to create a sub-group.
Delete	Delete the selected group.

3 To move a group, drag the group from **by Group** to a desired location.

Note

Moving a group that has sub-groups will move all the sub-groups together maintaining the group hierarchy.

Searching Message Schedules



General search

Enter a keyword and click **Search** to search message schedules that match the keyword.

Custom search

Click **Custom Search** to search message schedules using a variety of criteria.



Search Conditions	Search Date	Search Manager
- / a / - / - / - / 2014-03-12 ~ 2014-03-19 / -	2014-03-01	  
	2014-03-01	  

- Enter or select a message name, message, user name and played date. Next, click **Search** to search messages that match the conditions.
- Click **Save Search** to save the specified search criteria. To share the criteria with other users, enable the mode to share criteria.
- Recent Search History** shows a list of recently used search criteria.
- My Search** shows saved search information.
- Shared Search** shows a list of shared search criteria.

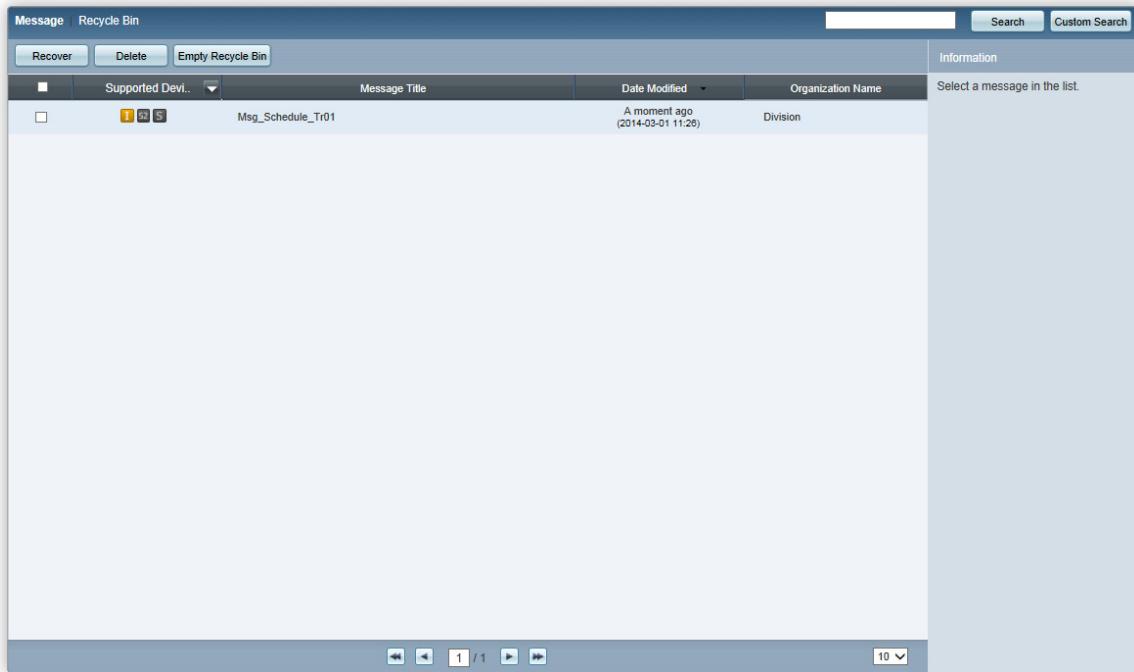
Search management buttons

-  : Repeat a search with the selected search criteria.
-  : Delete the selected search criteria.
-  : Save the selected search criteria.

Recycle Bin

Deleted message schedules (not permanently) are kept in **Recycle Bin**. These message schedules can be restored or permanently deleted.

To view message schedules in Recycle Bin, click **Recycle Bin**.



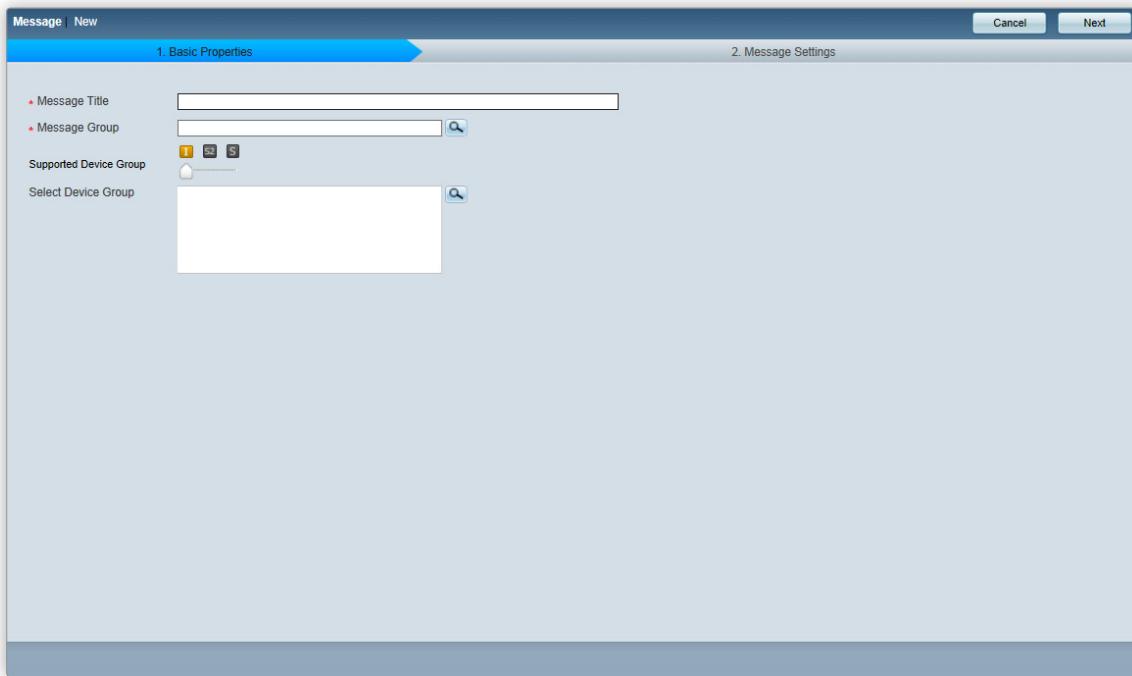
The screenshot shows a software interface titled 'Message | Recycle Bin'. At the top, there are buttons for 'Recover', 'Delete', and 'Empty Recycle Bin', along with 'Search' and 'Custom Search' options. The main area is a table with columns: 'Supported Devi...', 'Message Title', 'Date Modified', and 'Organization Name'. A single row is visible, showing 'Msg_Schedule_Tr01' as the message title, 'A moment ago (2014-03-01 11:26)' as the date modified, and 'Division' as the organization name. To the right of the table, a message says 'Select a message in the list.' At the bottom, there are navigation buttons for the table and a dropdown for page size.

Supported Devi...	Message Title	Date Modified	Organization Name
	Msg_Schedule_Tr01	A moment ago (2014-03-01 11:26)	Division

- Click **Recover** to restore the selected message schedule to a desired group.
- Click **Delete** to delete the selected message schedule permanently.
- Click **Empty Recycle Bin** to delete all message schedules in Recycle Bin permanently.

Creating message schedules

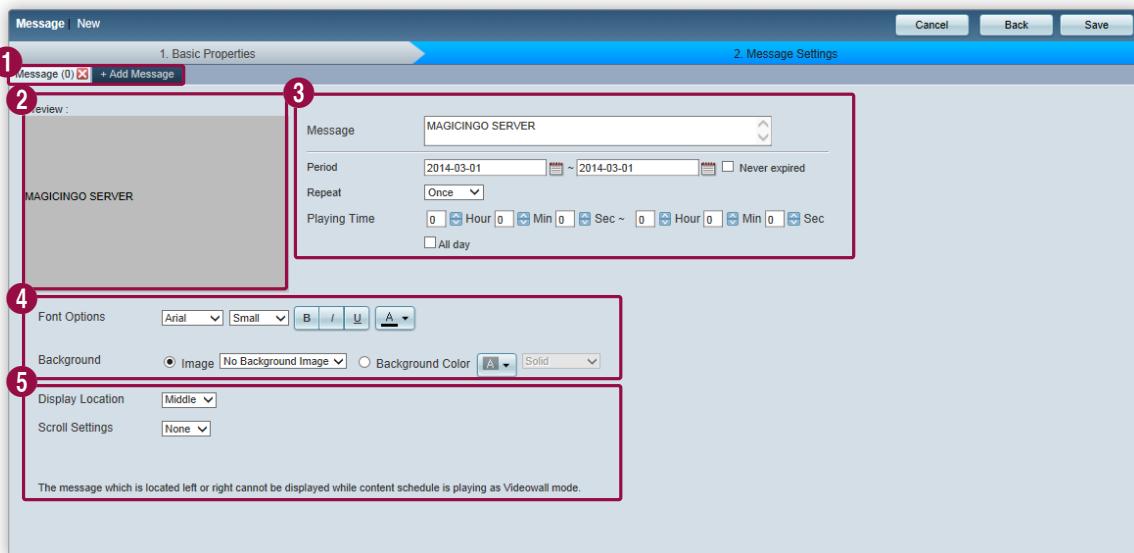
- 1 Select a group from **All** or **by Group**. Next, click **New**. The message schedule creation page appears.
- 2 Configure the basic settings for a message schedule.



Message Title	Specify the message name. A single message schedule name cannot be used more than once.
Message Group	Click  to select a group for the message.
Device Group	Select a device that will display a message. Devices can be selected by group. Individual devices cannot be selected.

- 3 After configuring the required settings, click **Next**. The message settings page appears.

4 Write a message and specify the appearance and playback time.



1 Add or delete messages. To add a message, click **Add Message**. To delete a message, click . Adding messages allows you to play various messages at a desired time from a single schedule.

2 Preview a message.

Configure message settings such as the content, period, repeat cycle and duration.

- **Message:** Enter the content of a message.
- **Period:** Specify the period to play a message. To play a message continuously, select the **Repeat Infinitely** checkbox.
- **Repeat:** Specify the cycle to repeat a message.
- **Playing Time:** Specify the duration to play a message.

Configure text properties and background color.

- **Font Options:** Specify the text font and color.
- **Background:** Specify the background color. If you have selected Background Color, click  to change the background color.

Specify the position and scroll direction for a message on devices.

- **Display Location:** Specify the position of a message on devices.
- **Scroll Settings:** Specify the scroll direction and speed for a message on devices.

 **Note**

If the device is in videowall mode, the message is displayed in the middle of the layout. Accordingly, the message will not appear on the screen if the message location is set to **Left** or **Right**.

5 Click **Finish**. A schedule has been added.

Message schedule management

Editing a message

Select a message from a list of messages and click **Edit**. Edit the message using the same method as creating a message.

Deleting a message

Delete messages from a list of messages if required.

- Select a message and click **To Trashbox**. The message is moved to **Recycle Bin**. Messages in **Recycle Bin** can be restored and used again.
- Select **More > Delete All** to send all messages on the list to **Recycle Bin**.
- Select a message and click **Delete Permanently** to delete the message from the server permanently. Permanently deleted messages cannot be restored.

Changing message groups

Change the group of a message from a list of messages using one of the following methods.

- Select a message and click **Edit**. Change the group from the message edit page.
- Select a message and click **More > Change Group**. A page appears where a group can be changed.

Exporting a list of messages

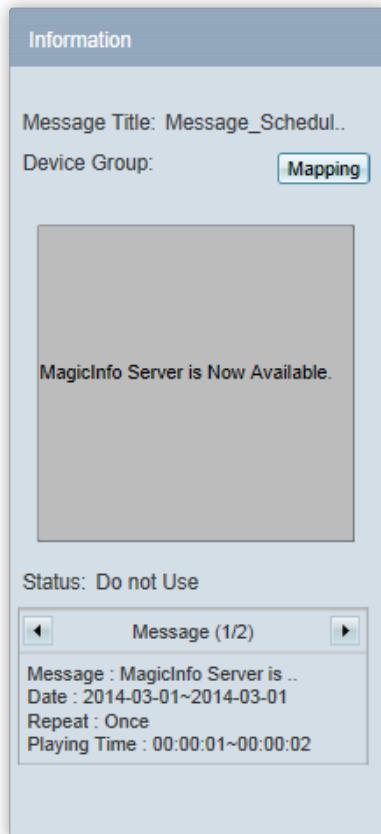
Select **More > Export** from a list of messages. Export the list of messages as an Excel or PDF file.

Saving a message in a different name

Select a message from the list and click **More > Save As**. Edit and save the message in a different name.

Viewing message details

Click a schedule from a list of content file schedules to view the schedule details.



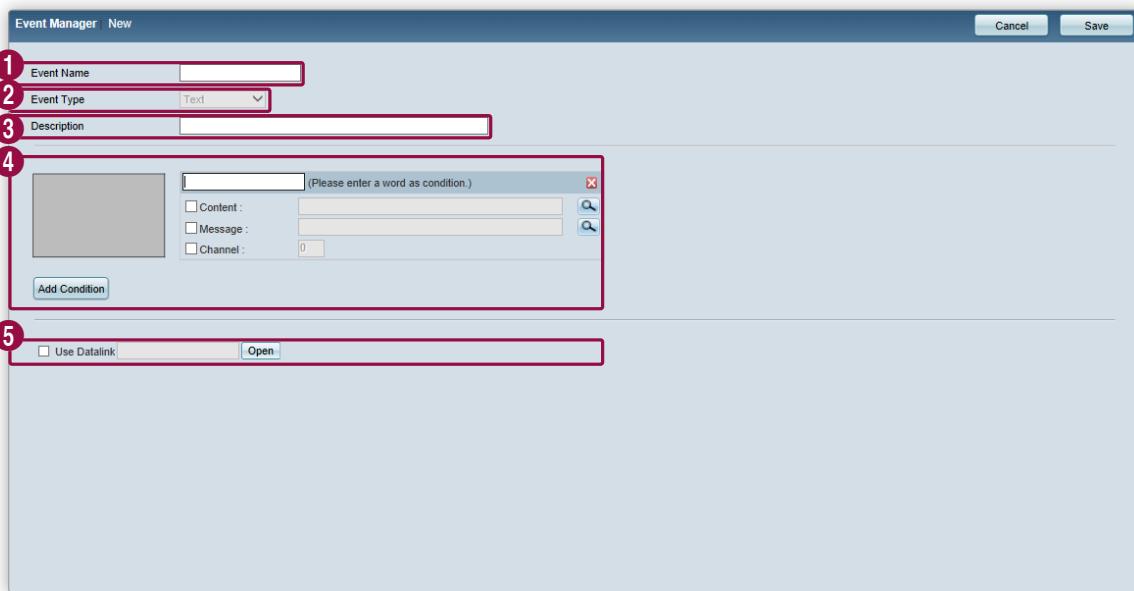
Note

Click  /  to view another message under a schedule. This function is available when a schedule has several messages registered.

Creating an event

Make sure to create an event before creating an event schedule. To create an event, click **Event Management**.

- 1 Click **New**. The event creation page appears.



- 1 Enter an event name.

- 2 Select an event type from the dropdown list. Event conditions vary depending on the selected event type.

- 3 Enter an event description.

Add event conditions. To add an event condition, click **Add Condition**. To delete a condition, click . Adding conditions allows you to play various events based on different conditions from a single event.

- **Content files:** To select content to play on devices when event conditions are satisfied, click .
- **Message:** Enter a message to display on devices when event conditions are satisfied. Click  if you want to specify the message text font and position on devices.
- **Channel:** Enter a device channel to change when event conditions are satisfied.

Note

- Displayed event conditions that can be added vary depending on the selected event type.
- After clicking **Add Condition**, the event type cannot be changed. To change the event type, cancel creating the event and then start again.

- 5 To import datalink server information, select the **Use Datalink** checkbox and then click **Open**.

- 2 After configuring the required settings, click **Save**.

Managing events

Editing events

Select an event from a list of events and click **Edit**. Edit the event using the same method as creating an event.

Note

- Event Type cannot be edited.
- Some event conditions cannot be edited depending on the event type specified when the event was created.

Deleting events

Delete events from a list of events, if required.

- Select **More > Delete All** to move all events on the list to **Recycle Bin**.
- Select an event and click **Delete Permanently** if you want to delete an event from the server permanently. Permanently deleted events cannot be restored.

Stopping events

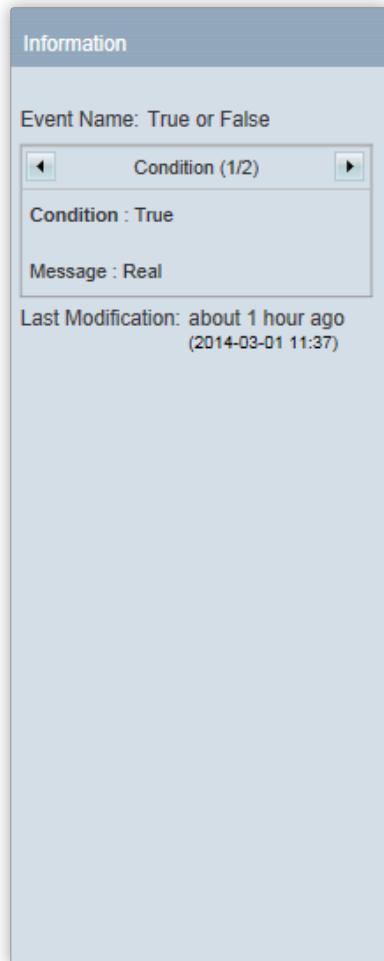
Stop a currently running event from the event schedule, if required. Select an event from the list and click **Stop**.

Exporting a list of events

Select **More > Export** from the event list. The event list can be exported as an Excel or PDF file.

Viewing event details

Click an event from the event list to view the event details.

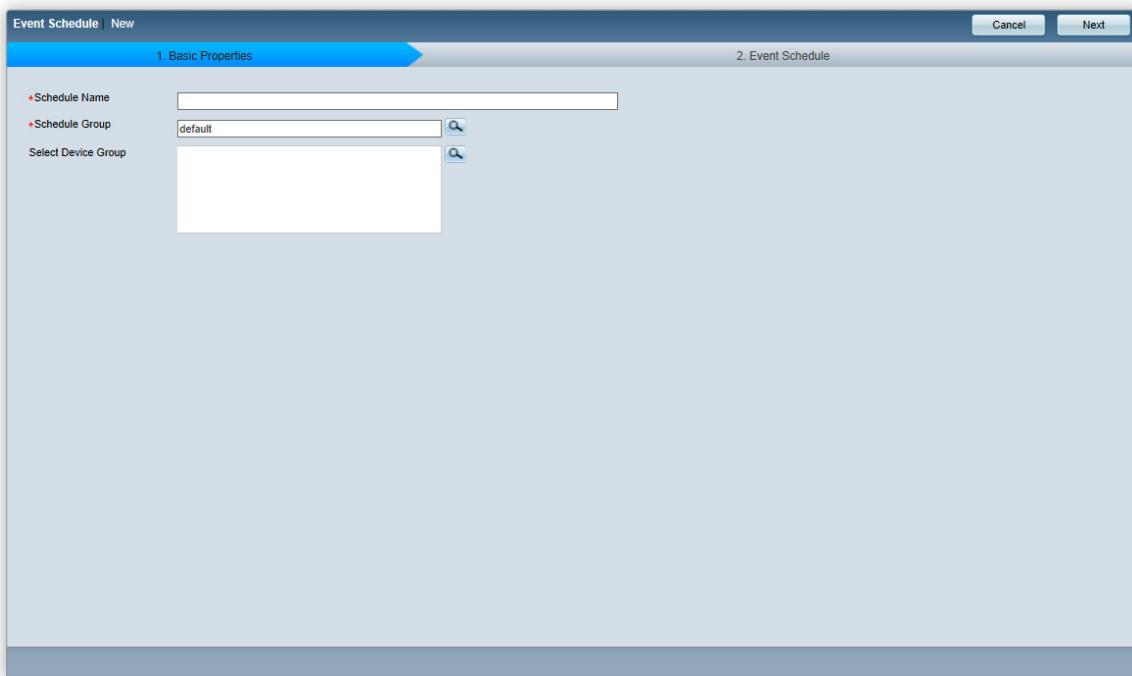


Note

Click  /  to view another condition under an event. This function is available when an event contains several conditions.

Creating an event schedule

- 1 Select a group from **All** or **by Group**. Next, click **New**. The event schedule creation page appears.
- 2 Configure basic settings for the event schedule.



Schedule Name	Specify the schedule name.
Schedule Group	Click  to select a schedule group.
Select Device Group	Click  to select devices that will play the event. Devices can be selected by group. Individual devices cannot be selected.

- 3 After configuring the required settings, click **Next**. The event schedule settings page appears.

4 Specify the event type, period and conditions.

- 1 Add or delete events. To add an event, click **New Event**. To delete an event, click . Adding events allows you to play desired events based on different conditions from a single schedule.
- 2 Configure settings for a created event from Event Management.
- 3 Specify the period to execute a schedule.
 - To run a schedule continuously, select the **Repeat Infinitely** checkbox.
- 4 Configure the condition settings to start an event. Select the checkboxes of actions to display on devices when conditions are satisfied.
- 5 Configure the condition settings to stop an event. Setting options vary depending on the selected condition to stop an event.

Note

To create an event schedule, create an event first. Refer to the following for further details. [▶ Creating an event](#)

- 5 Click **Save**. A schedule has been added.

Managing event schedules

Editing event schedules

Select a schedule from the list and click **Edit**. Edit the schedule using the same method as creating an event schedule.

Deleting event schedules

Delete schedules from a list of event schedules, if required.

- Select an event schedule and click **To Trashbox** to move the schedule to **Recycle Bin**. Schedules in **Recycle Bin** can be restored and used again.
- Alternatively, select **More > Delete All** to move all event schedules on the list to **Recycle Bin**.
- Select a schedule and click **Delete Permanently** if you want to delete the schedule from the server permanently. Permanently deleted events cannot be restored.

Changing event schedule groups

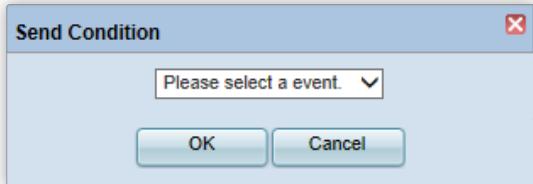
Change a schedule from a list of event schedules, if required.

- Click a schedule. Change the group from the details page.
- Select a schedule and click **Edit**. Change the group from the schedule edit page.
- Select a schedule and click **More > Change Group**. A page appears where a group can be changed.

Transmitting event schedules

Send desired event conditions to devices.

- 1 Select an event from the list and click **Send Condition**.
- 2 Select an event from the dropdown list and click **OK**.



Stopping event schedules

Stop an event currently playing on devices, if required. Select an event from the list and click **Stop**.

Exporting a list of event schedules

Select **More > Export** from the event list. The event list can be exported as an Excel or PDF file.

Viewing event schedule details

Click a schedule from a list of event schedules to view the schedule details.

Information

Schedule Name: Enenet01

Schedule Group: default [Edit](#)

Device Group: [Mapping](#)

Event (1/1)

Event : Text
Date : 2014-03-01 ~ 2014-03-18
Start : Oh
Message : Yes
Stop : Oh

Last Modification: about 7 minutes ago
(2014-03-01 11:39)

[Send Condition](#) [Stop](#)

Note

Click  /  to view another event under a schedule. This function is available when a schedule contains several events.

Devices

Device tab

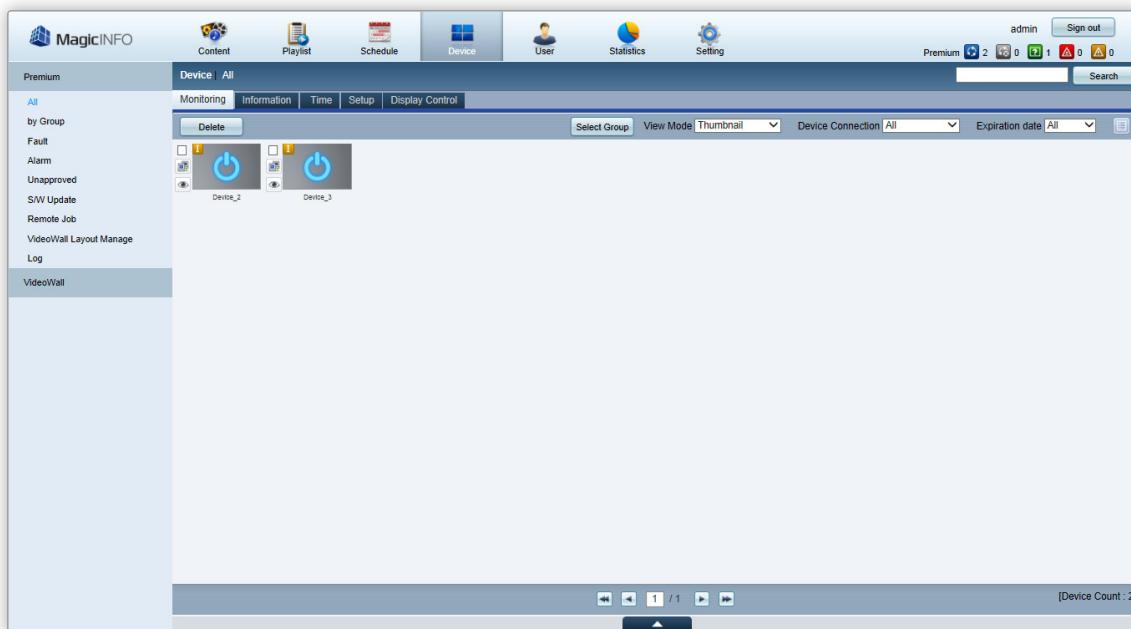
Manage devices added to the server.

Check statuses or resolve issues for devices through monitoring, remote connection/control and device error checking. Retrieve device events and services by keeping logs.

From the MagicInfo Server main page, select the **Device** tab.

Note

- If Premium Device Permissions is activated, the device manager can only manage devices authorized by Server Administrator or Administrator. For details on device management privilege settings, refer to the following: [▶ Viewing detailed user information / Editing information](#)
- A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)
- In this user guide, the SaaS administrator page is used as an example to explain all functions.



View Devices

View devices connected to the server and retrieve details for each device. Monitor and remotely control connected devices. Click **Select Group** from the list to view devices under a desired group.

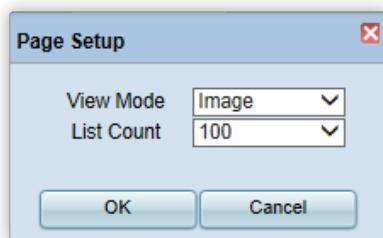
- **All:** View devices connected to the server and retrieve details for each device. Monitor and remotely control connected devices.
- **by Group:** View devices connected to the server by group.

Note

- If the VideoWall device is connected to the server, it is possible to view detailed information on each device by clicking a desired menu item.
- If Premium Device Permissions is activated, the device manager can only manage devices authorized by Server Administrator or Administrator. For details on device management privilege settings, refer to the following: [▶ Viewing detailed user information / Editing information](#)

Page settings

Specify the device information view mode. Specify the maximum number of devices to display on a single screen. Click  on the page.



View Mode	<ul style="list-style-type: none"> ▪ List mode: Display device settings as a list to the right of a device thumbnail page. ▪ Image mode: Display device names and thumbnails only.
List Count	Specify the maximum number of devices displayed on a single screen in units of 100.

Searching devices

Using custom search, search device information with additional criteria. Save and then share search criteria with other users.

Note

A Custom Search button is displayed where custom search is available.

Using the Dashboard

The Dashboard shows frequently used remote-control functions for devices.

The Dashboard can be accessed from any page of the Device tab.

To use the Dashboard, click a device checkbox from the list.

Click  at the bottom of the page.



On	Turn a device on or off.
Panel Status	Switch a device panel on or off.
VNC	Enable the remote connection function. The remote access function is only available in MagicInfo Player I.
Restart	Restart a device.
Input Source	Select an input source from the dropdown list.
Schedule channel	Change a device channel.
Volume	Adjust the volume of a device.
Mute	Turn on or off the device sound.

Changing a schedule channel

Change a device channel using one of the following options:

- Option 1** Change the channel using the device remote control.
- Option 2** Select a device checkbox from the device list and then change the channel using the dashboard function.
- Option 3** Go to Device > Display Control. Select a device checkbox and click **Channel**.

Viewing device details

View and edit detailed device information by clicking a tab from the device list page.

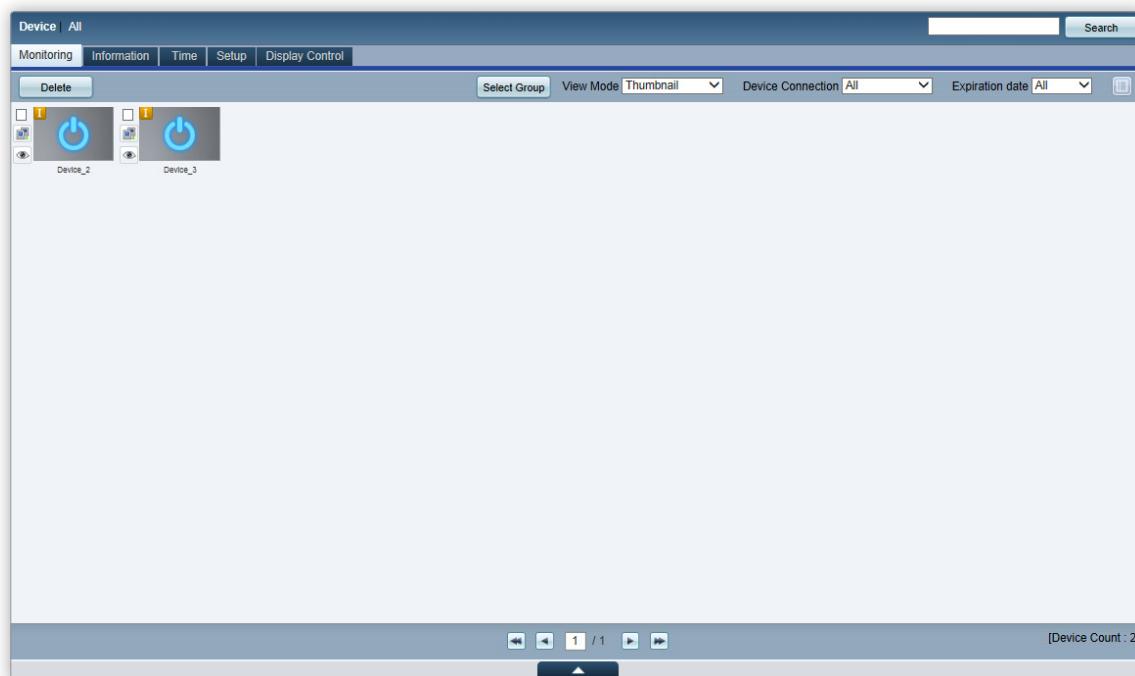
Monitoring

Monitor the on/off status of devices connected to the server, playing content files, and schedule details in real-time. Configure videowall layouts by group, if required.

Click the **Monitoring** tab to display a list of devices.

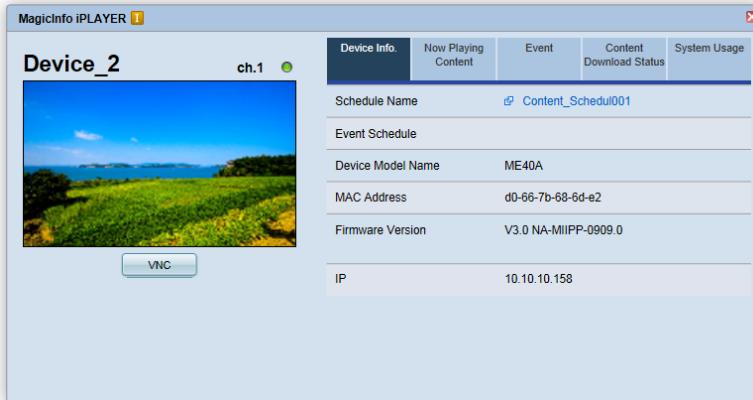


Refer to the following for details on configuring videowall layouts by device group: [► Using videowall layouts](#)



Viewing device statuses

1 To view a detailed content playback status, click a device from the list.



Device Info.	<p>View information about a device.</p> <p>To check the UI connectivity for a distributed schedule, click .</p>
Now Playing Content	<p>View details of a content file playing on a device.</p> <p>To check the UI connectivity for a playing content file, click .</p>
Event	<p>View event details registered on a device.</p>
Content Download Status	<p>View the status of content downloaded on the device.</p>
System Usage	<p>View the system usage for a device in a graph.</p> <p>To view the system usage, click Start.</p>

Note

Refer to the following for further details on UI connectivity. [► Viewing UI connectivity of a device](#)

2 To remotely view and configure devices connected to the server, click **VNC**. The current screen output of the device appears in a new window.

Note

The remote access function is available in MagicInfo Player I. If a remote server is registered on the server, simple functions on MagicInfo Player S2 can be controlled remotely. Refer to the following for further details on the MagicInfo Player S2 remote server. [► Managing a MagicInfo Player S2 remote server](#)

Viewing a screenshot image

To view a screenshot image captured from a device, select screenshot from the dropdown list.

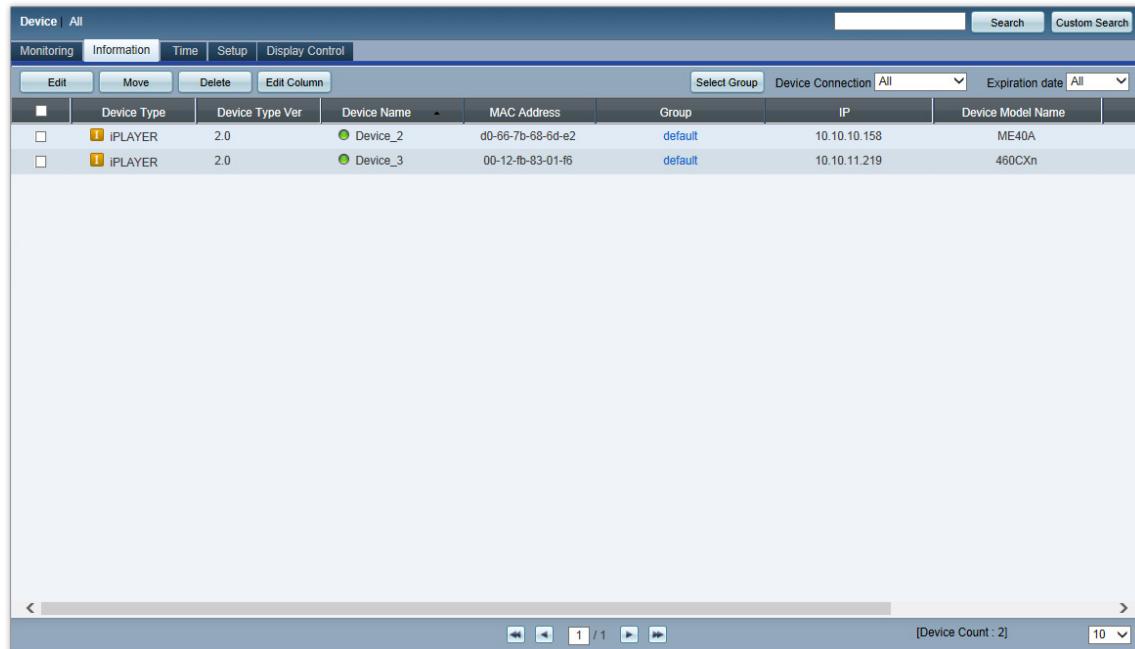
Note

- An image will not appear if no screenshot image has been saved.
- MagicInfo Player S does not support the feature to view screenshot images.
- It is possible to set the cycle to capture screen output by selecting a device from the **Setting** tab.

Information

View detailed information of a device.

Click the **Information** tab to display a list of devices.



Device Type	Device Type Ver	Device Name	MAC Address	Group	IP	Device Model Name
iPLAYER	2.0	Device_2	d0-66-7b-68-6d-e2	default	10.10.10.158	ME40A
iPLAYER	2.0	Device_3	00-12-fb-83-01-f6	default	10.10.11.219	460CXn

To view detailed information about a device, click a device from the list.

Editing device information

1 To edit detailed information about a device, click **Edit**.

The screenshot shows the 'Device Information' edit screen. At the top, there are tabs for 'Monitoring', 'Information' (which is selected), 'Time', 'Setup', and 'Display Control'. Below the tabs are 'Save' and 'Cancel' buttons. The main area is divided into sections: 'Default Information' (Device Name: Device_2, MAC Address: d0-66-7b-68-6d-e2, Device Model Name: ME40A, Location: empty), 'Version' (Firmware Version: T-GAPLDWWC-1007.0, OS Image Version: NL_SBAWES16F_1000.3, Client Program Version: V3.0 NA-MIIPP-0909.0), and 'Network' (Network Adapter: Realtek PCIe GBE Family Controller - Packet Scheduler Miniport, Network Driver: 5.790.629.2011, MAC Address: d0-66-7b-68-6d-e2, IP Setting Type: STATIC (radio button selected), IP: 10.10.10.158, Subnet Mask: 255.255.254.0, Gateway: 10.10.10.1, DNS Server (Primary): 203.248.252.2, DNS Server (Secondary): empty). The 'Save' button is highlighted in blue.

Basic Information

Edit basic information of a device.

- **Device Name:** Change a device name.
- **Device Model Name:** Change a device model name.
- **Location:** Edit the device location details.

Network

Edit the network settings for a device.

- **IP Setting Type:** Select STATIC or DHCP.
- **IP:** Change the IP address.
- **Subnet Mask:** Change the subnet mask settings.
- **Gateway:** Change the gateway settings.
- **DNS Server (Primary):** Change the default DNS settings.
- **DNS Server (Secondary):** Change the secondary DNS settings.
- **Port:** Change the port settings.

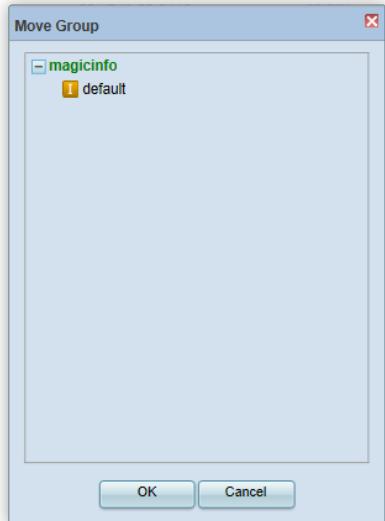
2 Change the settings as desired and click **Save**.



Unique information of a device cannot be edited.

Changing a device group

- 1 To change the group of a device, select the device checkbox and click **Move**.



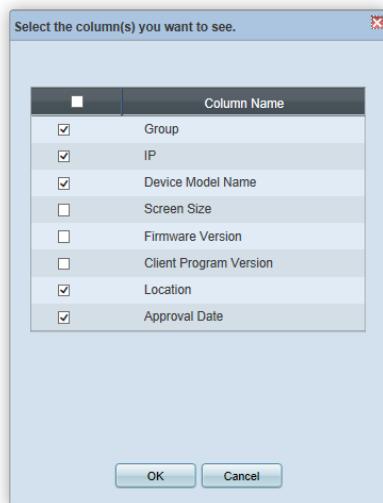
- 2 Select a new group and click **OK**.

Deleting devices

To delete a device from a list of devices after disconnecting the device from the server, click the device checkbox and click **Delete**.

Displaying/hiding items

To select items to display on the device list, click **Edit Column**.



Time

Configure the on/off timer and holiday settings for a device.

Click the **Time** tab to display a list of devices.

Viewing time settings on a device

To view the time settings on a device, click a device from the list.

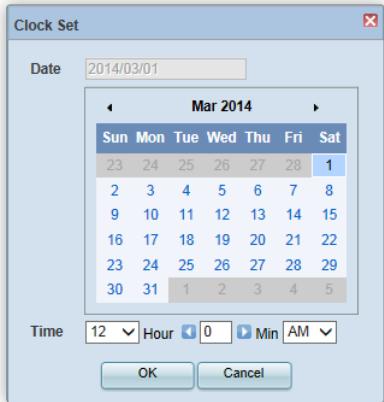
The current time and schedule settings can be changed by clicking **Edit** in the device time settings page.

Note

To set the on/off timer and holidays, make sure the current time is set.

Setting the current time

1 To set the current time on a device, click the **Time** tab. Next, select the device checkbox and click **Clock Set**.

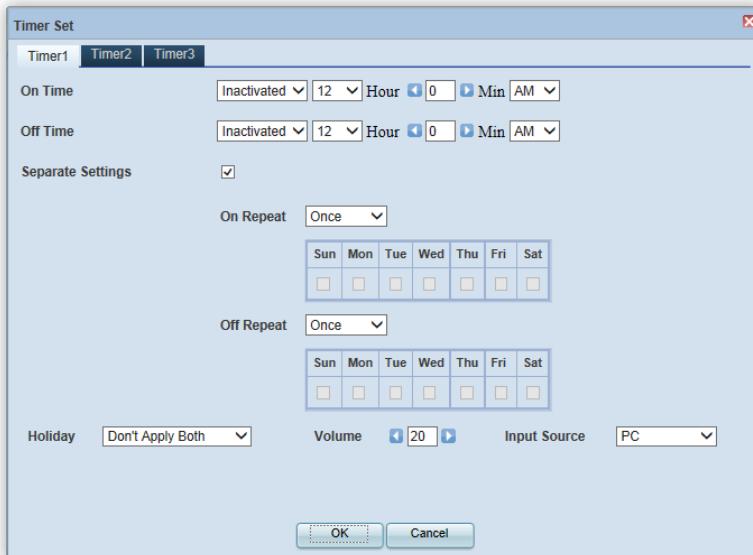


2 Enter the date and time, and then click **OK**.

Timer settings

Use a device efficiently by configuring the on/off timer and holiday settings.

- 1 Select the desired device checkbox and click **Timer Set**.



On Time	Set the on timer of the device.
Off Time	Set the off timer of the device.
Separate Settings	<ul style="list-style-type: none"> ▪ Repeat: Set the cycle to repeat the on timer. ▪ Off Repeat: Set the cycle to repeat the off timer.
Holiday	Select Apply if you do not want a device to operate on the dates selected as holidays.
Volume	Configure the device volume.
Input Source	Specify the device input source.

Note

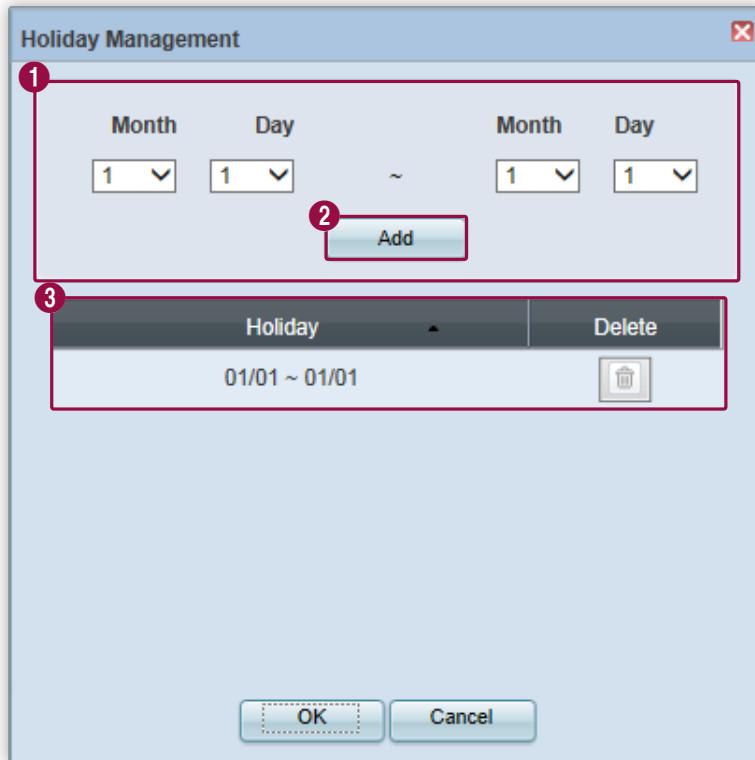
Separate Settings may not be available on some models. Contact the dealer the program was purchased from for further details.

- 2 Configure the settings as desired and click **OK**.

Holiday management

Assign holidays to a device to prevent the device from operating on specified days.

- 1 Select the desired device checkbox and click **Holiday Management**.

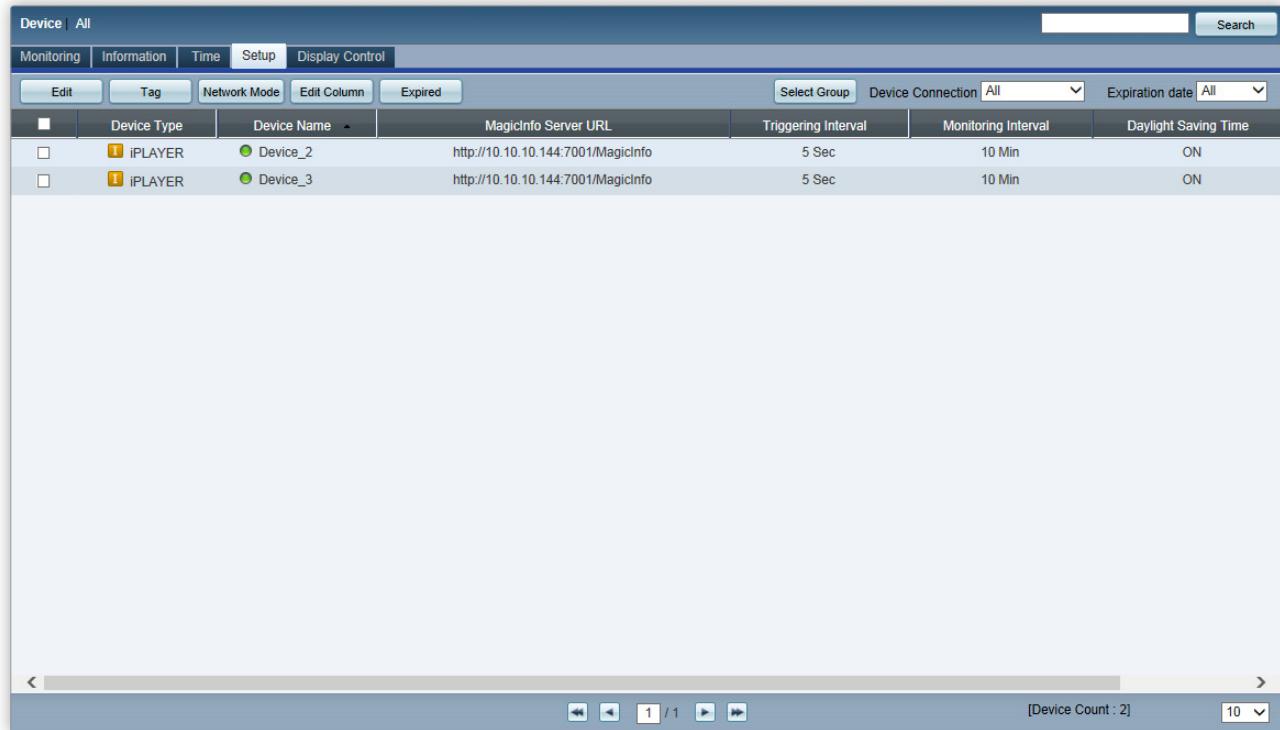


- 1 Set the holiday period for a device by entering months and days. Make sure the start day of a holiday is not later than the end date.
- 2 Click **Add** to add the specified holiday period to a list of holidays.
- 3 The added holiday can be found in the list. Click  to delete a holiday from the list.

Settings

View and change device settings.

Click the **Setting** tab to display a list of devices.



The screenshot shows a software interface for managing device settings. The top navigation bar includes tabs for 'Device | All', 'Monitoring', 'Information', 'Time', 'Setup' (which is selected), and 'Display Control'. Below the tabs is a toolbar with buttons for 'Edit', 'Tag', 'Network Mode', 'Edit Column', and 'Expired'. A search bar and a 'Search' button are located at the top right. The main content area is a table with the following data:

	Device Type	Device Name	MagicInfo Server URL	Triggering Interval	Monitoring Interval	Daylight Saving Time
<input type="checkbox"/>	iPLAYER	Device_2	http://10.10.10.144:7001/MagicInfo	5 Sec	10 Min	ON
<input type="checkbox"/>	iPLAYER	Device_3	http://10.10.10.144:7001/MagicInfo	5 Sec	10 Min	ON

At the bottom of the table are navigation buttons (back, forward, first, last, etc.) and a status message '[Device Count : 2]'. To the right is a dropdown menu set to '10'.

Viewing detailed device settings

To view detailed settings for a device, click a device from the list.



The screenshot shows the 'Device All' settings page with the following sections and data:

- Default Information:**
 - Device Name: Device_2
 - MAC Address: d0-66-7b-68-6d-e2
 - IP: 10.10.10.158
- Connection:**
 - MagicInfo Server URL: http://10.10.10.144:7001/MagicInfo
 - FTP Connection Mode: PASSIVE
 - Connection Time Limit: 30 Sec
 - Proxy Setting: Do not Use
- Period:**
 - Triggering Interval: 5 Sec
 - Monitoring Interval: 10 Min
 - Screen Capture Interval: 1 Min
 - System Restart Interval: Mon / 00:00
- Time Zone:**
 - Time Zone: (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London
 - Daylight Saving Time: On
- VNC:** (This section is mostly empty with a few small icons)

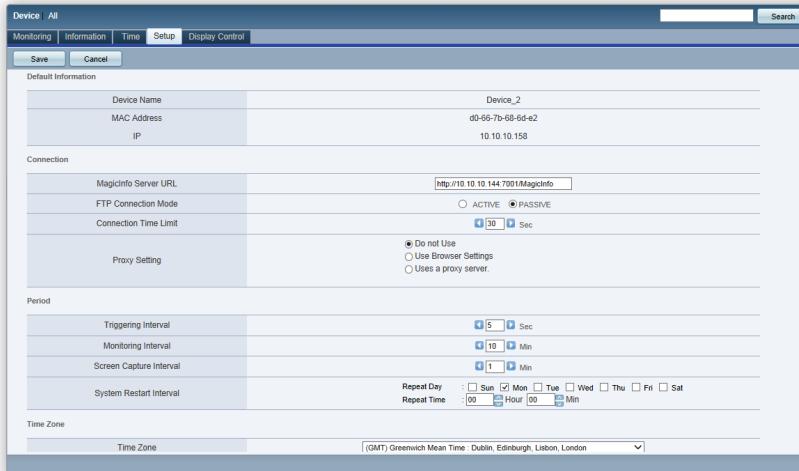
Device settings can be changed by clicking **Edit**.

Note

It is not possible to change the settings of a disconnected device.

Changing device settings

- 1 To change the settings of a device, select the device checkbox and click **Edit**.



The screenshot shows the 'Device All' settings page in 'Edit' mode for 'Device_2' with the following sections and data:

- Default Information:**
 - Device Name: Device_2
 - MAC Address: d0-66-7b-68-6d-e2
 - IP: 10.10.10.158
- Connection:**
 - MagicInfo Server URL: http://10.10.10.144:7001/MagicInfo
 - FTP Connection Mode: ACTIVE (radio button selected)
 - Connection Time Limit: 30 Sec
 - Proxy Setting:
 - Do not Use (radio button selected)
 - Use Browser Settings
 - Uses a proxy server
- Period:**
 - Triggering Interval: 5 Sec
 - Monitoring Interval: 10 Min
 - Screen Capture Interval: 1 Min
 - System Restart Interval: Repeat Day: Sun, Mon, Tue, Wed, Thu, Fri, Sat; Repeat Time: 00:00:00
- Time Zone:**
 - Time Zone: (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London

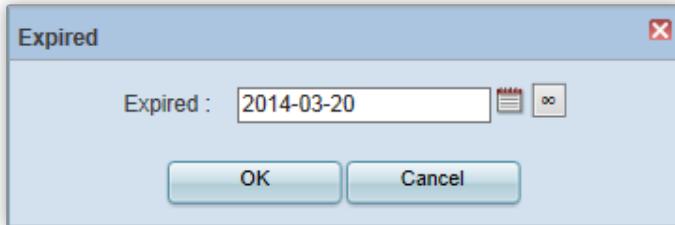
2 Change the settings as desired.

Device Name	View the model name.
Device ID	View the device ID.
IP	View the IP address.
MagicInfo Sever URL	Configure the server URL.
FTP Connection Mode	Configure the FTP connection mode.
Connection Time Limit	Set the maximum waiting time before disconnecting from the server if communication is not made with the FTP server for a specified period of time.
Proxy Setting	Enable or disable the proxy server. Edit the settings if required.
Triggering Interval	Specify the triggering cycle.
Monitoring Interval	Specify the monitoring cycle.
Screen Capture Interval	Specify the screen capture cycle. The range is 1 to 180 minutes.
System Restart Interval	Specify the device system restart cycle.
	Configure the time zone and daylight saving time settings.
Time Zone	<p> Note</p> <p>Daylight Saving Time, also known as Summer Time, is a system that advances clocks one hour forward in summer.</p>
Tunneling Server	Specify the tunneling server IP address.
VNC Password	To change the VNC password, select a device from the list. Next, click Change VNC Password from the detailed settings page.
Repository Path	Specify the location to save content files to.
Management Folder Path	Specify the location of the client management folder.
	Specify the log level, the log storage period and the storage space size for logs.
Log Management	<p> Note</p> <p>Content files are deleted automatically when the period has expired or the space is full.</p>
	Specify the period to keep content files saved on a computer. Specify the size of the space to keep content files.
Content file management	<p> Note</p> <p>Content files are deleted automatically when the period has expired or the space is full.</p>

	Specify the period to keep playback logs and the size of the space to keep logs.
Proof of Play Management	 Note Content files are deleted automatically when the period has expired or the space is full.
Auto IP set	Enable to automatically assign an IP when a device is connected.
Auto Computer name set	Enable to assign a computer name automatically when a device is connected.
Only Download Server	Download content from a download server only.
Download Server	Select a download server to download content from.
Maximum Available Storage Size	Specify the storage size for DataLink files.
Loading Interval to play	Set the time to load data from a DataLink server before the next content file on a schedule is played.
Play Waiting Time	Set the waiting time before the next content file plays. This applies to the case when the current content file does not play until data is loaded from the DataLink server.
Settings	Display or hide the content file download status.
Job Unit	Select a unit used to display the content file download status.
Interval	Specify the refresh interval.
Screen Rotation	Rotate the screen according to the device orientation (landscape or portrait).
Computer name	Specify the name of the computer where the server is installed.
Use MagicInfo Player	Enable to use MagicInfo Player on a device. Setting MagicInfo Player to FALSE disables the functions related to content files, content playback and schedules.
Reset Password	Reset the password of MagicInfo Player to the default. The default password is 000000.
Background Color	Specify the background color of the MagicInfo Player main page.

Changing the device expiration date

- 1 To change the expiration date for a device, select a device checkbox and click **Expired**.



- 2 To set the expiration date to a desired date, click .
 - To use the device continually without an expiration date, click .

Assigning a tag to a device

Assign a tag to a device. This allows the device to selectively display information or play content files in a playlist or DLK element that have the same tag.

- 1 To assign a tag to a device, select a device checkbox and click **Tag**.
- 2 Select the desired tag checkbox, and click **OK**.

Note

To assign a tag to a device, first make sure to add the tag to the server. Refer to the following for further details on adding or editing tags. [▶ Managing tags](#)

Enabling network mode

Switch from local mode for a schedule playing on MagicInfo Player S to server mode, and play the schedule in the new mode. To enable network mode, select a device checkbox and then click **Network Mode**.

Download server settings

Reduce work load on the main server by mapping a download server to a device.

Note

For further details on download servers, refer to the following: [► Managing the download server](#)

- 1 To configure download server settings for a device, select a device checkbox and click **Edit**.
- 2 Configure settings as desired.



1 Select **TRUE** if you want to allow a download server to only be accessible when downloading content on a device.

- **FALSE** is selected by default.

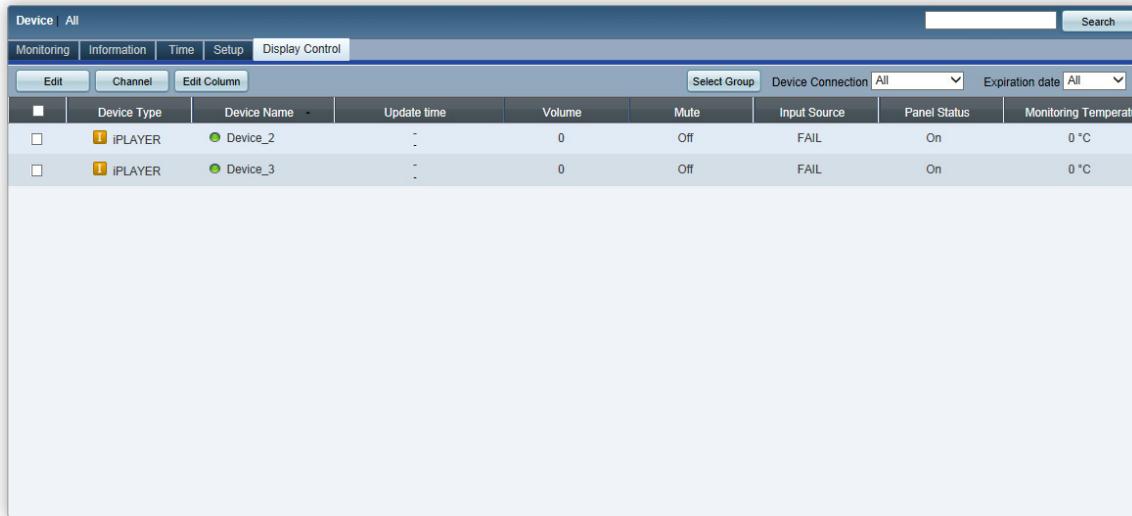
2 To map a download server to a device, select a desired device checkbox.

3 After configuring the required settings, click **Save**.

Display Control

Control display settings.

Click the **Display Control** tab to display a list of devices.



The screenshot shows a software interface titled 'Device | All'. The 'Display Control' tab is selected. At the top, there are buttons for 'Edit', 'Channel', and 'Edit Column'. Below these are dropdown menus for 'Select Group', 'Device Connection' (set to 'All'), and 'Expiration date' (set to 'All'). The main area is a table with the following columns: Device Type, Device Name, Update time, Volume, Mute, Input Source, Panel Status, and Monitoring Temperature. There are two entries: 'Device_2' and 'Device_3', both of which are 'iPLAYER' type. Both devices have a volume of 0, are muted off, and have an input source of 'FAIL'. Their panel status is 'On' and their monitoring temperature is '0 °C'.

Viewing display control information

To view display control information for a device, click a device from the list.



The screenshot shows the 'Current Status' tab for the 'Device_2' entry. The interface is titled 'Device | All' and includes tabs for 'Edit' and 'Current Status'. The 'Current Status' tab is active. The page is divided into sections: 'Default Information' and 'General'. In 'Default Information', the device name is 'Device_2', MAC address is 'd0-66-7b-68-6d-e2', IP is '10.10.10.158', and update time is listed. In the 'General' section, various parameters are listed with their current values: Power (On), Panel Status (On), Input Source (FAIL), Volume (0), Mute (Off), Safety Lock (Unlocked), Remote Control (Disable), Panel Lock (Unlocked), OSD (Disable), All Keys Lock (Unlocked), Monitoring Temperature (0 °C), Alarm Occurrence Temperature (0 °C), and Panel On Time (not explicitly listed with a value).

- To refresh the current device status, click **Current Status**.
- To change the display control settings, click **Edit**.

Controlling a display

1 To control a device display, select the device checkbox and click **Edit**.

To edit detailed settings, click **View More**.

Device | All

Monitoring | Information | Time | Setup | Display Control

Save | Cancel

IP	10.10.10.158
Update time	A moment ago (2014-03-01 13:55)
General	
Power	Off <input type="checkbox"/>
Panel Status	<input checked="" type="radio"/> On <input type="radio"/> Off
Input Source	MagicInfo <input type="button" value="▼"/>
Volume	<input type="button" value="0"/>
Mute	<input type="radio"/> On <input checked="" type="radio"/> Off
Safety Lock	<input type="radio"/> Lock <input checked="" type="radio"/> Unlocked
Remote Control	<input checked="" type="radio"/> Setting <input type="radio"/> Disable
Panel Lock	<input type="radio"/> Lock <input checked="" type="radio"/> Unlocked
OSD	<input checked="" type="radio"/> Setting <input type="radio"/> Disable
All Keys Lock	<input type="radio"/> Lock <input checked="" type="radio"/> Unlocked
Monitoring Temperature	52 °C
Alarm Occurrence Temperature	<input type="button" value="77"/> °C
Panel On Time	4332 Hour

View More

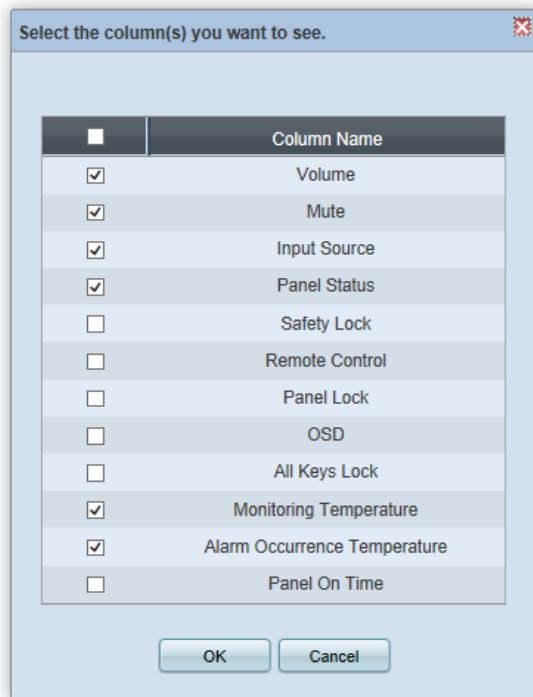
2 Configure the items to control and click **Save**.

Note

- It is not possible to change the settings if a device is turned off or disconnected.
- Functions that can be controlled may vary depending on the input source.

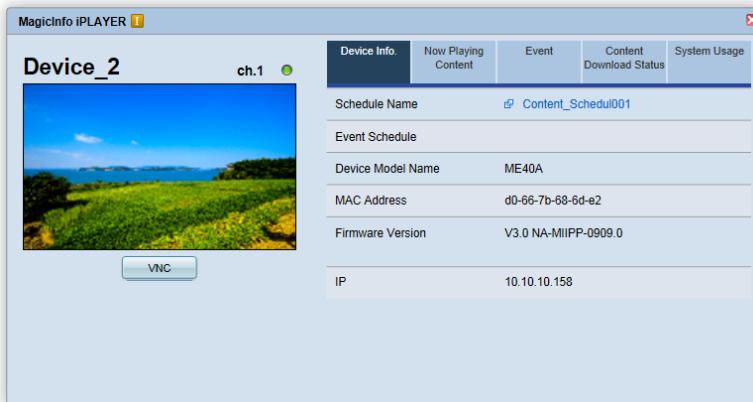
Displaying/hiding items

To select items to display on the device list, click **Edit Column**.



Viewing UI connectivity of a device

- 1 To view schedules mapped to a device or information about playing content, click the **Monitoring** tab and then click a device from the list.

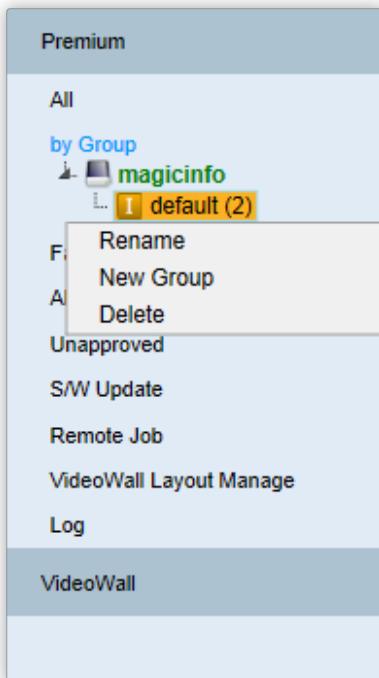


- 2 To view a list of schedules mapped to a device, click the **Device Info.** tab and then click  from Schedule Name.
 - Click a mapped schedule name to edit the schedule, if required. Refer to the following for further details on editing schedules. [► Editing a content file schedule](#)
- 3 To view a list of content files playing on a device, click the **Now Playing Content** tab and then click  from Content Name.
 - Click a playing content file name to edit the content file details, if required. Refer to the following for further details on editing content. [► Editing a content file](#)
- 4 To view a list of content files that have been downloaded on a device, click the **Content Download Status** tab and then click  from Content Name.
 - Click a downloaded content file name to edit the content file details, if required. For further details on editing a content file, refer to the following: [► Editing a content file](#)

Group management

Group creation and management

- 1 To manage groups, click **by Group**.
- 2 Select a group and right-click on the mouse.



Rename	Rename the selected group.
New Group	Create groups if required. If you have selected a previously created group, it is possible to create a sub-group.
Delete	Delete the selected group.

- 3 To move a group, drag the group from **by Group** to a desired location.

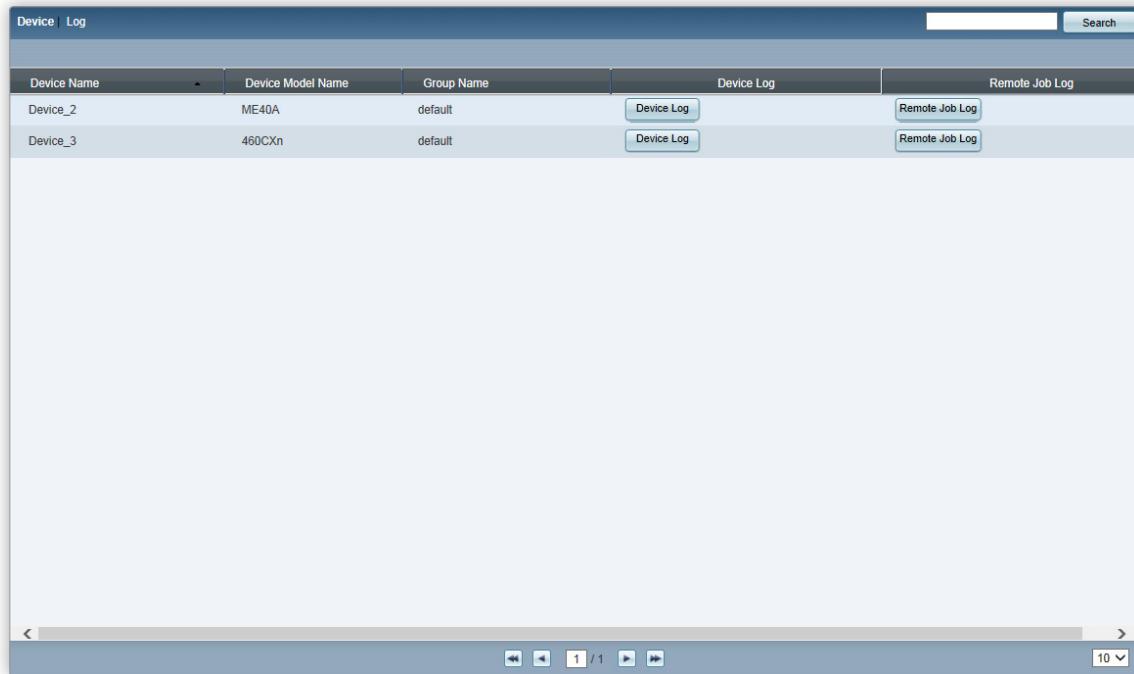
Note

Moving a group that has sub-groups will move all the sub-groups together maintaining the group hierarchy.

Logs

View device logs and remote task logs by device. Efficiently manage device history by viewing the history of using devices and performing remote tasks.

To view a list of device logs, click **Log** and select a log type.



The screenshot shows a software interface titled 'Device Log'. At the top, there is a search bar and a 'Search' button. Below the search bar is a table with the following columns: 'Device Name', 'Device Model Name', 'Group Name', 'Device Log', and 'Remote Job Log'. Two rows of data are visible:

Device Name	Device Model Name	Group Name	Device Log	Remote Job Log
Device_2	ME40A	default	Device Log	Remote Job Log
Device_3	460CXn	default	Device Log	Remote Job Log

At the bottom of the interface, there is a navigation bar with icons for back, forward, and search, followed by a page number '1 / 1' and a dropdown menu for page size '10'.

- **Device Log:** View a log of device events.
- **Remote Job Log:** View a log of remote task events.

Note

Export retrieved statistics as an Excel or PDF file by clicking **Export**.

Errors and alarms

Check critical errors and alarms that impact system operation. View and change the error status. Make sure to manage errors and alarms immediately to ensure proper system operation.

Checking errors

To view critical device errors and details that may disrupt normal system operation, click **Fault**.



Device Name	View the name of a device with an error.
Device Model Name	View the model name of a device with an error.
Fault	<p>View the error type.</p> <ul style="list-style-type: none"> Errors such as a lamp error, brightness sensor error and device fan malfunction are displayed.
After-Sales-Service Status	View the status of the processing of a device error.
Event Occurrence Date	View the date when an error occurred.
Error processing	Update the status of the administrator's processing of a device error by selecting Receive , Process , or Completed .

Error processing

After checking the device with an error, the administrator can click **Receive** to update the processing status.

- If the process to resolve a device error is being performed, click **Process** to update the error processing status.
- After a device error has been resolved, click **Completed** to update the error processing status.
- If another error occurs on a device that has already been resolved, click **Rollback** to change the device error status to **Occurrence**.

Error notification

1 To notify a user of a device error through e-mail, click **Notification** from the list of devices with errors.



2 Select an item (error or alarm) to be notified to a user and click **OK**.

Note

To notify users of errors and alarms, first make sure the SMTP server settings are configured. Refer to the following for further details. [▶ Changing a user role](#)

Exporting a list of errors

To export a list of devices with errors as an Excel or PDF file, select **Export** from the list of devices with errors.

Viewing alarm details

Click **Alarm** to view details of an alarm such as the name and model of the device that generated the alarm, and the type, level and date of the alarm.

Alarm notification

- 1 To notify a user of a device alarm through e-mail, click **Notification** from the list of devices with alarms.



- 2 Select an item (error or alarm) to be notified to a user and click **OK**.

Exporting a list of alarms

To export a list of devices with alarms as an Excel or PDF file, click **Export** from the list of devices with alarms.

Approval

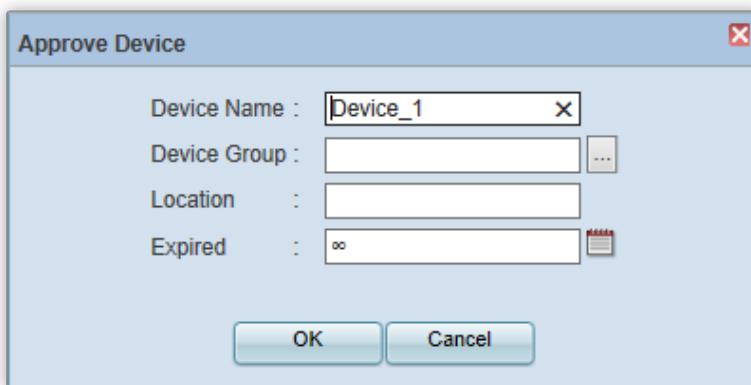
View and authorize devices connected to the server that are not authorized.

Authorizing devices

- 1 Click **Unapproved**. Display a list of devices not approved.

Device Unapproved								
Approve		Delete		Search Device				
	Device Type	Device Type Ver	MAC Address	IP	Registered	Device Name	Device Model Name	Approval
<input type="checkbox"/>	iPLAYER	2.0	00-12-fb-03-48-67	10.10.11.222	about 46 minutes ag (2014-03-01 13:22)	Device_1	460CXn	Approval

- 2 Select a device and click **Approve**. A window appears where a device can be authorized.



- 3 Specify the name, group, location and expiration date. Click **OK**. The device has been authorized.

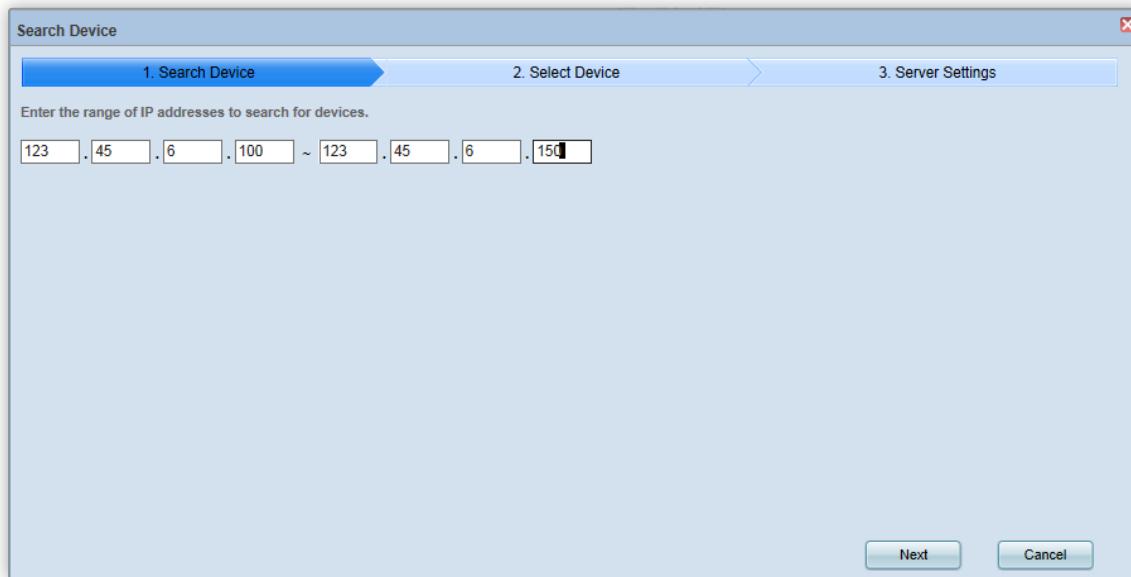
Note

- To delete an unauthorized device without authorizing it, select the device and click **Delete**.
- To authorize multiple devices of the same model, select devices and click **Approve**. To enter representative names of the devices, save the device names in the "representative name_(sequence number)" format.

Finding devices

Find devices on the same network as the server that are not added to the server.

- 1 Click **Search Device** from the list of unauthorized devices.



- 2 Specify the IP address range of the device to find and click **Next**.
- 3 Select the desired device checkbox and click **Next**.
- 4 Enter the MagicInfo Server information and click **Save**. The device is displayed on the list of unauthorized devices.

Note

The maximum IP search range is 50.

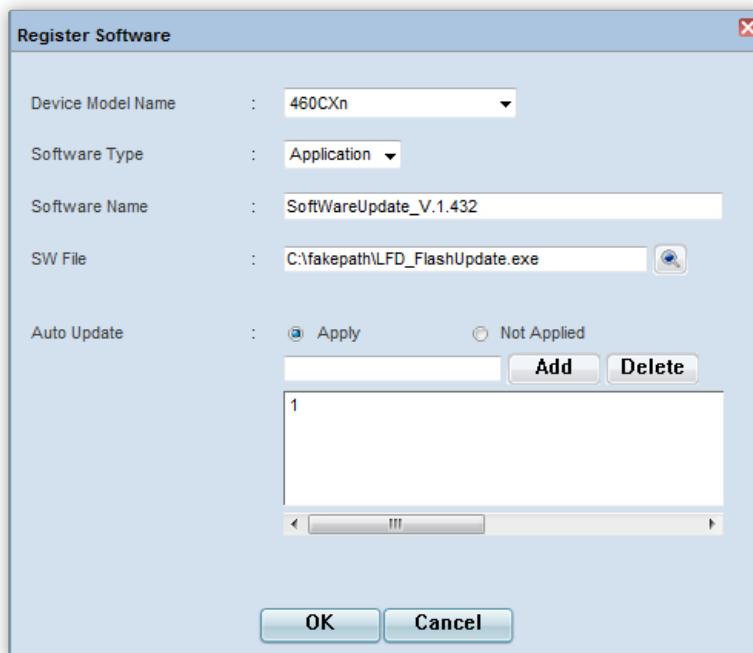
S/W update

Using MagicInfo Server, distribute software updates on MagicInfo Player at a scheduled time.

Registering software

To update software installed on a device connected to MagicInfo Server, register the software on the server first.

- 1 To register software on the server, click **S/W Update > View Software Reg. & Deployment > Register** and then select a device type.

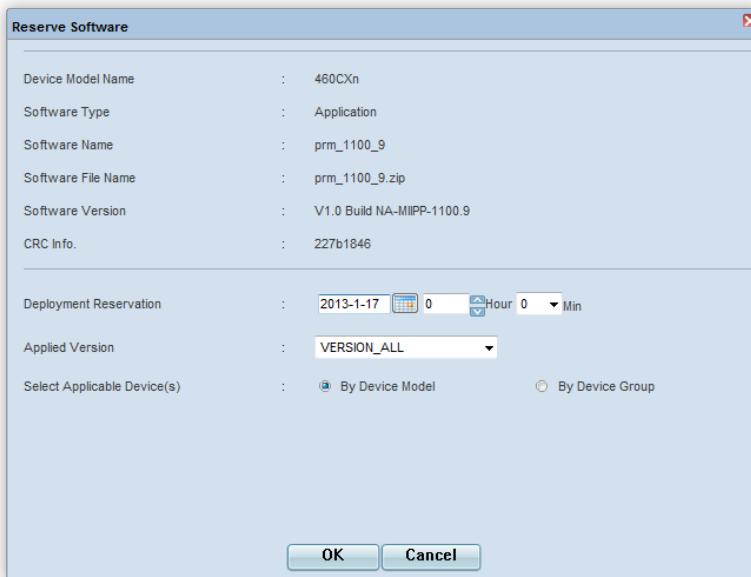


Device Model Name	Select the name of the device requiring a software update from the dropdown list. Ensure the device is connected to the server.
Software Type	Select Application .
Software Name	Enter the name of the software to update on the device.
SW File	To select a software file, click  .

- 2 Enter information about the software to update and click **OK**.

Distributing software

- 1 To distribute software registered on the server, click **S/W Update > View Software Reg. & Deployment**.
- 2 Select the software to distribute and click **Deploy**.



Device Model Name	View device model information configured at the time of software registration.
Software Type	View software type information configured at the time of software registration.
Software Name	View the software name entered at the time of software registration.
Software File Name	View the update file name selected at the time of software registration.
Software Version	View the software version entered at the time of software registration.
CRC Info.	View CRC information.
Deployment Reservation	Click to specify the date to distribute software.
Applied Version	Select the software version to update from the dropdown list.
Select Applicable Device(s)	Select devices to update software on by model or group.

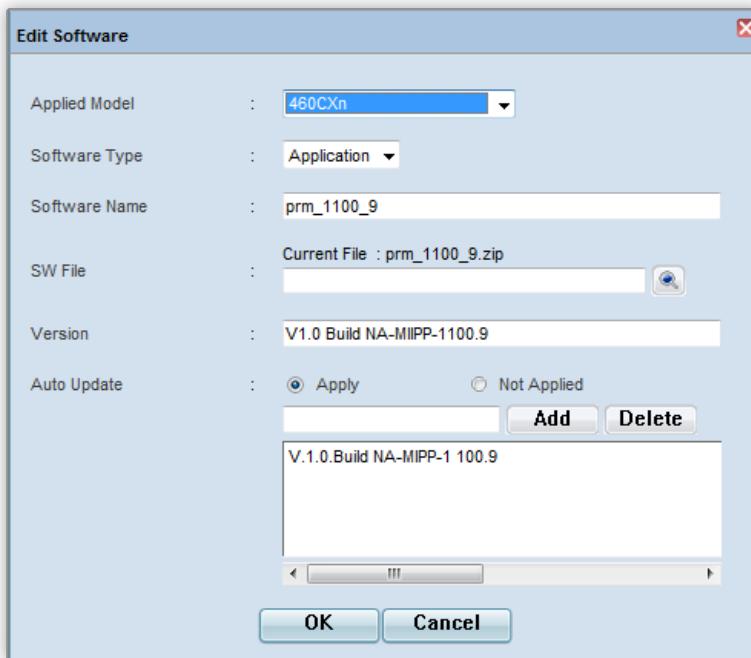
- 3 After configuring the required settings to distribute software at a specified time, click **OK**. The scheduling is complete.

Note

- Cyclic Redundancy Check (CRC) is used to detect errors and verify data integrity in serial transmissions.
- If the time set for a scheduled software distribution precedes the current time, distribution takes place immediately upon scheduling.
- To view the version of software installed on the current device, click the device on the list.

Editing software

- 1 To edit information about software registered on the server, click **S/W Update > View Software Reg. & Deployment**.
- 2 Select the software to edit and click **Edit**.



Device Model Name	Select the name of the device requiring a software update from the dropdown list. Ensure the device is connected to the server.
Software Type	Select Application .
Software Name	Enter the name of the software to update on the device.
SW File	To select a software file, click  .
Auto Update	<p>Select Apply to update software automatically every time a device is connected to MagicInfo Server.</p> <ul style="list-style-type: none"> Enter the version of the software to update and click Add to add the entered software version.

Deleting software

- 1 To delete software from the server, select **S/W Update > View Software Reg. & Deployment**.
- 2 Select the software to delete and click **Delete**.

Viewing the software deployment status

After registering software and then deploying the software to a device, click **S/W Update > Applied Status** to confirm that the software has been deployed successfully.

Remote control

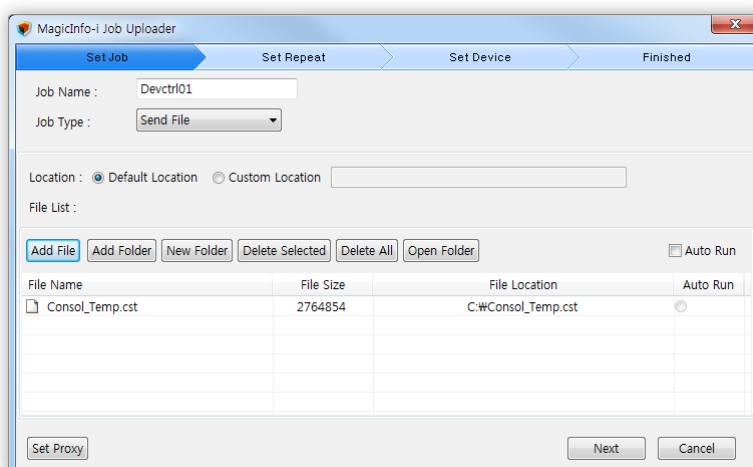
Control devices and process data from a remote location.

Note

MagicInfo Player S does not support the remote task feature.

Adding a remote task

- 1 Click **Remote Job > Add**. A window appears where a remote task can be configured.



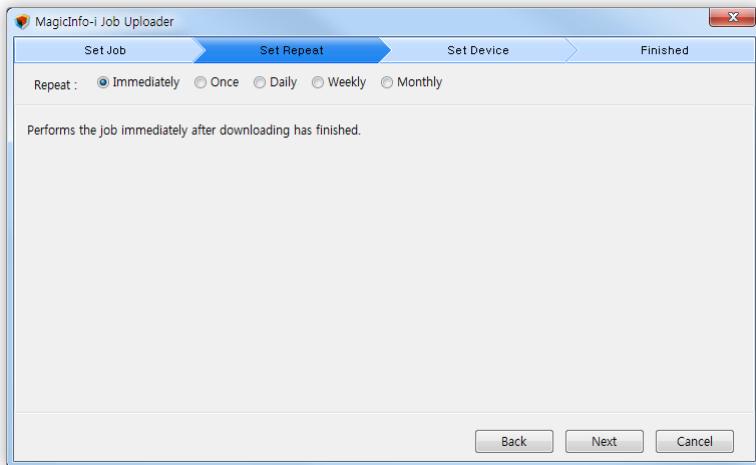
2 Enter a task name and select a task type.

Send File	Send a file or folder saved on a local PC to a device or device group. <ul style="list-style-type: none"> ▪ Auto Run: Configure the settings to execute the selected file automatically upon transmission. ▪ Location: Specify the default location or custom location. The default location is D:\Repository\JobFile. To specify the custom location, enter a path on the local PC.
Get File	Import a file or folder to the local PC from a device connected to the server. <ul style="list-style-type: none"> ▪ File Location: Enter the path of the file to import.
Delete File/Folder	Delete a file or folder on a device connected to the server. <ul style="list-style-type: none"> ▪ File/Folder Location: Enter the path of the file or folder to delete.
Restart	Restart the MagicInfo Player I program or the system on a device connected to the server. <ul style="list-style-type: none"> ▪ Reboot Target: Select Player or System.
Service Management	Manage services supported on a device. <ul style="list-style-type: none"> ▪ Service Name: Enter the name of a service. ▪ Command Type: Select a service command type.
Launch Command	Enter and execute a command (CMD) used on a computer. <ul style="list-style-type: none"> ▪ This function may not work properly if the command entered does not exist.
Kill Process	End a process running on a device by entering the process name.
Close Window	Enter the name of a window open on a device to close it. <ul style="list-style-type: none"> ▪ If multiple windows with the same name are open, a random window is selected and then closed. ▪ Make sure to enter the entire name displayed at the top of a window.
Get Log File	Import a log file to the local PC from a device.

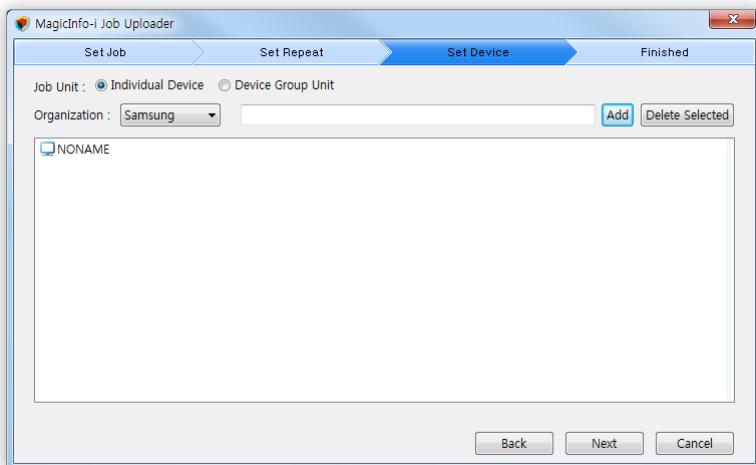
Note

When entering a file or folder location, enter the exact path and file name.

3 Configure the settings according to the selected task type and click **Next**.



4 Set the remote task repeat interval and click **Next**.



5 Select a device to perform the remote task on.

Individual Device	Select a single device.
Device Group Unit	Select all devices in a group.

6 Click **Next** to proceed. The remote task has been added and registered on the server.

Reusing remote tasks

Reuse a remote task that is already configured. This can save time when performing the same task again.

- 1 Select the remote task to reuse and click **Reuse**.
- 2 The following procedure is identical to the remote task adding procedure.

Editing remote tasks

- 1 Select the remote task to edit and click **Edit**.
- 2 The following procedure is identical to the remote task adding procedure.

Canceling remote tasks

To cancel a scheduled remote task, select a remote task from the list and click **Cancel**.

Using videowall layouts

Use multiple devices as a single large display by configuring videowall layout settings.

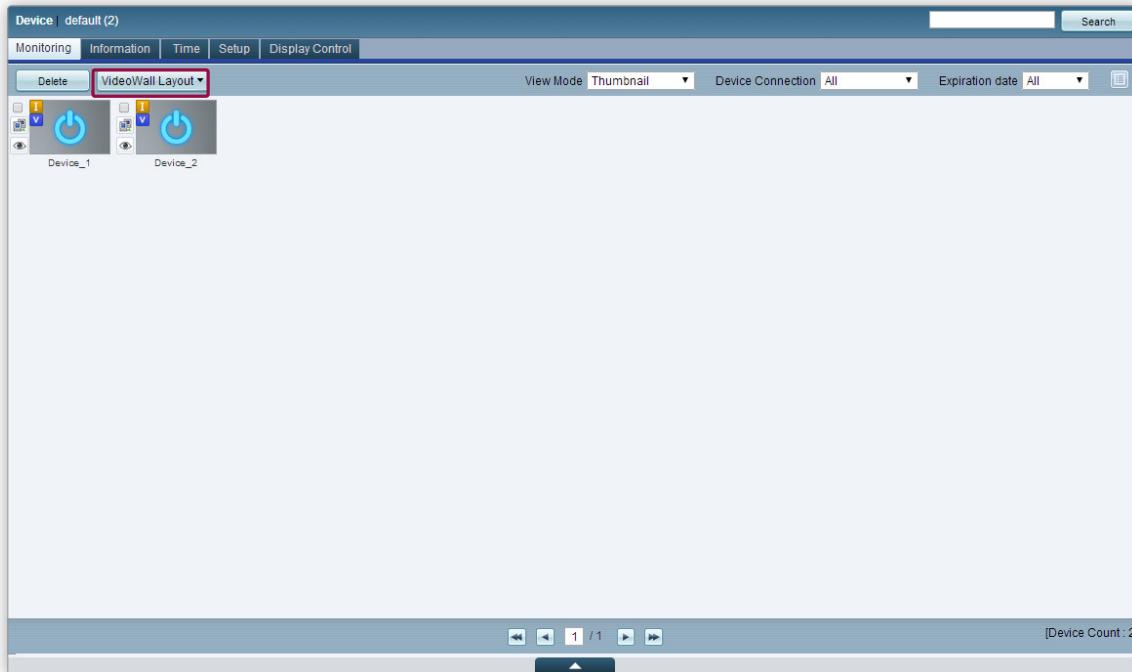
Configuring videowall layouts

Select a device group from **by Group** and then click the **Monitoring** tab.

- The **VideoWall Layout** menu appears.

Note

- A videowall layout can only consist of devices that have the same type of player (Player I/Player S) installed.
- The VideoWall Layout menu appears when a device group consisting of the same type of player is displayed in device group view mode.



Applying videowall layouts

Configure videowall layouts and distribute the layouts to the server.

- 1 Go to **VideoWall Layout > Setting**, and then select a desired menu item.
 - To create a new videowall layout, click **New**.
 - To use a previously created videowall layout, click **Open** and select a layout from the select layout window.
- 2 When Layout Editor starts, configure a videowall layout as desired and then distribute the layout to the server.
 - The configured videowall layout is applied to devices under the corresponding group.
 - Devices belonging to a group that has a videowall layout applied are indicated by

Note

- The **VideoWall Layout** menu is available when all devices under the selected device group are connected to the server.
- Refer to the following for details on how to configure and distribute videowall layouts to the server using Layout Editor. [▶ Using Layout Editor](#)

Viewing the current videowall layout

View the current videowall layout applied to a device group, using a virtual screen.

- 1 Click **VideoWall Layout > Preview**.
 - Each device screen with the videowall layout applied is shown.
 - Each device screen displays main information about the device. Click a device screen if you want to view detailed information about the device or remotely access the device.
- 2 After viewing the videowall layout, click **Close**.

Canceling a videowall layout

To cancel the current videowall layout of a device group, click **VideoWall Layout > Cancel**.

- The videowall layout is canceled, and the  mark disappears on the device list.

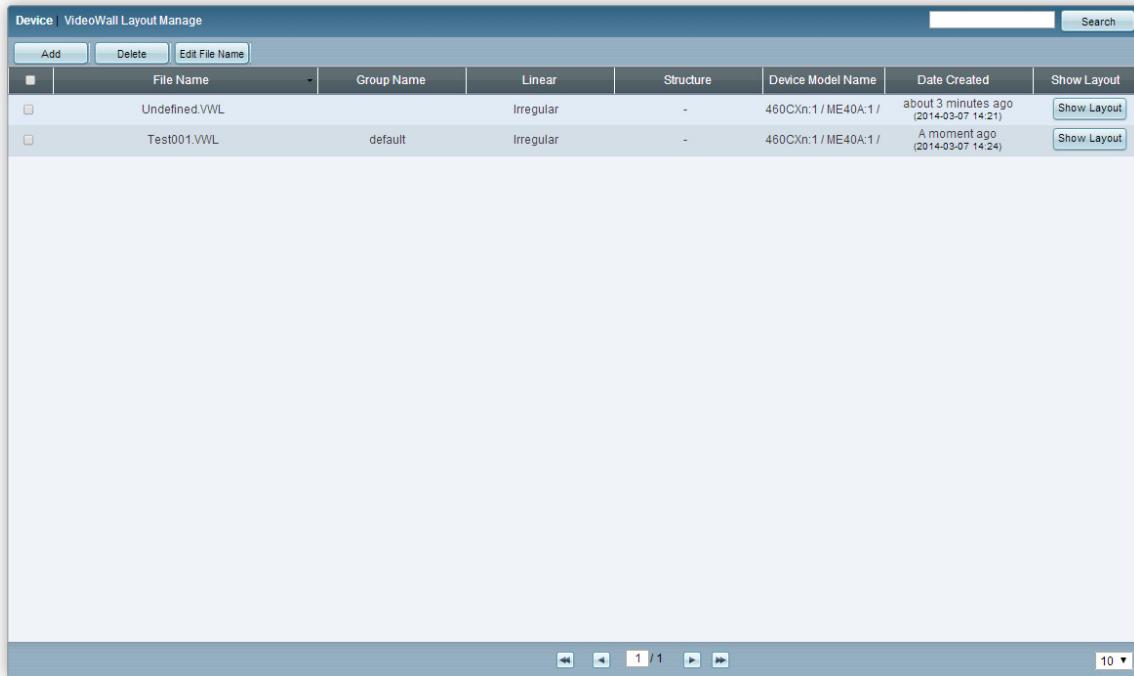
Downloading a videowall layout file

Download a videowall layout to your computer.

- 1 Click **VideoWall Layout > Setting > Open**.
- 2 The select videowall layout window appears. Select a layout, and then click **Download**.
- 3 Specify the destination folder to download the file, and then save the file.

Managing videowall layouts

Manage videowall layouts that were created from Layout Editor and then distributed to the server.



The screenshot shows a software interface titled 'Device | VideoWall Layout Manage'. At the top, there are buttons for 'Add', 'Delete', and 'Edit File Name', along with a 'Search' bar. The main area is a table with the following data:

	File Name	Group Name	Linear	Structure	Device Model Name	Date Created	Show Layout
<input type="checkbox"/>	Undefined.VWL		Irregular	-	460CXn:1 / ME40A:1 /	about 3 minutes ago (2014-03-07 14:21)	Show Layout
<input type="checkbox"/>	Test001.VWL	default	Irregular	-	460CXn:1 / ME40A:1 /	A moment ago (2014-03-07 14:24)	Show Layout

At the bottom of the interface, there are navigation buttons (back, forward, search) and a page number indicator '1 / 1'. To the right, there is a dropdown menu with the number '10'.

Registering videowall layouts

Register videowall layouts saved on your PC to the server.

- 1 Click **VideoWall Layout Manage > Add**.
- 2 Click  to specify the file to upload, and then click **OK** from the file upload window.
 - The selected videowall layout is registered on the server.

Deleting videowall layouts

- 1 Select a file to delete from the videowall layout list and click **Delete**.
- 2 A prompt appears asking if you want to delete. Click **OK**.
 - The selected videowall layout is deleted from the server.

Editing videowall layout file names

- 1 Select a videowall layout file to rename.
- 2 Click **Edit File Name**.
- 3 When the file name edit window appears, enter a new name and click **OK**.
 - The selected file name on the videowall layout list is updated.

Using Layout Editor

Configure videowall layouts using Layout Editor.

Note

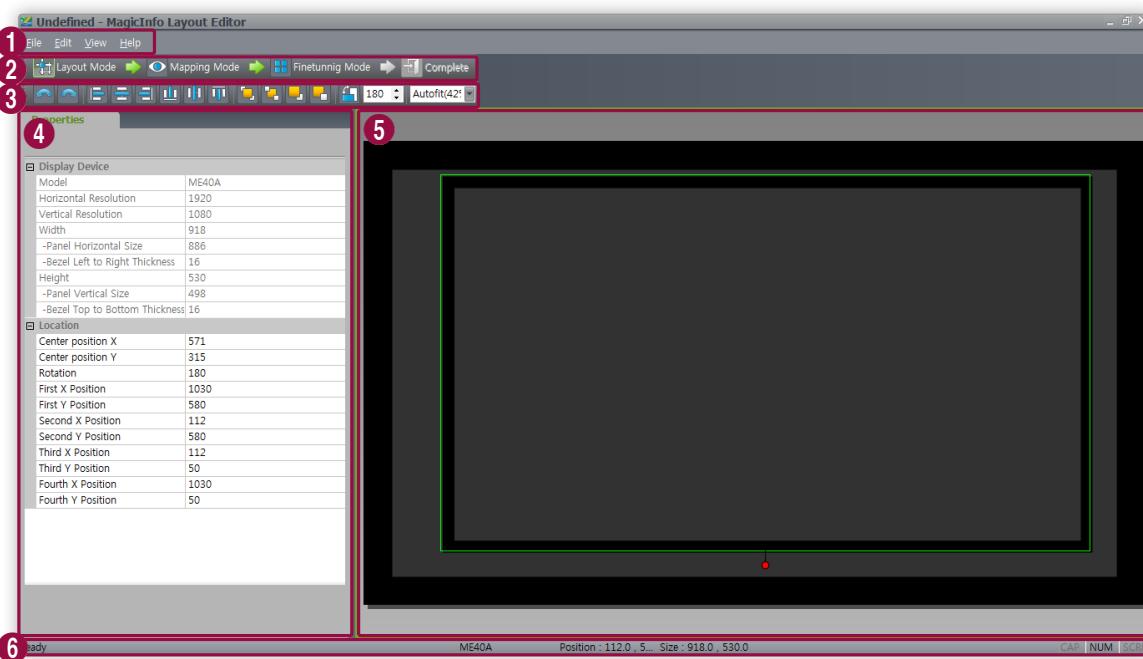
For details on how to run Layout Editor, refer to the following: [▶ Configuring videowall layouts](#)

About Layout Editor

Main page

Running Layout Editor displays the main page as shown below.

- Selecting a new videowall layout from the server and then running Layout Editor opens the Layout setting window. Refer to the following for further details on configuring videowall layouts. [▶ Layout settings](#)



1 This is the menu bar. Clicking a menu item displays sub-menu items.

2 This is the action bar. Four steps to configure a videowall layout are displayed.

3 This is the toolbar. Available tools for the step selected in the action bar are displayed.

View and configure properties of the element (section or device) selected in the edit section on the right.

4  Note

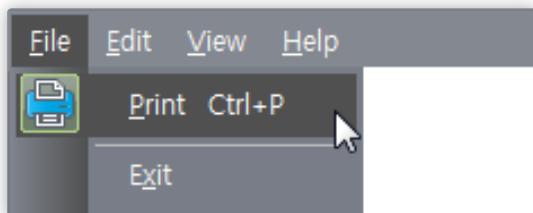
In Layout Editor, devices under a group are recognized as a single section.

5 This is the edit section where a videowall layout can be configured. Virtual screen for a device under the selected device group is displayed.

6 Status information such as location and size about the element selected in the edit section is displayed.

Using the menu bar

Menu items that belong to the step selected in the action bar are only enabled.



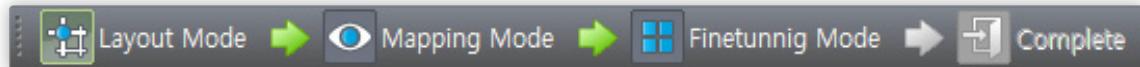
File	<ul style="list-style-type: none"> ▪ Print: Print a videowall layout after configuring print settings. ▪ Exit: Close the program. <p>If Complete mode has activated after videowall layout configuration, a prompt will appear asking if you want to distribute the layout to the server before closing the program. If Complete mode is not active, a prompt confirming that the program closes will appear.</p>
Edit	<ul style="list-style-type: none"> ▪ Align: Specify the criterion to align devices in the edit section. Refer to the following for further details. ► Aligning devices ▪ Order: Specify the arrangement order of devices in the edit section. Refer to the following for further details. ► Arranging devices
View	<ul style="list-style-type: none"> ▪ Position Infomation: Display or hide information about the location of the device selected in the edit section. ▪ Grid Settings: Configure grid settings for the edit section. Tap the menu item and then configure the following settings from the detailed settings window. <ul style="list-style-type: none"> – Snap Object to Grid: Move a device using the ruler. – Snap Object to Another Object: Move the selected device based on another device. – Show Grid: Display rulers in the edit section. – Interval: Specify the ruler interval in millimeters. Available options include 10mm, 20mm, 50mm, 100mm, 200mm, 500mm and 1,000mm.
Help	About Software: View the program version and license information.

Using the action bar

The action bar consists of four menu items which correspond to the four steps used to configure a videowall layout. Available menu items in the menu bar and toolbar may vary depending on the menu item selected in the action bar.

Note

- Refer to the following for details on how to configure a videowall layout: [► Making a videowall layout](#)



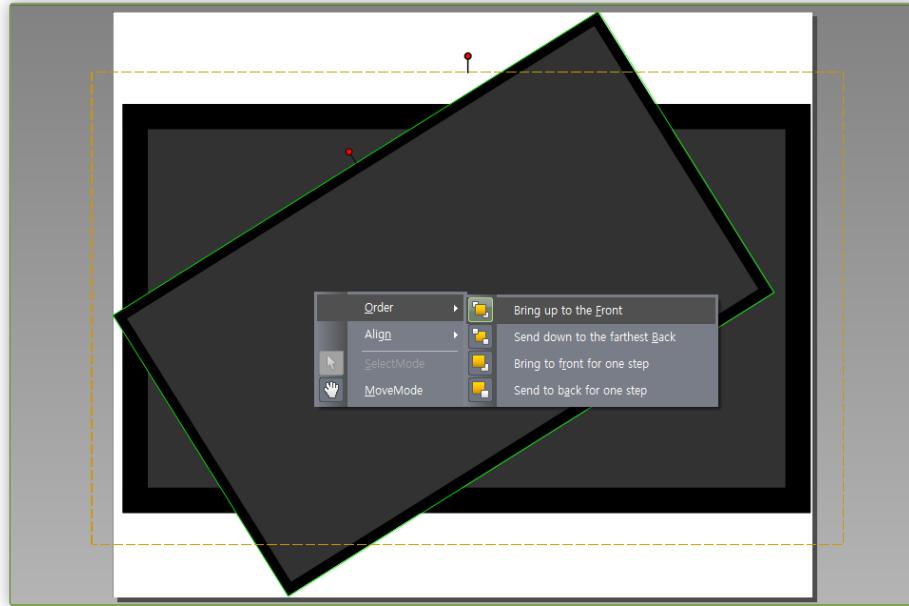
Using the toolbar

Available tools for the step selected in the action bar are displayed. The undo/redo ( / ) and zoom ( Autofit(42° ) tools are available in all steps.



Using the quick edit menu

Right-click in the edit section to display the quick edit menu items. The displayed quick edit menu items may vary depending on the clicked location.

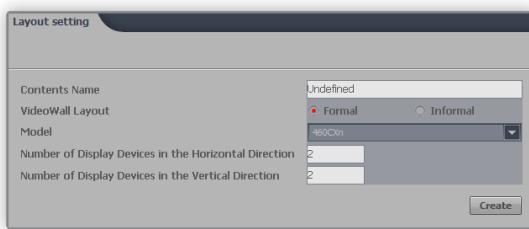


Making a videowall layout

Layout settings

Selecting a new videowall layout from the server and then running Layout Editor opens the Layout setting window. Configure basic layout settings from the window, and then click **Create**.

- A videowall layout is created in the edit section, and layout mode activates.
- Using a previously created videowall layout will start Layout Mode without displaying the **Layout setting** window.



Contents Name	Enter a new videowall layout name.
VideoWall Layout	Select a videowall layout. This option is available when the device group consists of devices of the same model. <ul style="list-style-type: none"> ▪ Formal: Arrange devices in formal mode using a predefined matrix such as 2x2 and 3x4. ▪ Informal: Customize the arrangement of devices to suit your preferences.
Model	The type of devices that will form a videowall layout is shown.
Number of Display Devices in the Horizontal Direction	The number of horizontal devices in a videowall layout is shown.
Number of Display Devices in the Vertical Direction	The number of vertical devices in a videowall layout is shown.

Configuring a layout

Configure a videowall layout as desired using **Layout Mode**.

Note

Under formal videowall layout mode, a predefined layout is read-only and cannot be edited.

Aligning devices

1 Select a device from the edit section.

2 Align devices using one of the following options:

Option 1 Click **Edit > Align** on the menu bar, and then select an alignment mode.

Option 2 Right-click on a device in the edit section and select **Align**. Next, specify the alignment mode.

Option 3 Click the desired alignment icon () from the toolbar.

Arranging devices

1 Select a device from the edit section.

2 Arrange devices using one of the following options:

Option 1 Click **Edit > Order** from the menu bar, and then select an arrangement order.

Option 2 Right-click on a device in the edit section and select **Order**. Next, specify the arrangement order.

Option 3 Click the desired arrangement order icon () from the toolbar.

Configuring section properties

Note

In Layout Editor, devices under a device group are recognized as a single section.

- 1 Select a section from the edit section.

Note

To select a section, click on empty area other than the virtual device screen in the edit section and then click a device.

- 2 When detailed section information appears in the **Properties** tab, change information about the section location (rotation angle) as desired.

- **X Position, Y Position:** Horizontal and vertical locations of a section are shown.

Note

X and Y values are read only and cannot be edited.

- **Rotation:** Specify the arrangement angle for a section. Drag the scroll bar left or right to specify the angle.

Location

Note

Alternative ways to specify the rotation angle are as follows:

- Select a section from the edit section, and then click and move the displayed  until a desired angle is reached.
- Select a section from the edit section, and then specify the rotation angle using the angle setting tool ( 90 ) on the toolbar.
- Select a section from the edit section, and then click  on the toolbar to rotate the section. The section will rotate by 90 degrees each time the icon is clicked.

Configuring device properties

- 1 Select a device from the edit section.
- 2 When detailed information about the selected device appears in the **Properties** tab, configure information about the device location as desired.

Display Device	<p>Display device information is read only and cannot be edited.</p> <ul style="list-style-type: none"> ▪ Model: A device model name is shown. ▪ Horizontal Resolution: The horizontal resolution for a device is shown. ▪ Vertical Resolution: The vertical resolution for a device is shown. ▪ Width: The area of a device is shown. <ul style="list-style-type: none"> – Panel Horizontal Size: Device width is shown. The bezel thickness is excluded from the width. – Bezel Top to Bottom Thickness: The bezel thickness on the left and right edges of a device is shown. ▪ Height: Device height is shown. <ul style="list-style-type: none"> – Panel Vertical Size: The bezel thickness is excluded from the height. – Bezel Left to Right Thickness: The bezel thickness on the top and bottom of a device is shown.
Location	<p>Configure information about a device location.</p> <ul style="list-style-type: none"> ▪ Center position X: Specify the horizontal location for the center of a device. Enter a location value. The device location will change. ▪ Center position Y: Specify the vertical location for the center of a device. Enter a location value. The device location will change. ▪ Rotation: Specify the arrangement angle for a device. Drag the scroll bar left or right to specify the angle. <p> Note</p> <p>Alternative ways to specify the rotation angle are as follows:</p> <ul style="list-style-type: none"> • Select a device from the edit section, and then click and move the displayed  until a desired angle is reached. • Select a device from the edit section, and then specify the rotation angle using the angle setting tool  on the toolbar. • Select a device from the edit section, and then click  on the toolbar to rotate the device. The device will rotate by 90 degrees each time the icon is clicked.

- **First X Position:** Specify the horizontal location for the top left of a device.
- **First Y Position:** Specify the vertical location for the top left of a device.
- **Second X Position:** Specify the horizontal location for the top right of a device.
- **Second Y Position:** Specify the vertical location for the top right of a device.
- **Third X Position:** Specify the horizontal location for the bottom right of a device.
- **Third Y Position:** Specify the vertical location for the bottom right of a device.
- **Fourth X Position:** Specify the horizontal location for the bottom left of a device.
- **Fourth Y Position:** Specify the vertical location for the bottom left of a device.

Location **Note**

A device location can also be configured by dragging the device to a desired location in the edit section.

Mapping devices

After configuring the required settings in **Layout Mode**, click **Mapping Mode**.

An ID appears on the actual device screen as soon as **Mapping Mode** activates. Using the ID, control the virtual device in the edit section in interaction with the actual device.

 **Note**

Device IDs are assigned according to the number of devices that form a device group. For example, if a device group has ten devices, different IDs are displayed on each device in the range 01–10.

- 1 Select a device from the edit section.
- 2 When detailed information about the selected device appears in the **Properties** tab, enter the ID found on the actual device.
 - The ID will be displayed on the device screen in the edit section.

 **Note**

- To display or hide the device ID on an actual device screen, click  /  on the toolbar.
- To reset the ID assigned to a device in the edit section, click  on the toolbar.

Finely adjusting layouts

After configuring the required settings in **Mapping Mode**, click **Finetuning Mode**.

To finely adjust location settings for an actual device, use **Finetuning Mode** to edit the settings.

Note

- **Finetuning Mode** is only available after a device ID is set in **Mapping Mode**.
- **Finetuning Mode** is an optional step. You may skip this step if you want.
- In **Finetuning Mode**, a videowall layout can be finely adjusted even when the layout is in formal mode.

- 1 Select an element (section or device) from the edit section.
- 2 When detailed information about the selected element appears in the **Properties** tab, edit the location value.
- 3 Click  on the toolbar.
 - Changes will be applied.

Note

- Refer to the following for details on how to specify the location value for a section or device: [▶ Configuring a layout](#)
- A pattern appears on an actual device screen so that the layout can be precisely adjusted. To display or hide the pattern on an actual device screen, click  /  on the toolbar.
- To change the pattern on an actual device screen, click .

Distributing layouts to the server

- 1 After configuring a videowall layout, click **Complete**.

Note

Complete step is only available after a device ID is set in **Mapping Mode**.

- 2 A prompt will appear asking if you want to distribute the videowall layout to the server. Click **Yes**.
 - The configured videowall layout will be distributed to the server and applied to the corresponding device group.

Users

User tab

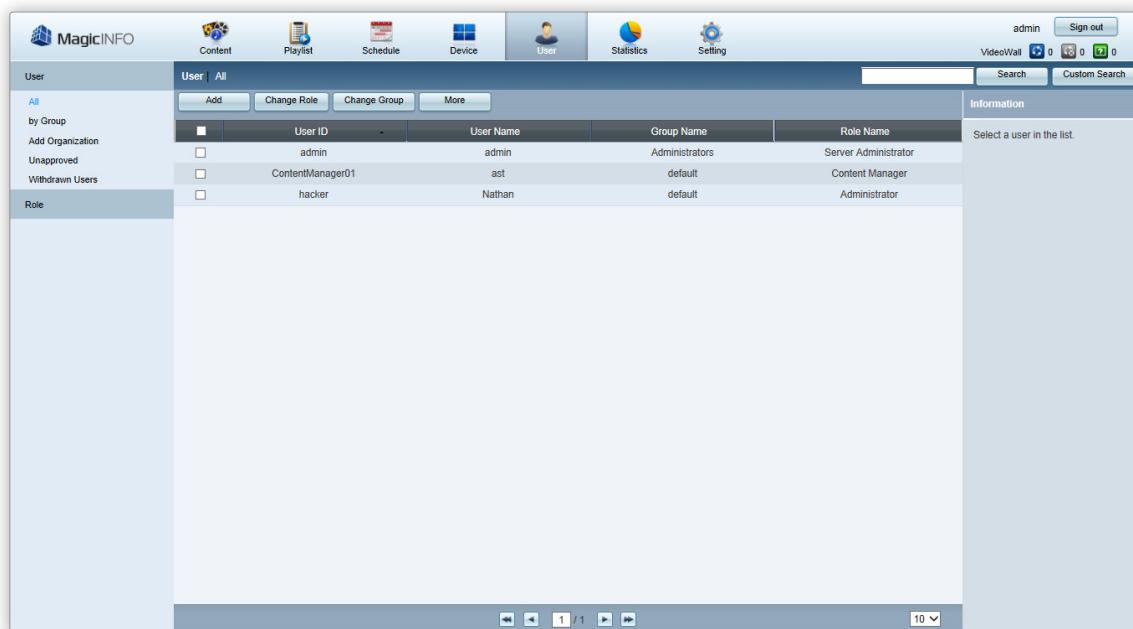
Add or delete users in MagicInfo Server. Change user roles or organizations.

From the MagicInfo Server main page, select the **User** tab.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the SaaS administrator page is used as an example to explain all functions.



User ID	User Name	Group Name	Role Name
admin	admin	Administrators	Server Administrator
ContentManager01	ast	default	Content Manager
hacker	Nathan	default	Administrator

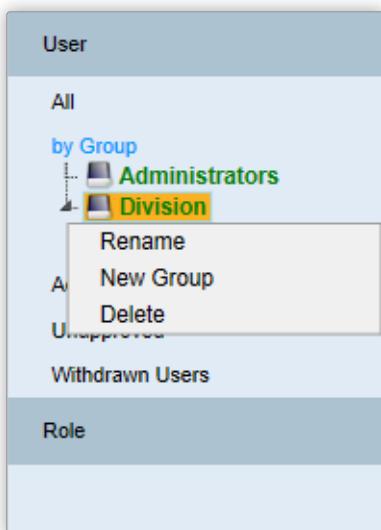
Viewing users

Create groups in each organization to manage users by group. In each organization, a **default** group is created by default.

- **All:** Retrieve and manage all content files added by users.
- **by Group:** Retrieve and manage users by group.

Creating groups

- 1 To manage groups, click **by Group**.
- 2 Select a group and right-click on the mouse.



- 3 To move a group, drag the group from **by Group** to a desired location.

Note

- A root group can be moved to a sub-group. A sub-group cannot be moved to a root group.
- Moving a group that has sub-groups will move all the sub-groups together maintaining the group hierarchy.

Searching users

	Search	Custom Search
--	--------	---------------

General search

Enter a keyword and click **Search**. Search results of users are retrieved. Search for a user within the search results.

Custom search

Click **Custom Search** to find a user using various search criteria.

User : Custom Search

User ID :	User Name :	Organization :	Unselected	Group :	<input type="text"/>	Select Group
Role :	Unselected	Telephone :	<input type="text"/>	E-mail :	<input type="text"/>	
Join Date :	<input type="text"/>		Most Recent Login :	<input type="text"/>		
<input type="button" value="Save Search"/> <input type="button" value="Search"/> <input type="button" value="Cancel"/>						
<input type="button" value="Recent Search History"/> <input type="button" value="My Search"/> <input type="button" value="Shared Search"/>						
Search Conditions - / - / - / - / - / 2014-02-01 ~ 2014-03-01 / - - / - / - / - / - / 2014-02-01 ~ 2014-03-01 / -				Search Date <input type="button" value="▼"/>	Search Manager 	
				2014-03-01		
				2014-03-01		

- Configure the search criteria such as the user ID/name, organization, group, role, telephone number, e-mail address, sign-up date, and most recent access date. Next, click **Search** to search for a user that satisfies the criteria.
- Click **Save Search** to save the specified search criteria. To share the criteria with other users, enable the mode to share criteria.
- **Recent Search History** shows a list of recently used search criteria.
- **My Search** shows saved search information.
- **Shared Search** shows a list of shared search criteria.

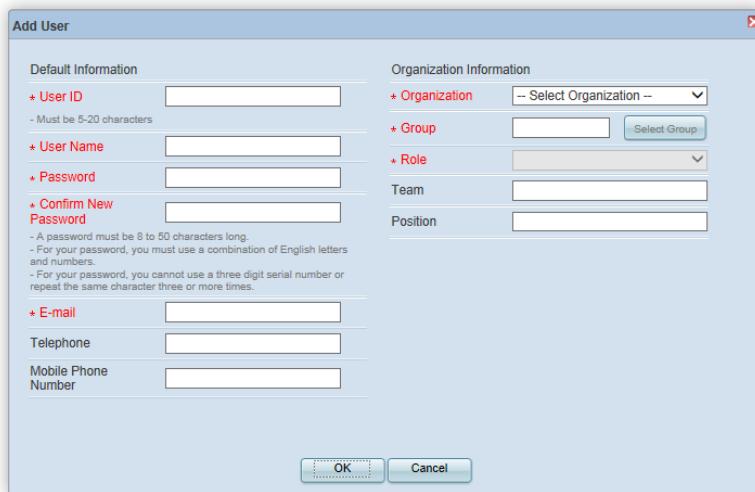
Search management buttons

- : Repeat a search with the selected search criteria.
- : Delete the selected search criteria.
- : Save the selected search criteria.

Adding/deleting users

Adding users

1 To add a user, click **Add** from a list of users. The following window to add a user appears.



2 Enter basic information and organization information of the user.

Precautions when adding users

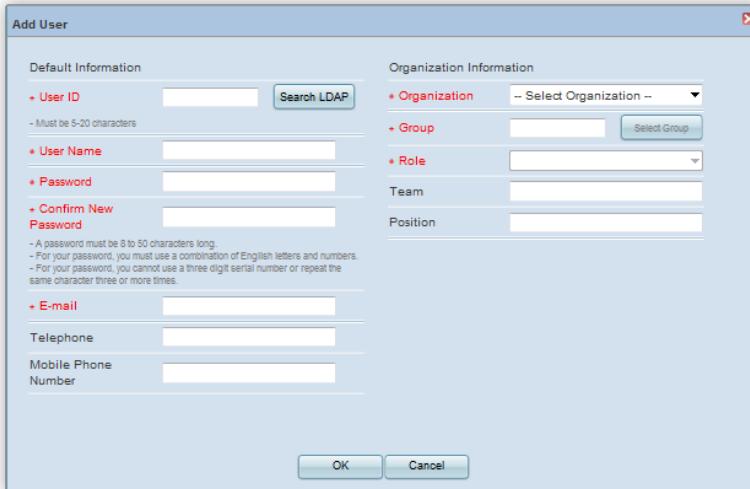
- A user ID can be 5 to 20 characters long.
- The user ID is case-sensitive and can only contain English alphanumeric characters.
- Make sure the password is a combination of alphanumeric and special characters.
- A password that is only made up of either letters, numbers or special characters cannot be used.
- Do not use three or more consecutive of the same alphanumeric characters.
- The password can be 8 to 50 characters long.
- Fields with * cannot be left blank.
- Select the correct organization and group roles. Refer to the following for further details on types of roles. [▶ Changing a user role](#)
- Insert + in front of a telephone number to show the country code.

3 Click **OK**.

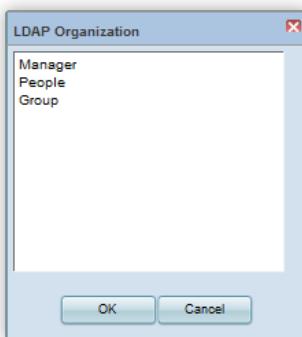
Adding LDAP server users

Registering an LDAP server to MagicInfo Server allows the LDAP server users to access MagicInfo Server without the need to sign up.

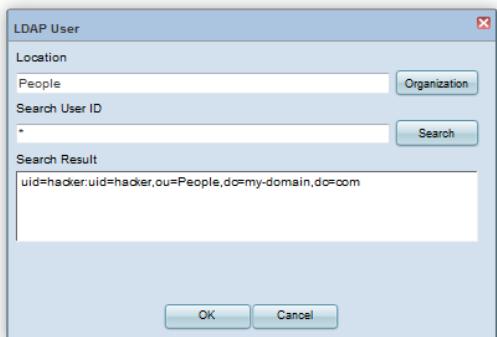
- 1 To add an LDAP server user, click **Add** from the user list. The following window to add a user appears.



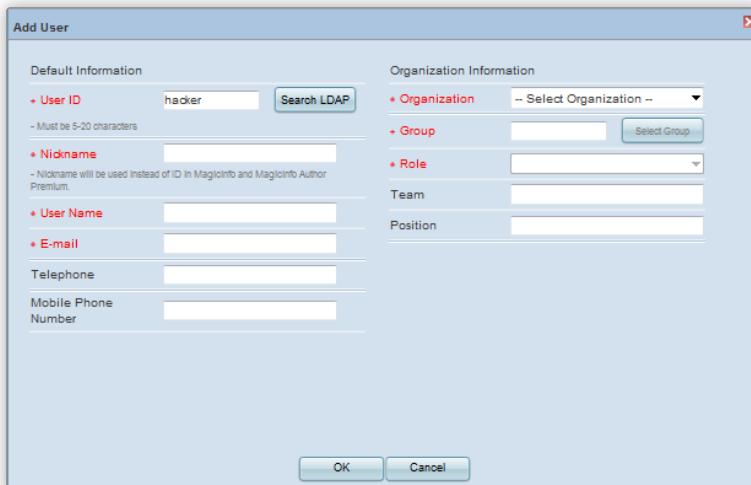
- 2 Click **Search LDAP**.
- 3 To search for a user's organization from the LDAP server, click **Organization**.
- 4 Select an organization.



- 5 To search user IDs from the LDAP server, click **Search**.
- 6 Select an ID from the retrieved search results, and click **OK**.



- 7 If a user ID identical to the LDAP user ID is found in MagicInfo Server, enter the LDAP user's nickname and password.



- 8 To add a user, click **OK**.

Viewing users awaiting approval

Approval from the administrator is required for users to log in after sign-up. The administrator can approve or reject users using the **Unapproved** menu.

Click **Unapproved**. A list of users that are waiting for approval from the administrator after making a sign-up request appears.

- To approve a sign-up request, select a user waiting for approval and click **Approve**. Next, specify the user role and group and click **OK**.
- To reject a sign-up request, select a user and click **Reject**. Next, enter the rejection reason and click **OK**.
- To send a list of users awaiting approval as an Excel or PDF file, click **Export**.

Note

- Only one user can be approved at a time.
- If a user attempts to log in with a rejected ID, the reason for rejection appears. A sign-up failure warning message appears when the first attempt is made to log in. On subsequent attempts to log in, a different message will appear that the ID does not exist.

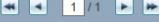
Deleting users

- 1 To delete a user, select a user from a list of users and click **More > Delete**. A window appears where a user can be deleted.
- 2 Enter the reason for canceling the account and click **OK**. Information about a deleted user can be found in the list of users with canceled accounts.

Viewing users with canceled accounts

To view users with canceled accounts, click **Withdrawn Users**. A list of users with canceled accounts appears. The list includes users that have voluntarily canceled their account and those deleted by the administrator.

- To view detailed information of a user, select a user from the list.
- User information is deleted automatically one week after their account is canceled. To manually delete user information from the list, click **Delete** on the user information row.

User Withdrawn Users				Information
User Information is deleted 1 week after membership withdrawal.				
User ID	User Name	Date Withdrawn	Delete	
Staff01	jenny.Doe	2014-03-01 11:14:47		 <p>User ID: Staff01 User Name: jenny.Doe E-mail: test@test.com Organization: Division Team: Position: Telephone: Mobile: Phone: Number:</p>
 1 / 1 				

Managing user information

Viewing detailed user information / Editing information

- 1 Click a user from the user list to view detailed information of the user.

Information	
Edit	
User ID	device
User Name	Nathan
E-mail	nathanoemail@example.com
Organization	Administrators
Group Name	Administrators
Job Title	Device All Manager
Device Permissions	Change
Team	
Position	
Telephone	
Mobile Phone Number	
Join Date	about 6 days ago (2014-01-02 09:29)
Most Recent Login	about 6 days ago (2014-01-02 09:30)
Reset Password	Issuance

- 2 If Premium Device Permissions has been activated from the server settings, the Device Permissions item is displayed in the detailed user information menu. To specify the LFD devices accessible by the device manager, click **Change**.

 **Note**

For users with Server Administrator or Administrator privileges authorized to access any device, the Device Permissions item is not displayed regardless of whether Premium Device Permissions is activated.

3 Click **Edit** from the detailed user information page.

Note

- If Premium Device Permissions is activated, the Device Permissions item is displayed in the detailed user information menu. To cancel device access privileges assigned to a user, click **Cancel**.
- For users with Server Administrator or Administrator privileges authorized to access any device, the Device Permissions item is not displayed regardless of whether Premium Device Permissions is activated.

4 Click **Save** to save changes.

Issuing a temporary password

The administrator can issue a temporary password to a user that has lost their password. Select a user from the user list. Next, click **Issuance** from the detailed user information page. A temporary password will be sent to the user.

Note

- If the **Issuance** button is selected from the window where a password can be re-issued, a temporary password is sent to a user. The button is found in the user information page. To enable the button, select **Setting > Server management > Server Settings > Enable Alarm Mailing**.
- If the SMTP server settings are not configured, click **Reset** from the window where a password can be re-issued to reset the password. The password will be identical to the user ID. In this case, a notification email is not sent to the user.
- After obtaining a temporary password, make sure to change the password after login. Otherwise, a warning message that the password should be changed will appear each time you log in.

Changing a user group

Change a user group from the user list. It is not possible to change the group of an administrator.

- Select a user and click **Change Group**. A page appears where a group can be changed.

Changing a user organization

Change a user organization from the user list.

- Click **More > Change Organization > All**. Organizations of all users on the list are changed.
- Select a user and click **More > Change Organization > Selected Users**. The organization of the selected user is changed. It is not possible to change the organization of an administrator.

Changing a user role

Change a user role from the user list. The organization administrator role cannot be assigned to another user.

- Select a user and click **Change Role**. A page appears where a role can be changed.

User role types

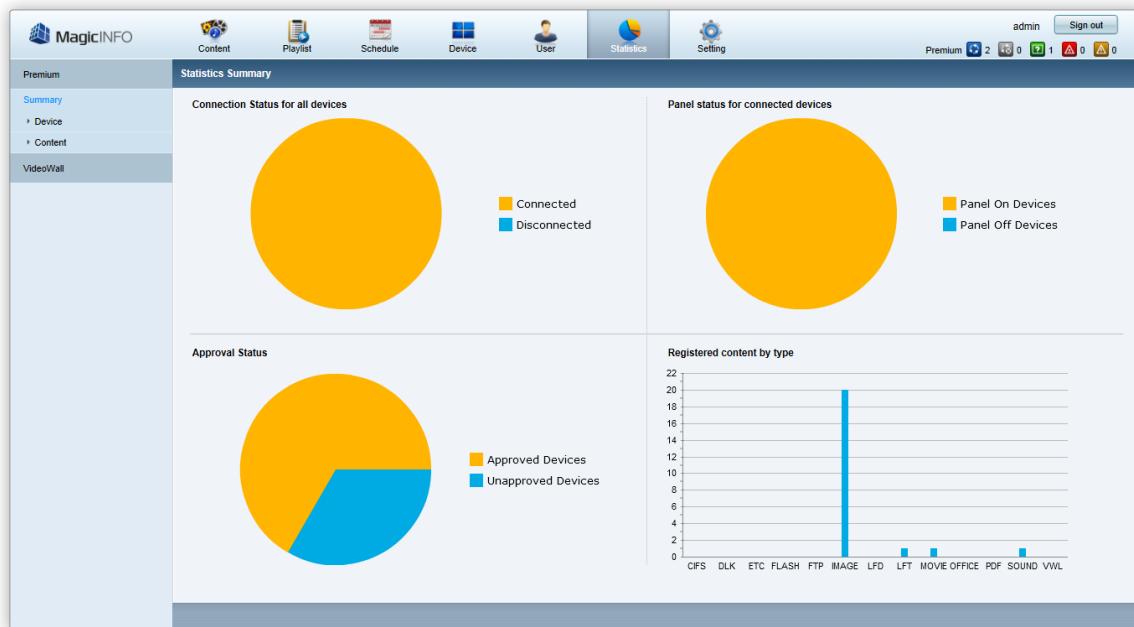
- **Administrator**: Authorized to manage overall matters of their organization.
- **Content Manager**: Authorized to access and manage the content-related menu items.
- **Content User**: Authorized to access the content-related menu items.
- **Device Manager**: Authorized to access and manage the device-related menu items.
- **Schedule Manager**: Authorized to access and manage the schedule-related menu items.
- **Schedule User**: Authorized to access the schedule-related menu items.
- **User Manager**: Authorized to access and manage the user-related menu items.

Statistics

Statistical summary

View a statistical summary of devices and content files.

From the MagicInfo Server main page, select the **Statistics > Summary**.



Connection Status for all devices	View statistics for connected and disconnected devices saved on the server in pie chart form.
Panel status for connected devices	View statistics for the panel on/off status of devices connected to the server in pie chart form.
Approval Status	To add a device to the server, approval from the administrator is required. View statistics for approved and unapproved devices in pie chart form.
Registered content by type	View statistics for content files saved on the server by type (CIFS, DLK, ETC, Flash, FTP, photos, LFD, LFT, videos, documents, PDF, music, VWL)



Place the cursor on each chart for detailed information of the specific area.

Device statistics

View statistics for device errors, connection statuses, approved devices, and device schedules added to the server.

From the MagicInfo Server main page, select the **Statistics > Device**.

Note

- Place the cursor on each chart for detailed information of the specific area.
- It is possible to retrieve statistical data for the desired period.
- Various types of charts are supported for convenience when viewing statistical data. Click **Select Chart** from a statistics page. Supported chart types can vary depending on the item.
- Export retrieved statistics as an Excel or PDF file by clicking **Select Export**.

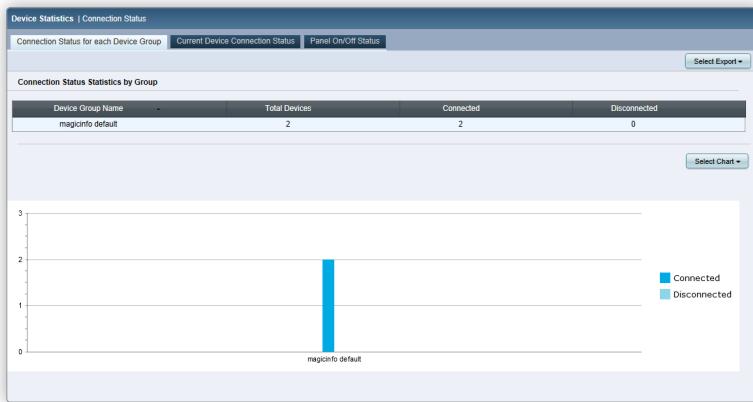
Viewing statistics for errors

Click **Device > Error Occurrence**.

View by Period	View the number of errors by period.
By Error Type	View the number of errors by type. Select a search period.
By Period & Period	View details of device errors such as the dates/types and the number of occurrences.
By Group	View the number of errors occurred on devices that belong to a group.
By Group & Type	View errors by type occurred on devices that belong to a group.

Viewing statistics for connection status

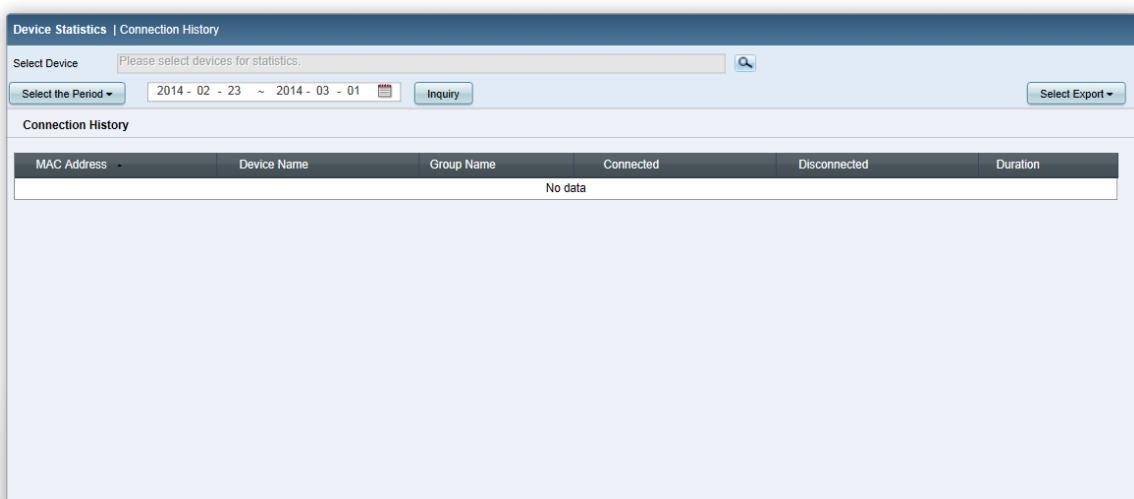
To view the connection status between the server and devices, select **Device> Connection Status**.



Connection Status Statistics by Group	Display statistics for the connection status by device group. The following details can be viewed: a device group name, the number of all devices under a group, and the number of devices under a group that are connected and disconnected from the server.
Current Device Connection Status	Display statistics for the current status of devices connected to the server. The following details can be viewed: the number of devices saved on the server and the number of connected/disconnected devices.
Panel On/Off Status	Display statistics for the panel on/off status of devices connected to the server.

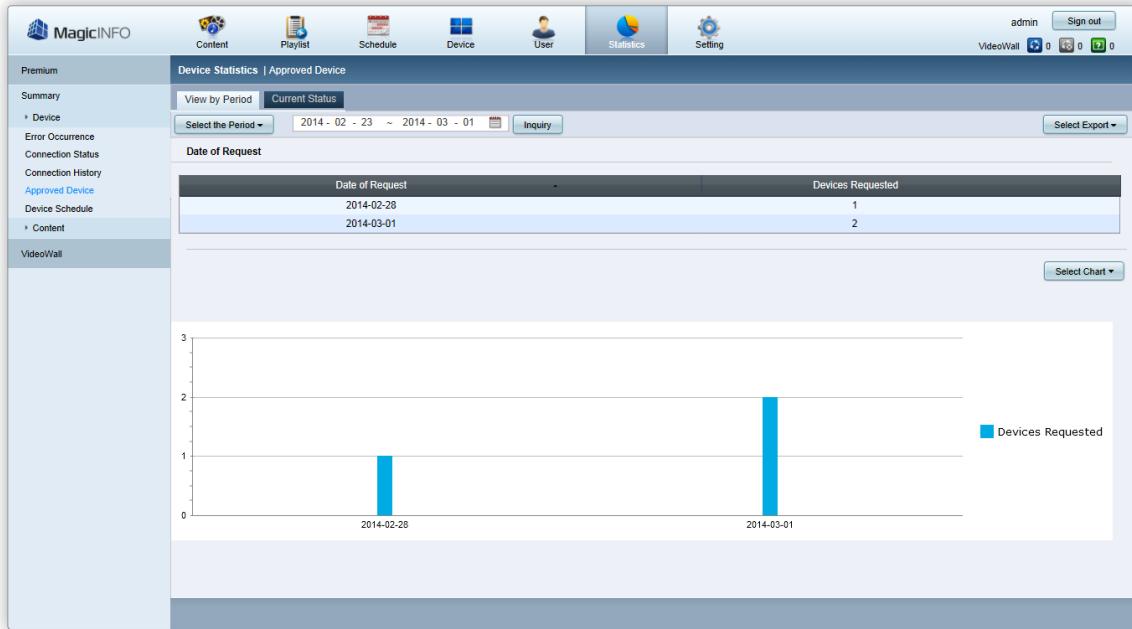
Viewing statistics for connection records

To view device connection records, select **Device > Connection History**.



Viewing statistics for approved devices

To view the number of devices or the time a device authorization request was made, select **Device > Approved Device**.



View by Period

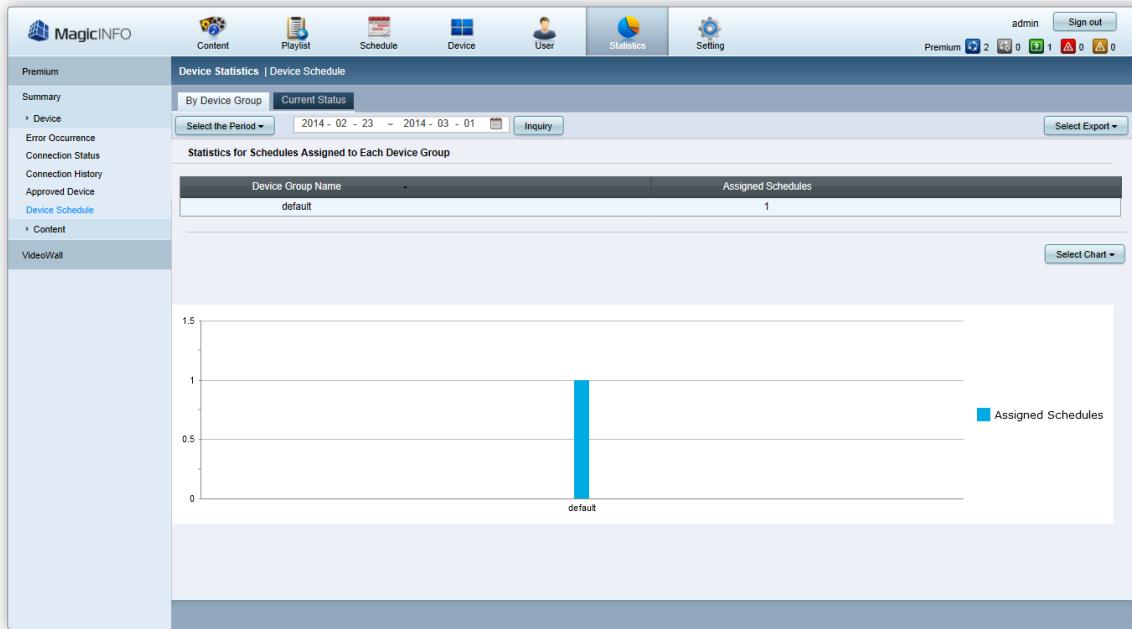
Display statistics for device approval requests made during a specified period.

Current Status

View the number of approved and unapproved devices on the server.

Viewing statistics for device schedules

To view statistics for schedules distributed to devices, select **Device > Device Schedule**.



By Device Group

View the number of assigned schedules for each device group during a specified period.

Current Status

View the number of schedules that are currently assigned for each group.

Content statistics

View the types, playback frequencies, a detail statistics report of content files saved on the server.

From the MagicInfo Server main page, select the **Statistics > Content**.

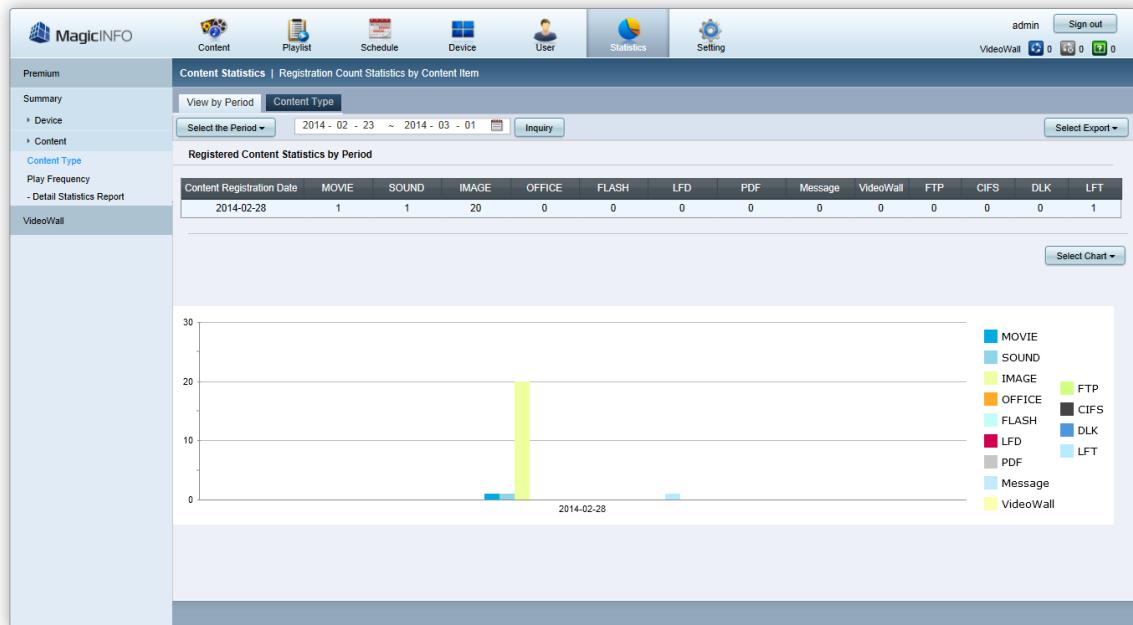
Note

- Place the cursor on each chart for detailed information of the specific area.
- It is possible to retrieve statistical data for the desired period.
- Various types of charts are supported for convenience when viewing statistical data. Click **Select Chart** from a statistics page. Supported chart types can vary depending on the item.
- Export retrieved statistics as an Excel or PDF file by clicking **Select Export**.

Content Type

Select **Content > Content Type**.

View statistics for content files saved on the server by type.



View by Period

Display statistics for added content files by type for a specified period.

Content Type

View the number of content files currently saved on the server by type.

Play Frequency

Select **Content > Play Frequency**.

View statistics for playback frequency by content item.

Select Content	View statistics for playback frequency of a content file.
Select device	View statistics for playback frequency of a device.
Select the Period	View statistics for playback frequency for a specified period.

Note

Statistics for content playback frequency can be viewed after a content file is played on a device for more than a day.

Detail Statistics Report

Select **Content > Detail Statistics Report**.

Import and then download a detailed report on content playback frequency to the computer.

Settings

Configure personal information of the user. Configure the settings to manage and use MagicInfo Server.

From the MagicInfo Server main page, select the **Setting** tab.

Note

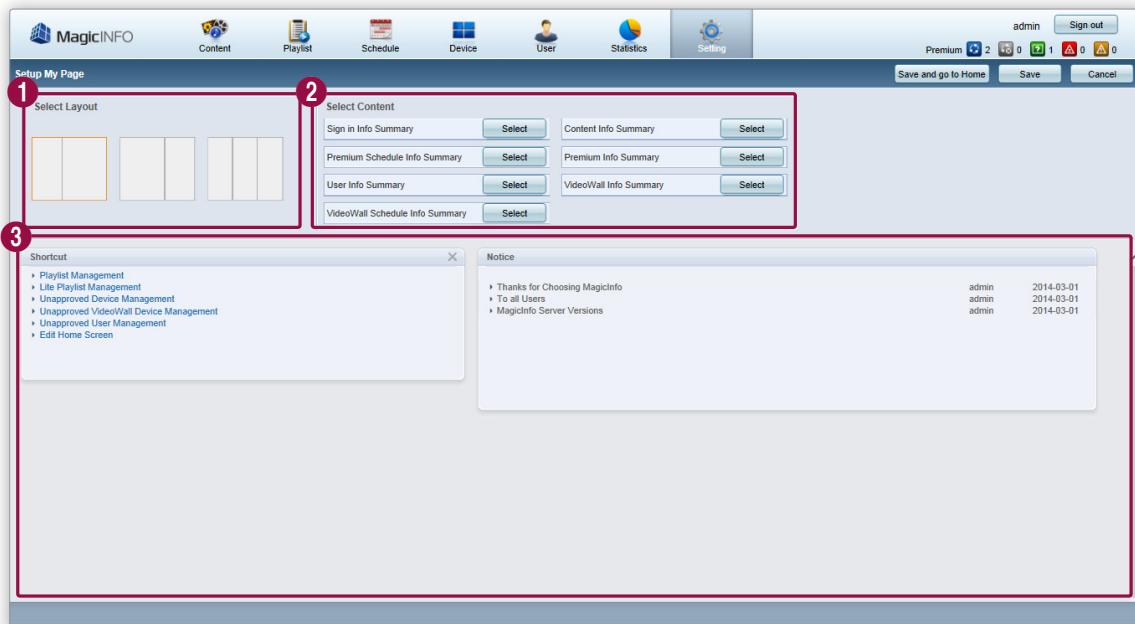
A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the SaaS administrator page is used as an example to explain all functions.

My page settings

Arrange frequently used content items on the main page for convenience.

- 1 Select **Setup My Page > Setting**.



1 Select a layout. It is possible to put content items in the divided frames on the main page.

Select the frequently used content items you want to arrange on the MagicInfo Server main page.

Click **Select** for the desired content item. The selected content item is displayed in the preview section.

2

- Placing the mouse cursor over a content item shows a preview of the content item when added.

Refer to the following for further details on functions for each content item. [▶ Content files](#)

Preview section

3

- Drag and drop an added content item to the desired location.
- To delete an added content item from the preview section, click .

2 To view the updated main page after saving the settings, click **Save and go to Home**.

To save changes to settings during a task, click **Save**.

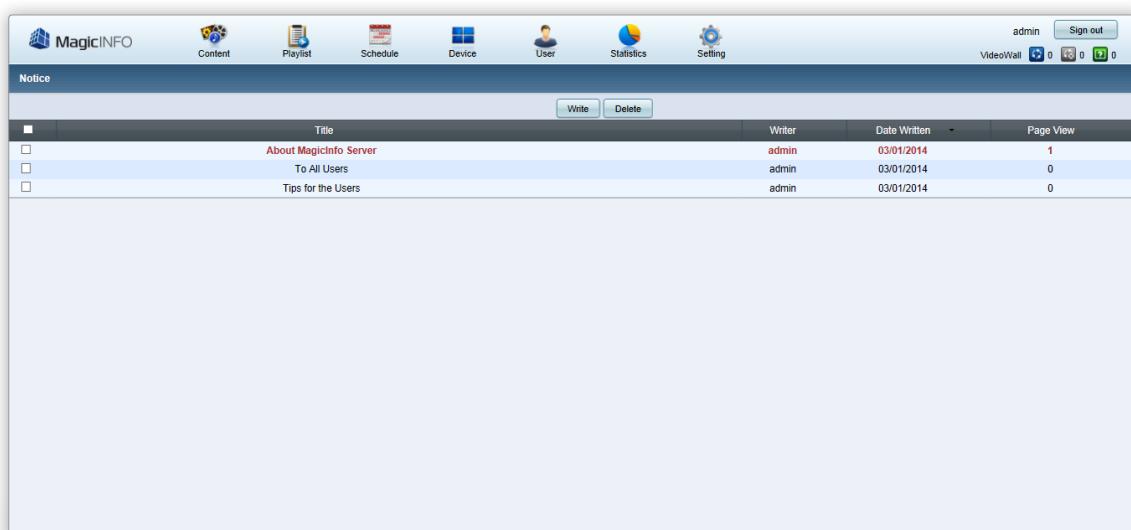
My Page content

Notice

View notices on the server. Select a notice from a list of notices to display the notice details.

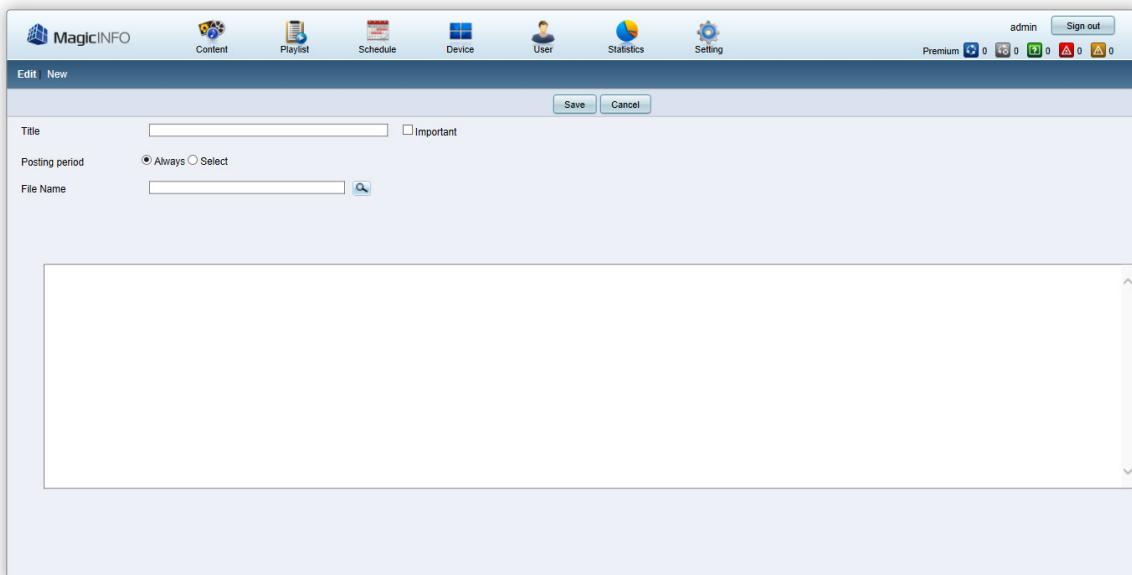
Posting/deleting a notice

1 Click  in the notice window on the MagicInfo Server main page to open the notices list page.



	Title	Writer	Date Written	Page View
<input type="checkbox"/>	About MagicInfo Server	admin	03/01/2014	1
<input type="checkbox"/>	To All Users	admin	03/01/2014	0
<input type="checkbox"/>	Tips for the Users	admin	03/01/2014	0

2 To create a notice, click **Write** and enter text.
To delete a notice, select the notice and click **Delete**.



Title	Enter a notice title. <ul style="list-style-type: none">▪ Important: Select this option if the notice is important and needs to be distinguished from other notices. The notice is highlighted in a different color from other notices on the list. It is placed on top of the list regardless of the sequence of creation.
Posting period	Specify the posting period. <ul style="list-style-type: none">▪ Always: Display the notice continuously on the main page.▪ Select: Specify the period to post a notice.
File Name	To attach a file to a notice, click  .

Login Info Summary

View the user ID, name, and last access date.

User Info Summary

User Info Summary	<p>View the number of registered/canceled users and the number of new users that requested to sign up.</p>
New User Request	<p>Approval from the administrator is required for users to log in after sign-up. The administrator can approve or reject users.</p> <p>Click Approve/Reject to open the window where a user can be approved.</p> <ul style="list-style-type: none"> ▪ Confirm user information. Next, select a role and group, then click Approve. ▪ To reject a sign-up request from a user, click Reject. <p>Refer to the following for further details. ▶ Adding users</p>

Premium info summary

Device Info Summary	<p>View a summary of information on added devices.</p>
Unapproved	<p>Display a list of devices not approved.</p> <p>To approve a device, click Approve from the list. Enter the device information and click OK to approve the device.</p>
Fault	<p>View devices with errors.</p> <p>Click View Details on the device list to view the error type and the resolution status.</p>

Content Info Summary

View the number of added, deleted, or edited content items.

Premium Schedule Info Summary

View the number of schedules that are currently running or assigned for today, all schedules, or schedules not assigned to a device.

Running Schedule	View the number of schedules currently running on the added devices.
Scheduled for Today	View the number of schedules assigned for today.
All Schedules	View the number of schedules assigned to the server.
Unassigned Schedules	View the number of schedules not assigned to a device.

Shortcuts

Access frequently used menus. Click an item to open the corresponding menu page.

VideoWall info summary

View information on VideoWall schedules.

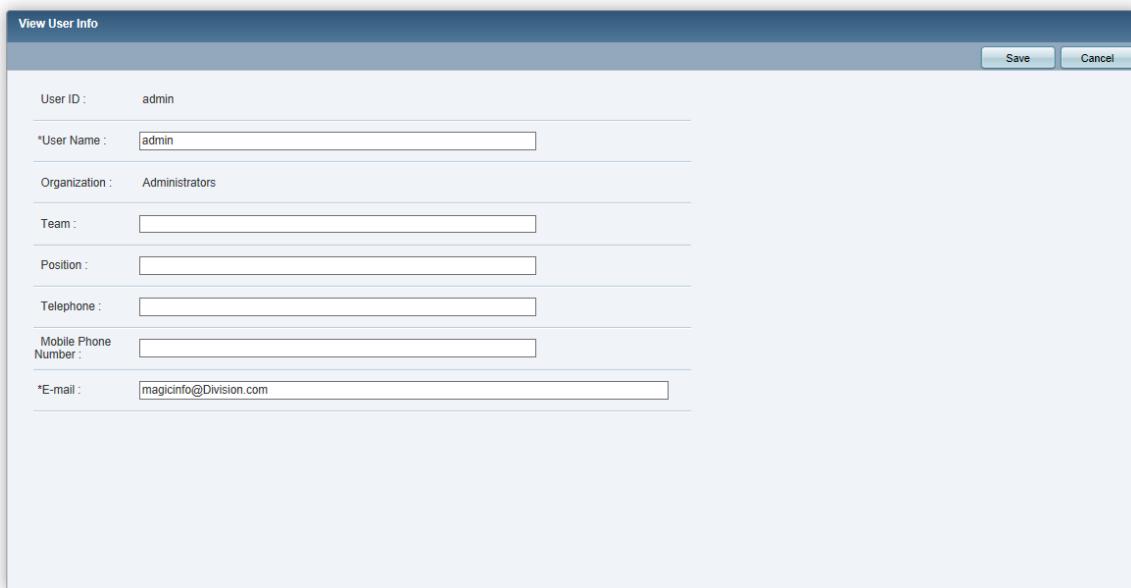
Managing user information

View or edit user information.

Viewing user information

To view or edit user information entered during sign-up, click **Manage User Info > View User Info**.

- To edit user information, click **Edit**.



View User Info	
User ID :	admin
*User Name :	<input type="text" value="admin"/>
Organization :	Administrators
Team :	<input type="text"/>
Position :	<input type="text"/>
Telephone :	<input type="text"/>
Mobile Phone Number :	<input type="text"/>
*E-mail :	<input type="text" value="magicinfo@Division.com"/>

Note

Insert the + symbol in front of a telephone number to show the country code.

Password management

Click **Manage User Info > Manage Password**. A page appears where a password can be changed.

Manage Password

Save

Old Password :

New Password :

Confirm New Password :

1. Your new password and existing password must be different.
 2. A password must be 8 to 50 characters long.
 3. For your password, you must use a combination of English letters and numbers.
 4. For your password, you cannot use a three digit serial number or repeat the same character three or more times.

Note

- Make sure the new password is different from the existing password.
- Make sure the password is a combination of alphanumeric and special characters.
- A password that is only made up of either letters, numbers or special characters cannot be used.
- Do not use three or more consecutive of the same alphanumeric characters.
- The password can be 8 to 50 characters long.

Canceling a user account

Click **Manage User Info > Withdraw Membership**. A page appears where a user account can be canceled.

To proceed with canceling a user account, read the precautions thoroughly and click the checkbox. Next, click **Withdraw**.

Withdraw Membership

1. Even though you withdraw your membership, the content you created will not be deleted.
 2. Your profile will be deleted after you withdraw your membership.
 3. If you are an administrator, you must delegate your administrator roles to another user before withdrawing your membership.

The above has been confirmed. **Withdraw**

Note

To cancel an administrator account, administrator privileges must first be transferred to another user account. Refer to the following for further details on transferring privileges. [► Transferring privileges](#)

Transferring privileges

An organization administrator can transfer their organization administrator privilege to another user.

- 1 Click **Manage User Info > Transfer Administrator Privileges**. A page appears where privileges can be transferred.



The screenshot shows a web-based interface titled 'Transfer Administrator Privileges'. It has two main input fields: 'Administrator ID of the New Organization' containing 'staff02' and a 'Check if the ID is available' button. Below that is a dropdown menu labeled 'Select My New Role' with 'Content Manager' selected. At the bottom is a large blue button labeled 'Transfer Administrator Privileges'.

- 2 Enter the user ID to transfer privileges to. Click **Check if the ID is available** to confirm that the ID is valid to be assigned privileges.
- 3 To assign a new role to your account after transferring privileges, select a role from **Select My New Role**.
- 4 After configuring the required settings, click **Transfer Administrator Privileges**. When a window appears indicating that privileges have been transferred, click **OK**.

Note

- Administrator privileges can only be transferred to a user in the same organization as the administrator.
- SaaS administrator privileges cannot be transferred.

Managing the server

Manage the server settings, system information and service history. To manage general settings for the server, click **Server management**.

Server settings

Configure the device status and SMTP server settings. Display or hide the MagicInfo Lite or VideoWall menus.

To view and edit the server settings, select **Server Settings**.

General

Device Refresh Interval	Set the time interval to import device settings. in seconds in the range 1-999.
Device Update Frequency	Set the cycle to update device information in minutes in the range 1-999.
MagicInfo Lite Menu On	To display the MagicInfo Lite menus under the Playlist , Schedule , and Device tabs, click the Enable checkbox.
MagicInfo VideoWall Menu On	To display the MagicInfo VideoWall menus under the Schedule , Device , and Statistics tabs, click the Enable checkbox.
Sign-up	To enable Sign up in the login page, click the Enable checkbox.

Premium Device Permissions	To authorize the device manager to manage specific devices, select the Enable checkbox.
	To activate the redundant playback function, select the Enable checkbox.
Backup Play	 What is Backup Play?

If a device playing important content is disconnected from the network or the device's input source changes, the device with Backup Play configured will detect the change and continue to play content from the backup. Refer to the following for further details on Backup Play settings. [► Using Backup Play](#)

Note

- Users with Server Administrator or Administrator privileges are authorized to manage any device connected to the server. They do not need to be assigned management privileges separately.
- After activating Premium Device Permissions, make sure to configure privilege settings so that the device manager can manage specific devices. For details on device management privilege settings, refer to the following: [► Viewing detailed user information / Editing information](#)

SMTP Server

Is Event Mailing Enabled	Click the checkbox to send e-mail notification in the occurrence of a device alarm.
Server Address	Enter the SMTP server address to use to send e-mail.
Authentication	Click the checkbox if authentication is required when connecting to the SMTP server.
Login ID	Enter the user account required to connect to the SMTP server.
Password	Enter the password required to connect to the SMTP server.
Port	Enter the SMTP server port number.
SSL	Enable or disable SSL.

Note

SMTP refers to a protocol used to send e-mail. Similar to http which is the main protocol for WWW, SMTP is a protocol used to send e-mail. Protocols used to receive e-mail include POP and POP3.

E-mail Alarm for Disconnected Device

Use	To send an email notification to a user when a device is disconnected from the server, select the Enable checkbox.
Alarm Interval	Specify the interval to send an email alarm for a disconnected device.
Run Time	Set the time to run the email alarm transmission function.

Note

To receive an email notification of a disconnected device, select the **Enable Alarm Mailing** checkbox from SMTP Server.

LDAP Server

Server Address	Enter the LDAP server address.
Root DN	Enter the root account required to access the LDAP server.
Manager DN	Enter the administrator account required to access the LDAP server.
Manager Password	Enter the administrator password required to access the LDAP server.

Viewing system information

View the MagicInfo Server system information.

To view the system information, select **View System Info**.

View System Info			
System			
WAS Info	Apache Tomcat/6.0.36	OS Name	Windows 7
OS Image Version	6.1	OS Architecture	x86
JVM Version	1.7.0_51-b13	JVM Vendor	Oracle Corporation
Storage Size	(C:\) 31GB Free of 97GB (D:\) 51GB Free of 51GB		
OS Info			
Physical Memory	2047.30 MB	Available Memory	1062.06 MB
Total Page File Size	4094.60 MB	Free Page File Size	2318.63 MB
Memory Load	48		
Process Kernel Time	136.875 s	Process User Time	249.585 s
JVM Info			
Free Memory Size	122.38 MB	Total Free Memory	494.93 MB
Max Free Memory	494.93 MB		

System Information

WAS Info	View the Web Application Server (WAS) information.
OS Name	View the installed OS name.
OS Image Version	View the OS version
OS Architecture	View the OS architecture.
JVM Version	View the Java Virtual Machine (JVM) version.
JVM Vendor	View the Java Virtual Machine (JVM) provider.
Maximum Available Storage Size	View the capacity of the hard disk drive on the computer where the server is installed.

OS Info

Physical Memory	View the total memory capacity.
Available Memory	View the amount of remaining memory available.
Total Page File Size	View the file size of all pages.
Free Page File Size	View the file size of remaining pages.
Memory Load	View the memory load.
Process Kernel Time	View the process kernel time.
Process User Time	View the process user time.

JVM Info

Free Memory Size	View the amount of remaining memory available on JVM.
Total Free Memory	View the total memory capacity available on JVM.
Max Free Memory	View the maximum memory capacity available on JVM.

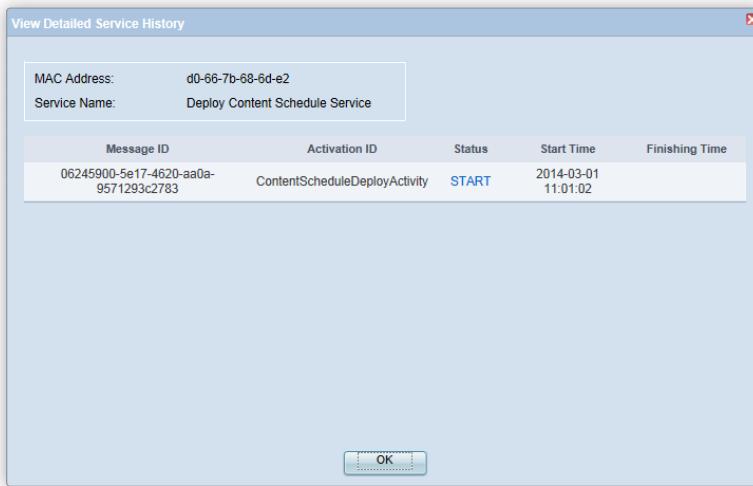
 **Note**

- JVM is an abbreviation for Java Virtual Machine.
- WAS, abbreviation for Web Application Server, refers to a middleware (software engine) that runs applications online via HTTP on a computer or device.

Viewing service logs

View the communication history between the server and devices.

- 1 Click **Service History**, and select the desired item.



- 2 Select a value under Status to view a service log in more detail.

Exporting service logs

To save a list of service logs to a PC, click **Export** and select a file format.

Managing external servers

DataLink server management

Add a DataLink server to MagicInfo Server to use additional functions.

To manage a DataLink server, click **Datalink server management**.

Datalink server management								
	Add	Edit	Delete					
	Server Name	IP	Web Port	FTP Port	Period	SSL	BYPASS	Connection
<input type="checkbox"/>	dataLinkserver	217.141.3.66	8080	10021	30	false	false	Link

- To add a DataLink server to MagicInfo Server, click **Add**.

Datalink server

Server Name	<input type="text"/>	<input type="button" value="Check"/>
IP	<input type="text"/>	
Web Port	<input type="text"/>	
FTP Port	<input type="text"/>	
Period (sec)	<input type="text"/>	
SSL	<input type="checkbox"/> Enable	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		

- To edit DataLink server information, select the desired DataLink server checkbox and click **Edit**. Edit the information using the same method as adding a server.
- To delete DataLink server information, select the desired DataLink server checkbox and click **Delete**.

Managing the download server

Each main server has one download server by default. It is possible to add a download server in order to reduce load on the main server.

- 1 To manage the download server, click **FTP Server Manager**.



- 2 To start a download server, select a desired download server checkbox from the list and then click **Start**. Clicking **Stop** stops the download server. Clicking **Restart** restarts the download server.
- 3 To remove a download server from MagicInfo Server, select a desired server checkbox from the list and then click **Delete**.

Note

A command that has been selected to control the download server may not immediately be applied to MagicInfo Server.

Managing a MagicInfo Player S2 remote server

Remotely control MagicInfo Player S2 by registering a remote server on the server. To register a MagicInfo Player S2 remote server, click **S2PLAYER Remote server management**.

Managing SLM licenses

View information about licenses activated for MagicInfo Server and manage licenses.

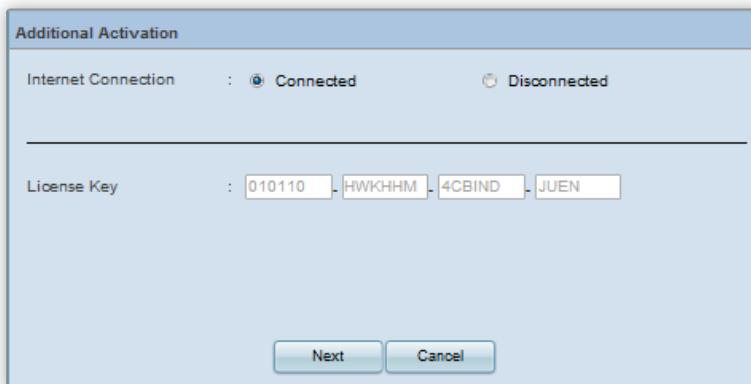
Activating Additional Licenses

Register an additional license after extending a license expiration date or purchasing a new device, if required.

Note

- To extend the expiration date of a registered license, contact the dealer the product was purchased from or your local marketing representative to extend the license expiration date.
- Additional activation is not possible for trial licenses.
- For further details on how to register licenses for the first time, refer to the following: [▶ Activating a product license](#)

- 1 Click **Setting > License Info**.
- 2 Select a desired license checkbox from the list, and then click **Additional Activation**.
- 3 Select an Internet connection status, and then click **Next**.



Note

- If not connected to the Internet, select **Disconnected** and then return the license according to the on-screen instructions.
- To register a license offline, access the license server (<https://v3.samsunggsbn.com>) and obtain an activation key.

- 4 Click **OK**.
 - To apply changes, log out and then log in again.

Returning SLM licenses

A license activated on a PC cannot be used from another PC. A license can be returned if the activated program has been moved to another PC or the license is no longer used.

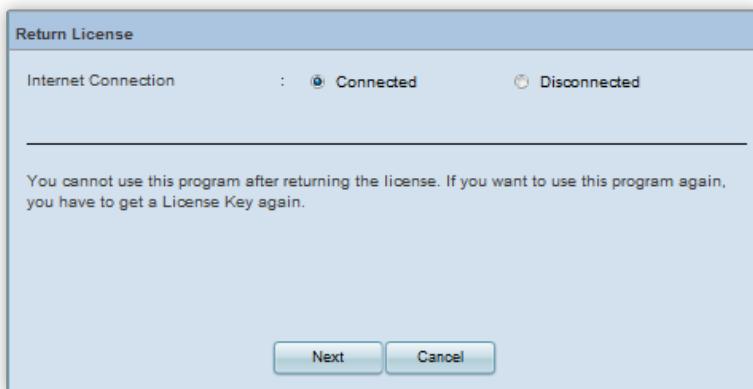
Note

It is not possible to return a trial license key.

Caution

After a license is returned, information about devices connected to the server will be removed and the program will no longer be available for use. To use the program again, repeat the first time license activation process.

- 1 Click **Setting > License Info**.
- 2 Select a desired license checkbox from the list, and then click **Return License**.
- 3 Click **OK** in the displayed window to confirm returning of the license.
- 4 Select an Internet connection status, and then click **Next**.



Note

- If not connected to the Internet, select **Disconnected** and then return the license according to the on-screen instructions.
- To return a license offline, access the license server (<http://v3.samsunggsbn.com>) and enter the license key.

- 5 Click **OK**.

Checking the history of issued licenses

To check the history of issued licenses managed on the server, click **Setting > License Info > License History**.

License History			
type	License Key	Information	Date
01	010110-HWKHHM-4CBIND-JUEN	NewActivationRequest success	2013-11-01
01	010110-HWKHHM-4CBHIN-JUEN	licenseKey verify fail! code : 1018	2013-11-01
04	DEVICE	Trial license key is expired!! delete device : 1	2013-11-01
01	010110-HWKHHM-4CBIND-JUEN	requestDeActivationProcess success	2013-11-01
01	010110-HWKHHM-4CBIND-JUEN	ChangeActivationRequestFromString success	2013-11-01
01	010110-HWKHHM-4CBIND-JUEN	NewActivationRequest success	2013-11-01

Prev 1 Next

OK

Managing tags

Add tags to the MagicInfo Server. These tags can be assigned to devices or content files in a DLK element or playlist.

A content file with a tag plays only on a device that has the same tag.

Adding a tag

- To add a tag to MagicInfo Server, click **Tag Management > Add**.

Tag Management

Tag Name	Newyork
Tag Value	US
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

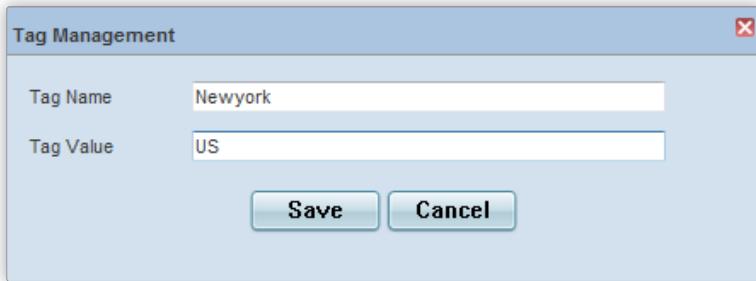
- Enter the tag name and value. Next, click **Save**.

Deleting a tag

- 1 To delete a tag, click **Tag Management**.
- 2 Select a tag and click **Delete**.

Editing a tag

- 1 To edit a tag, click **Tag Management**.
- 2 Select a tag and click **Edit**. The **Tag Management** window appears.



- 3 Enter a new tag name and value. Next, click **Save**.

Diagnostic management

Examine the status of the server, VideoWall and MagicInfo Player I.

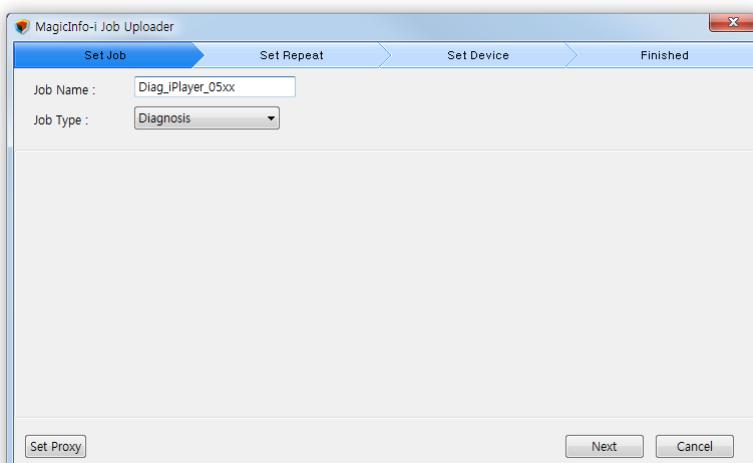
Examining the server

To examine the server status, click **Diagnostic Management > Diagnosis** and select **Server**.

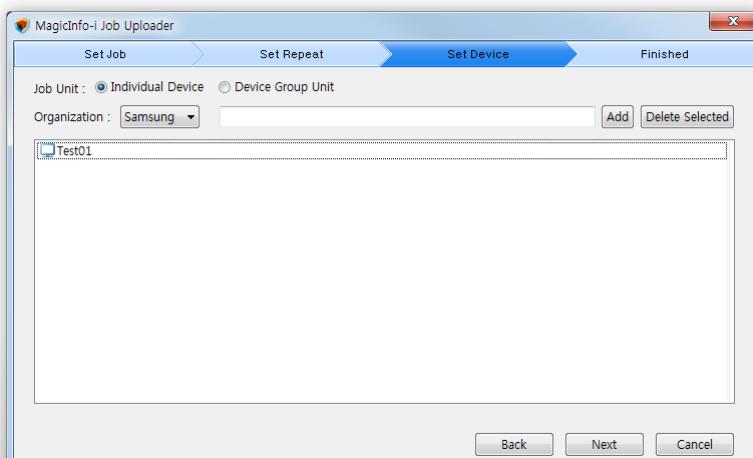
- The server examination process will start.

Examining a device

- To examine the status of VideoWall and MagicInfo Player I, click **Diagnostic Management > Diagnosis**, and then select a device.



- Enter a task name, and click **Next**.

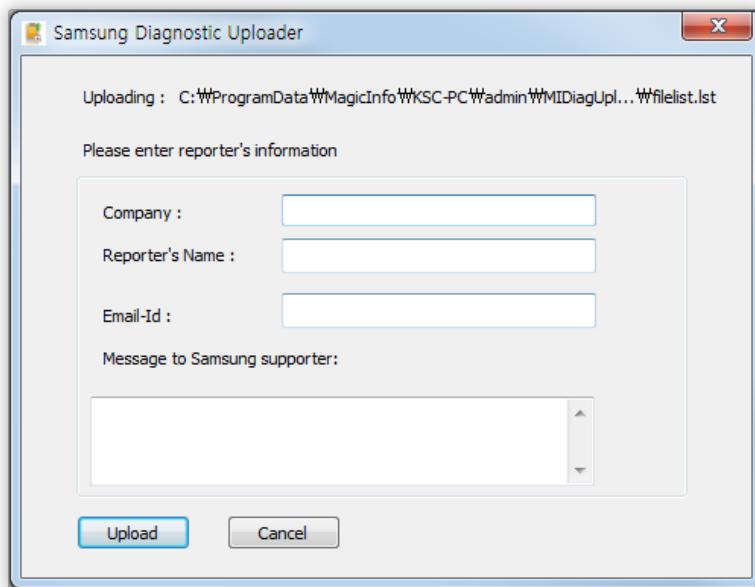


3 Enter a task unit, and select a device or a device group. Click **Next**.
– The device examination process will start.

Reporting examination results

After examination is complete, report the examination results to the administrator.

1 To report examination results, click the desired examination result item checkbox from the list. Click **Start Upload**.



2 Enter the information of the report submitter, and click **Upload**.

Deleting examination results

To delete examination results, click the desired examination result item checkbox. Click **Delete**.

Note

Examination results are deleted without a warning message and cannot be restored.

SaaS administrator

The SaaS administrator is the general administrator of MagicInfo Server. The SaaS administrator can access all the data and functions provided in the MagicInfo Server program.

Privileges	SaaS administrator	Organization administrator
Organization management	O	X
Group management	O	O
Approval	O	X
User management	Authorized to edit organizations, groups and roles of all users	Authorized to edit groups and roles of users under an organization where an administrator has privileges.
Remote control	Authorized to control all devices	Authorized to control devices under on organization where an administrator has privileges.
Information access	All information provided in the program	Information of an organization where an administrator has privileges

Organization management

Add, delete or edit organizations in MagicInfo Server.

From the MagicInfo main page, select the **User** tab.

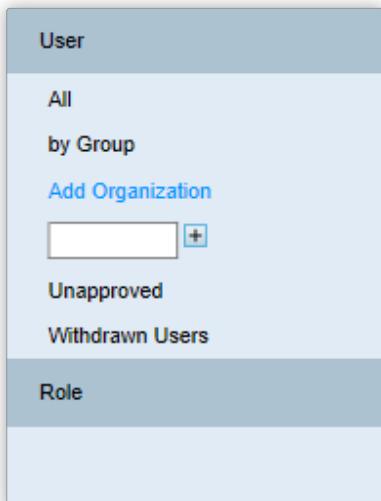
Creating an organization

Organizations are the largest units to categorize users. The general administrator can create organizations in MagicInfo Server.

Note

A new organization requires an organization administrator.

- 1 To create an organization, click **User > Add Organization**. The organization name input field appears.



- 2 Enter an organization name and click .
- 3 Enter information about the administrator in charge of the organization.

 A screenshot of the 'Add User' dialog box. It has two main sections: 'Default Information' and 'Organization Information'. The 'Default Information' section contains fields for User ID, User Name, Password, Confirm New Password, E-mail, Telephone, and Mobile Phone Number. The 'Organization Information' section contains fields for Organization (set to 'NewDivision'), Group (set to 'default'), Role (set to 'Administrator'), Team, and Position. At the bottom are 'OK' and 'Cancel' buttons.

Basic Information

User ID	Enter the organization administrator account ID. An organization administrator ID can be 5 - 20 characters long.
User Name	Enter the organization administrator name.
Password	Enter the password for the organization administrator account.
Confirm New Password	Enter the password for the organization administrator account again.
E-mail	Enter the e-mail address of the organization administrator.
Telephone	Enter the telephone number of the organization administrator.
Mobile Phone Number	Enter the cell phone number of the organization administrator.

Organization Information

Organization	Create an organization account using the organization information created previously.
Group	Create an organization administrator account under the default group.
Role	Create an organization administrator account with the Administrator role.
Team	Enter the department of the organization administrator.
Position	Enter the position of the organization administrator.

4 Enter the organization and basic information of the user. Next, click **OK**.

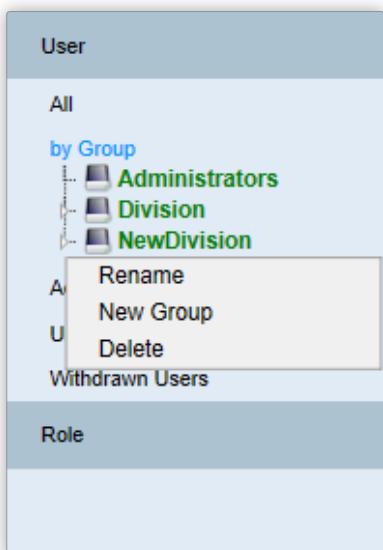
 **Note**

- A new organization requires an organization administrator.
- Fields with * cannot be left blank.

Deleting an organization

The SaaS administrator can delete organizations in MagicInfo Server.

- 1 To delete an organization, click **User > by Group**.
- 2 Select an organization and right-click on the mouse.



- 3 Click **Delete**. A warning prompt appears. Click **OK**.

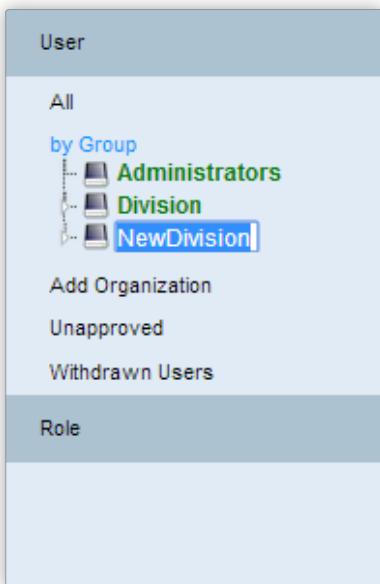
Note

- Ensure at least one organization exists in MagicInfo Server.
- Deleting an organization deletes all information on the organization.

Renaming an organization

The SaaS administrator can change the name of an organization.

- 1 To rename an organization, click **User > by Group**.
- 2 Select an organization and right-click on the mouse.



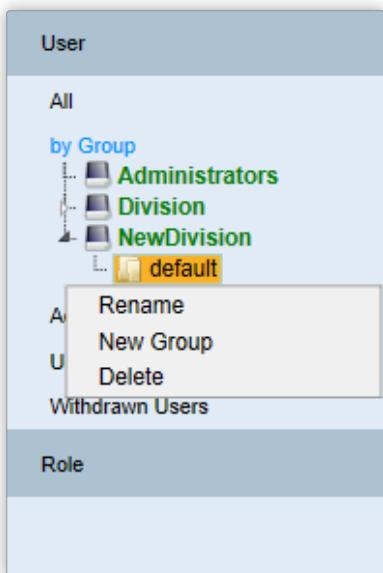
- 3 Click **Rename** and enter an organization name.

Group management

The SaaS administrator and organization administrators on MagicInfo Server can manage groups under the desired organization. From the MagicInfo Server main page, select the **User** tab.

Creating groups

- 1 To create a new group within an organization, click **by Group**.
- 2 Select a group and right-click on the mouse.



- 3 Click **New Group** and enter a group name.

Note

A user group cannot be created under the Administrators folder.

Moving a group

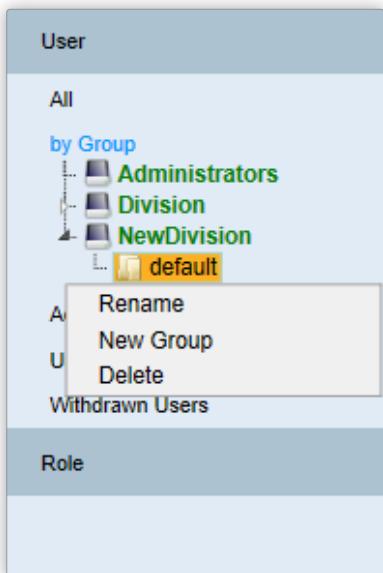
1 To manage groups, click **by Group**.

2 Drag a group to a desired location.

Deleting a group

1 To delete a group under an organization, click **by Group**.

2 Select a group and right-click on the mouse.



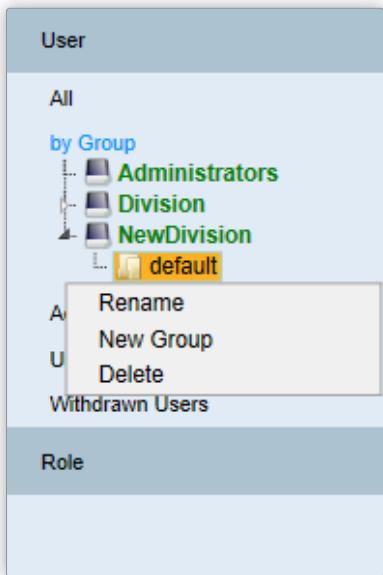
3 Click **Delete**.

Note

Deleting a group deletes content files saved in the group. Make sure to back up important data before deleting a group.

Renaming a group

- 1 To rename a group under an organization, click **by Group**.
- 2 Select a group and right-click on the mouse.



- 3 Click **Rename** and enter a group name.

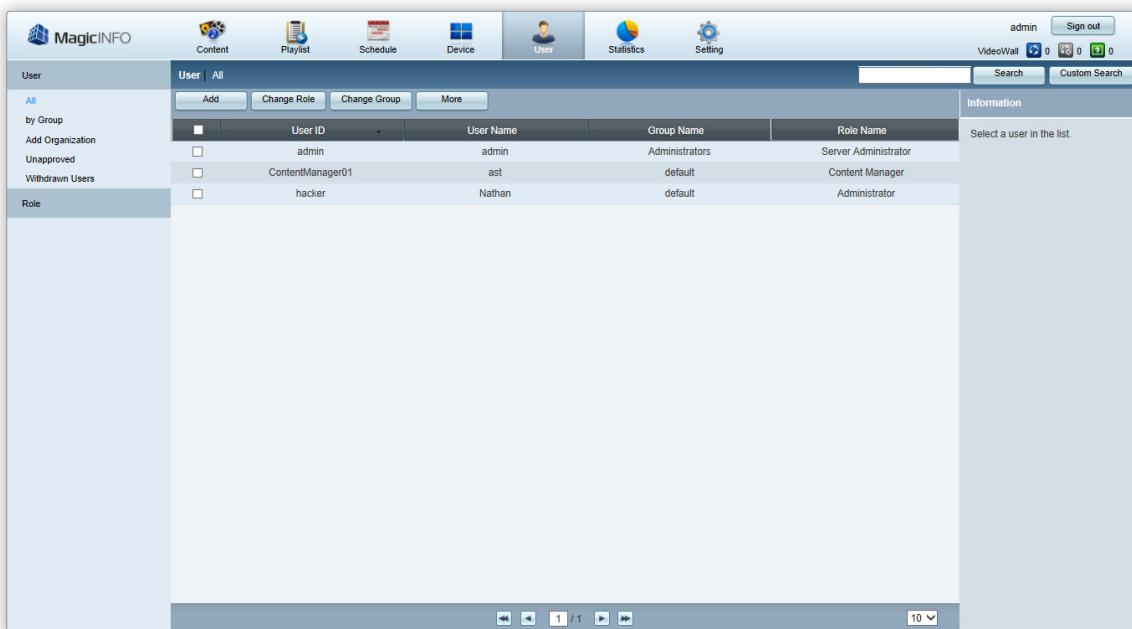
User management

The SaaS administrator can assign an organization to a new user when adding the new user.

From the MagicInfo Server main page, select the **User** tab.

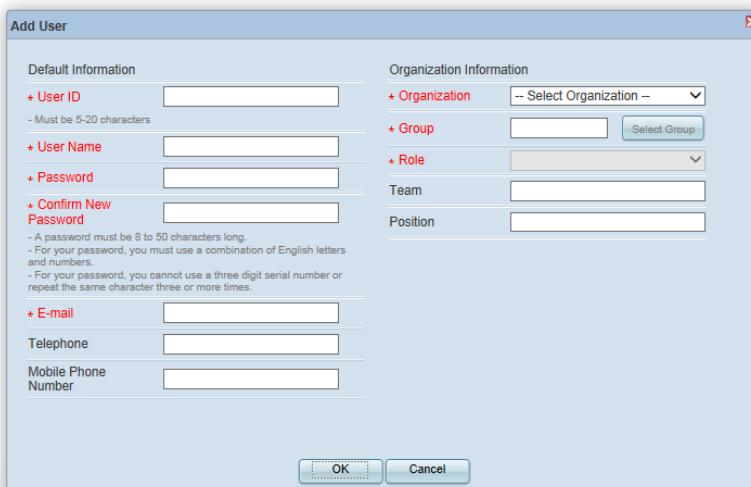
Adding users

- To add a new user to an organization, click **All**.



User ID	User Name	Group Name	Role Name
admin	admin	Administrators	Server Administrator
ContentManager01	ast	default	Content Manager
hacker	Nathan	default	Administrator

- Click **Add** to open the **Add User** window.



Add User

Default Information

* User ID - Must be 5-20 characters

* User Name

* Password

* Confirm New Password

- A password must be 8 to 50 characters long.
- For your password, you must use a combination of English letters and numbers.
- For your password, you cannot use a three digit serial number or repeat the same character three or more times.

* E-mail

Telephone

Mobile Phone Number

Organization Information

* Organization -- Select Organization --

* Group

* Role

Team

Position

Basic Information

User ID	Enter the user ID. A user ID can be 5 - 20 characters long.
User Name	Enter the user name.
Password	Enter the user account password.
Confirm New Password	Enter the user account password again.
E-mail	Enter the e-mail address of the user.
Telephone	Enter the telephone number of the user.
Mobile Phone Number	Enter the cell phone number of the user.

Organization Information

Organization	Select an organization to assign from the dropdown menu.
Group	Click Select Group to select a group under the selected organization. A group selection window appears.
Role	Assign a role to a user by selecting a role from the dropdown menu.
Team	Enter the department of the user.
Position	Enter the position of the user.

3 Enter the organization and basic information of the user to add. Next, click **OK**.

Note

When adding a user using organization administrator privileges, **Organization** cannot be changed.

Moving a user to a different organization

The SaaS administrator can move a user to a different organization.

- To move a user to a different organization, click All.

User ID	User Name	Group Name	Role Name
admin	admin	Administrators	Server Administrator
ContentManager01	ast	default	Content Manager
hacker	Nathan	default	Administrator

- Click the desired user checkbox and click **More** > **Change Organization** > **Selected Users**.

Selecting a group and then clicking **More** > **Change Organization** > **All Users** will move all users under the group to another group.

User ID	User Name	Group Name	Role Name
admin	admin	Administrators	Server Administrator
admin03	Samsung kim	default	Administrator
ContentManager01	ast	default	Content Manager
hacker	Nathan	default	Administrator

3 Select a new organization from the user organization modification window and click **OK**.



4 To move content files along with a user to the selected organization, click **Copy**.

 **Note**

Changes to an organization are complete upon approval from the SaaS administrator. Refer to the following for further details. [► Viewing users awaiting approval](#)

User role management

The SaaS administrator and organization administrators can add or assign user roles.

From the MagicInfo Server main page, select the **User** tab.

- An organization administrator is only authorized to assign roles to users under the organization where the administrator has privileges.
- The SaaS administrator can set privileges of a new user to all or group.
- Default roles and privileges cannot be edited.

Adding a user role

- To add a new user role, click **Role**.

Role Name	User Count	Role Scope
Administrator	2	Group
Content All Manager	0	All
Content Manager	1	Group
Content Schedule All Manager	0	All
Content Schedule Manager	0	Group
Content User	0	Group
Device All Manager	0	All
Device Manager	0	Group
Schedule All Manager	0	All
Schedule Manager	0	Group

- Click **Add** from the list of roles.

Add Role

Job Title: Maintenance Manager02

Role Scope: All Group

Select Role: Custom Role

	All	Read	Create	Manage
Content	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Log	<input type="checkbox"/>	<input type="checkbox"/>		
Playlist	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log	<input type="checkbox"/>	<input type="checkbox"/>		
Content Schedule	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Log	<input type="checkbox"/>	<input type="checkbox"/>		
Message	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
VideoWall Content Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VideoWall Content Schedule Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
VideoWall Message Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

- Enter information of the new role and click **Save**.

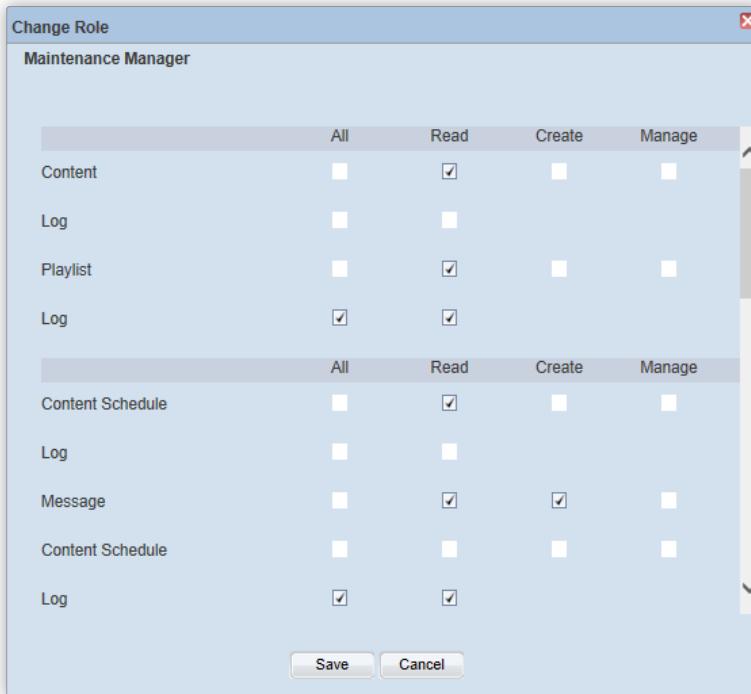
Editing a user role

- 1 To edit a user role, click **Role**.



Role Name	User Count	Role Scope
Administrator	2	Group
Content All Manager	0	All
Content Manager	1	Group
Content Schedule All Manager	0	All
Content Schedule Manager	0	Group
Content User	0	Group
Device All Manager	0	All
Device Manager	0	Group
Schedule All Manager	0	All
Schedule Manager	0	Group

- 2 Click the desired role checkbox from the list of roles and click **Edit**.



	All	Read	Create	Manage
Content	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log	<input type="checkbox"/>	<input type="checkbox"/>		
Playlist	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
	All	Read	Create	Manage
Content Schedule	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log	<input type="checkbox"/>	<input type="checkbox"/>		
Message	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Content Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

Note

A user role can also be edited by clicking **Edit** from the role details window after selecting a role.

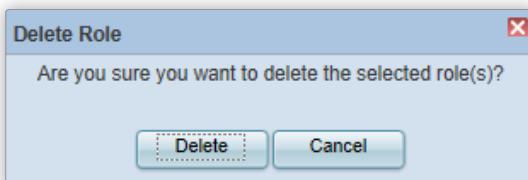
- 3 Edit the user role and click **Save** to update the user role.

Deleting a user role

1 To delete a user role, click **Role**.

Role Name	User Count	Role Scope
Administrator	2	Group
Content All Manager	0	All
Content Manager	1	Group
Content Schedule All Manager	0	All
Content Schedule Manager	0	Group
Content User	0	Group
Device All Manager	0	All
Device Manager	0	Group
Schedule All Manager	0	All
Schedule Manager	0	Group

2 Select the desired role checkbox and click **Delete**.



Exporting a list of roles

1 To save a list of user roles as a file, click **Role**.

Role Name	User Count	Role Scope
Administrator	2	Group
Content All Manager	0	All
Content Manager	1	Group
Content Schedule All Manager	0	All
Content Schedule Manager	0	Group
Content User	0	Group
Device All Manager	0	All
Device Manager	0	Group
Schedule All Manager	0	All
Schedule Manager	0	Group

2 Click **Export** from the list of roles. Next, select PDF or Excel for the file format.

Device management

Checking device status

The SaaS administrator can check the status of all devices currently connected to the server.



	View the number of devices connected to the server.
	View the number of disconnected devices that are saved on the server.
	View the number of connected devices that are not approved.
	View the number of connected devices with errors.
	View the number of connected devices with alarms.

Note

The client names of devices connected to MagicInfo Server are displayed in Premium/VideoWall format.

Approving devices

The SaaS administrator can approve a new device connected to MagicInfo Server. Refer to the following for further details. ► [Approval](#)

Guide for content playback

Learn how to send content files to MagicInfo Player from MagicInfo Server and play them on devices.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the SaaS administrator page is used as an example to explain all functions.

Adding media content files

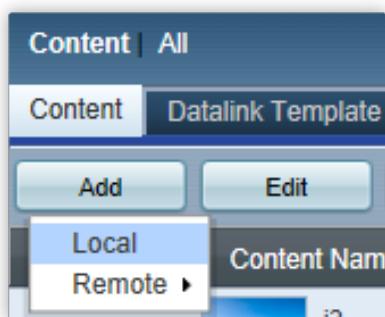
After connecting to the server and logging in, add content files to play on devices first.

From the MagicInfo Serve main page, select the **Content** tab.

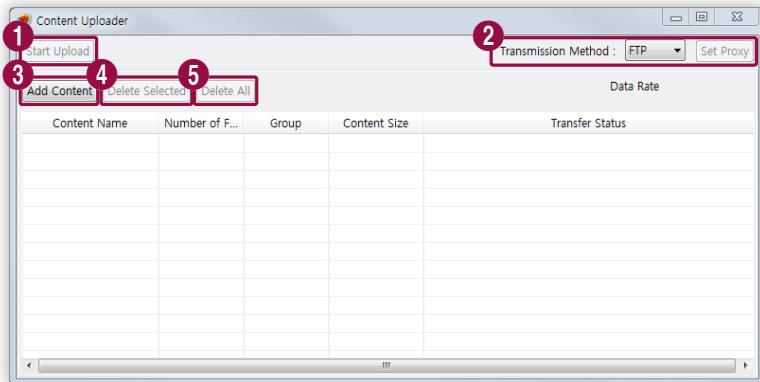
Adding local content files

Add content files saved on your computer.

- 1 Click All > Content > Add > Local. The file uploader window appears.



2 Click **Add Content**. Next, select a file to upload and click **Open**. The selected file is added to the upload list.



1 Upload content files on the upload list to the server.

2 Specify the file transfer mode (HTTP or FTP).
Configure the proxy settings if HTTP is selected as file transfer mode.

3 Add a content file on the computer to the upload list.

4 Delete the selected content file from the upload list.

5 Delete all content files from the upload list.

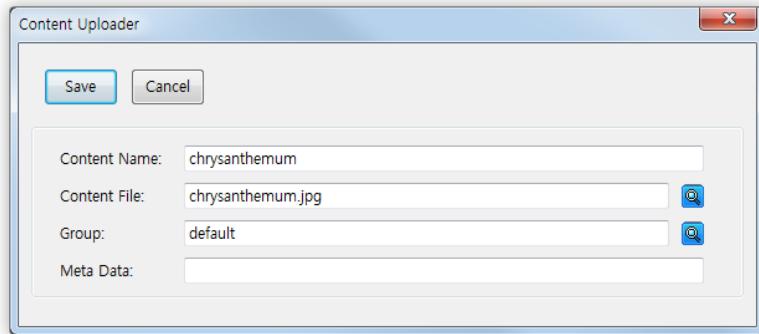
3 Double-click a content file on the upload list to configure basic information of the file.

4 Click **Start Upload**. The content file has been added.

Entering basic content file information

Double-click a content file on the list displayed on the file uploader window to enter basic file information.

Entered information can be edited after uploading the content file. Refer to the following for further details. [► Editing a content file](#)

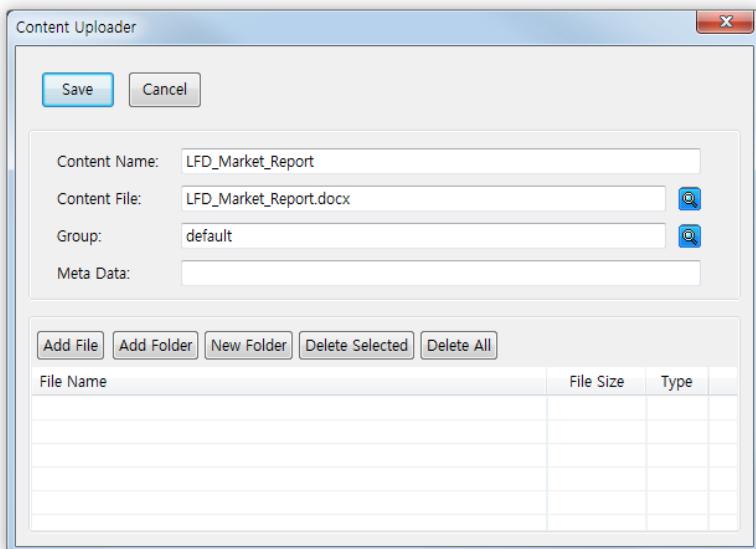


Content Name	Enter a content file name.
Content File	Click  to select a different content file.
Group	Click  to select a group for the selected content file. Content files are added to the default group if no group is assigned.
Meta Data	Enter meta information for a content file.

Adding multiple content files

Add a content file comprising multiple files and sub-folders using the following steps.

- 1 Add a main file (document or Flash) to the upload list.
- 2 Double-click the main file added to the upload list.
- 3 Add sub-files and sub-folders. Next, click **Save**. Multiple content files have been added.

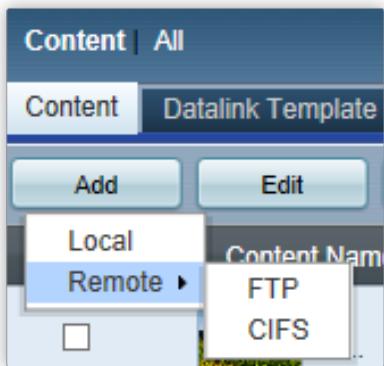


Adding content files from a remote location

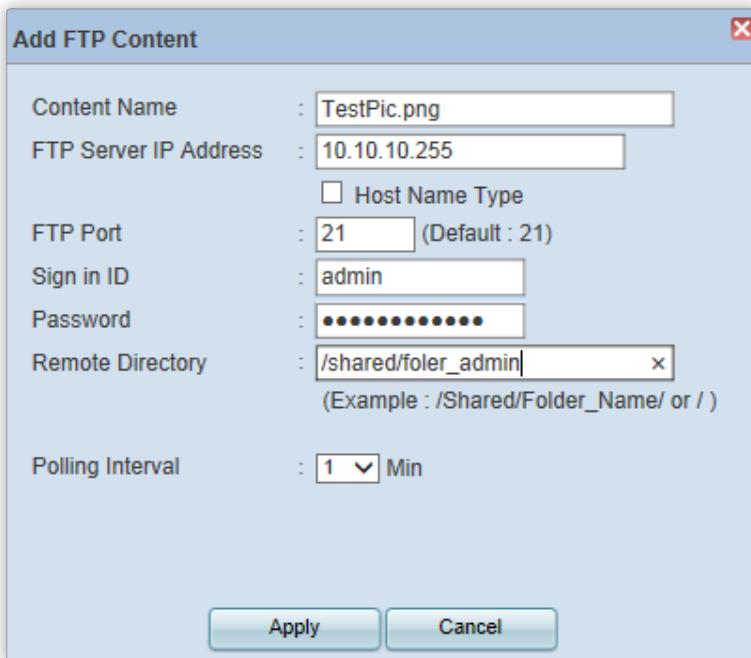
Add content files saved on a computer in a remote location. When a content file is added from a remote location, MagicInfo Server communicates with the source computer regularly to update the added content file.

Adding content files in FTP mode

- 1 Click All > Content > Add > Remote > FTP. The following window appears where a content file can be added.



- 2 Specify the FTP server to import a content file from.

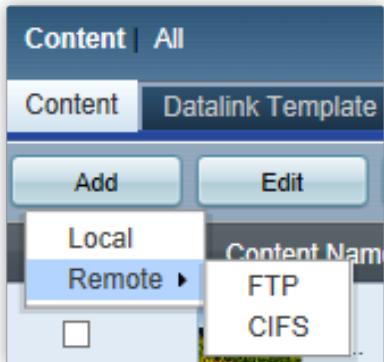


Content Name	Enter the FTP content file name.
FTP Server IP Address	Enter the IP address of the FTP server to import a content file from. To use host name input mode, select the Host Name Type checkbox and enter the host name of the FTP server.
FTP Port	Enter the port address of the FTP server to import a content file from.
Login ID	Enter the ID used to connect to the FTP server.
Password	Enter the password used to connect to the FTP server.
Remote Directory	Enter the location of the FTP folder where the content file is located.
Polling Interval	Set the interval to download data from the remote directory.

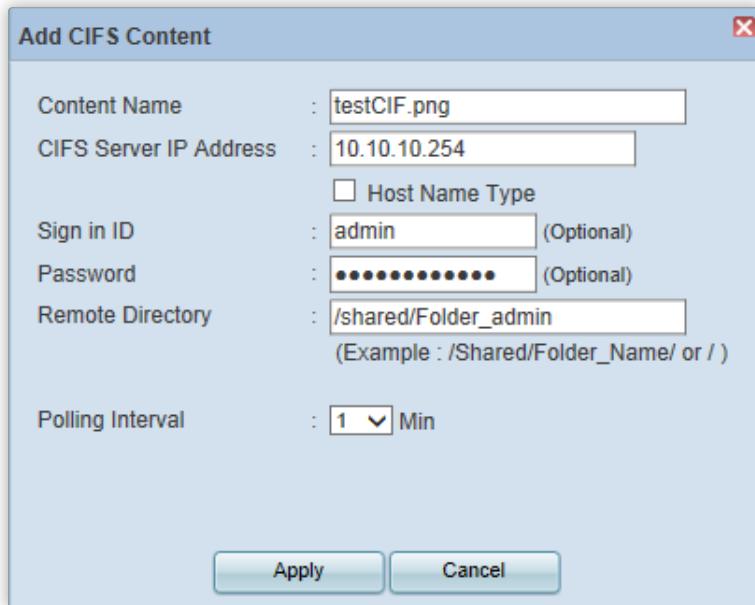
3 After configuring the required settings, click **Apply**. The content file has been added.

Adding content files in CIFS mode

1 Click All > Content > Add > Remote > CIFS. The following window appears where a content file can be added.



2 Specify the CIFS server to import a content file from.



Content Name	Enter the CIFS content file name.
CIFS Server IP Address	Enter the IP address of the CIFS server to import a content file from. To use host name input mode, select the Host Name Type checkbox and enter the host name of the CIFS server.
Login ID	Enter the ID used to connect to the CIFS server.
Password	Enter the password used to connect to the CIFS server.
Remote Directory	Enter the location of the CIFS folder where the content file is located.
Polling Interval	Set the interval to download data from the remote directory.

3 After configuring the required settings, click **Apply**. The content file has been added.

CIFS

Common Internet File System (CIFS) is a standard protocol that requests a file or service on a computer from a remote location over the internet. In the client-server model, the client initiates a file access or program message transfer request to the server of another computer. The server sends a response to the client for the request.

Adding devices

Add devices, to which content files will be distributed, to MagicInfo Server.

From the MagicInfo Server main page, select the **Device** tab.

Note

The SaaS administrator is only authorized to approve new devices. Refer to the following for further details. [▶ SaaS administrator](#)

- 1 To add a device to MagicInfo Server, click **Unapproved**. A list of devices connected to the server that are waiting for approval will appear.
- 2 If the desired device is not found on the list, click **Search Device**. It is possible to search for the device by entering the device IP address range.

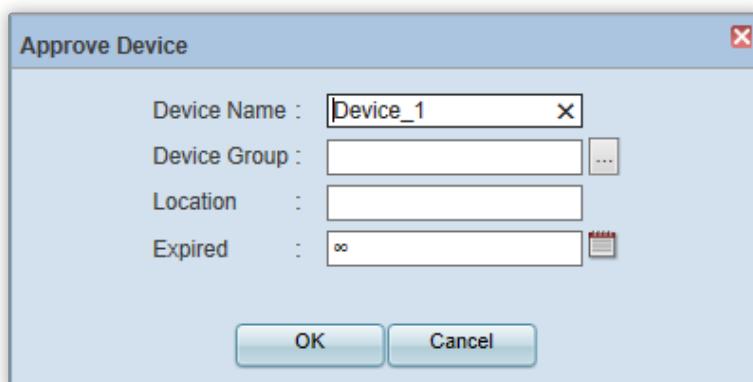
Note

The maximum IP search range is 50.

- 3 Select the device checkbox to approve and click **Approve** to open the **Approve Device** window.

To authorize multiple devices of the same model, select devices and click **Approve**.

To enter representative names of the devices, save the device names in the "representative name_(sequence number)" format.



Device Name	Enter a device name.
Device Group	Click <input type="button" value="..."/> to select an organization and group to assign to a device.
Location	Enter the location where a device is installed.
Expired	Specify the device expiration date.

- 4 Enter device information and click **OK**.

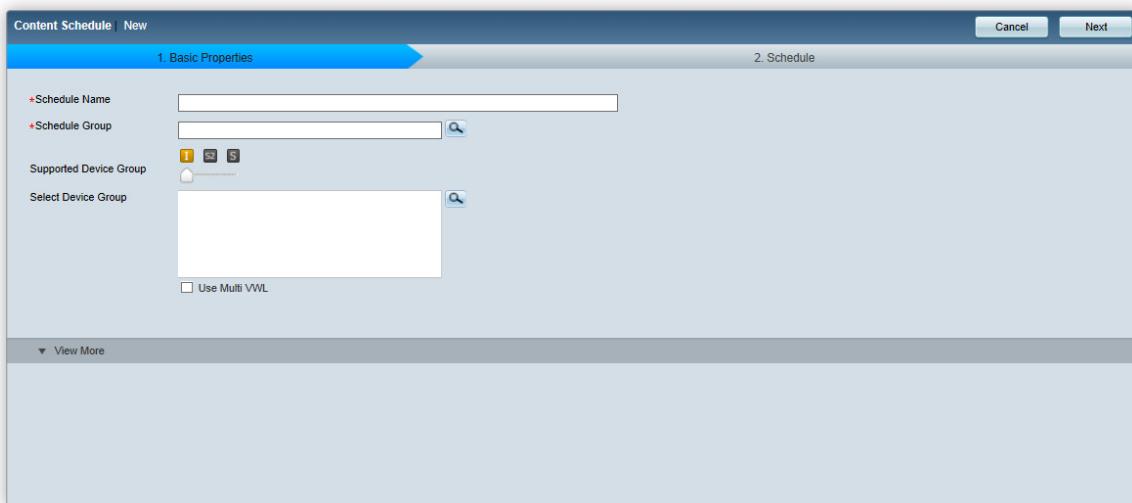
Adding a schedule

Create a schedule to add to devices saved in MagicInfo Server.

From the MagicInfo Server main page, select the **Schedule** tab.

Creating MagicInfo schedules

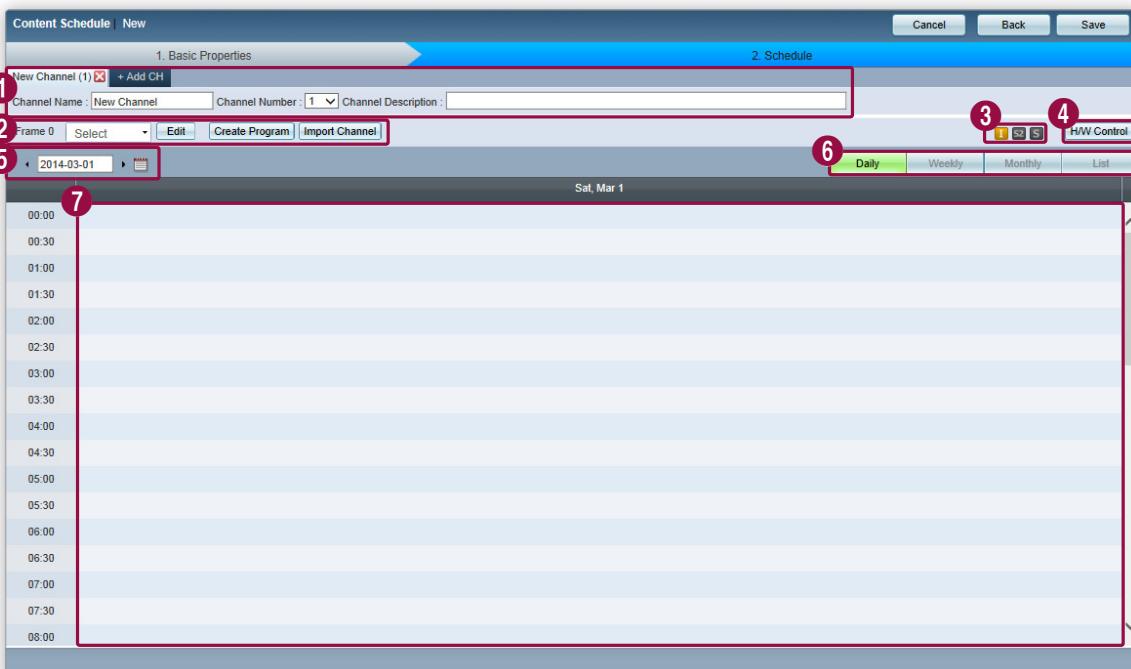
- 1 Select a group from **All** or **by Group**. Next, click **New**.
- 2 Configure the basic settings for a schedule. Click **View More** to view additional settings.



Schedule Name	Specify the schedule name. A single schedule name cannot be used more than once.
Schedule Group	Click to select a group for the schedule.
Device Type	Specify the type of device to distribute the schedule to.
Select device	Select a device to distribute the schedule to. Devices can be selected by group. Individual devices cannot be selected.

Content Synchronization	Enable or disable the mode to sync content files. Content file synchronization is a function that syncs playback times when a content file is played on multiple devices that share the same schedule. This function is only available on devices on the same network.
Deploy with Reservation	<ul style="list-style-type: none"> Deploy Now: Distribute a schedule immediately after the schedule is added to the server. Distribution time cannot be set if this mode is enabled. Time to Deploy: Distribute a schedule at a specified time. All requests for schedule changes are saved up until the specified distribution time. These changes are applied all at once when the schedule is distributed.
Background Music	Select a content file to be used as the background music of a schedule. If a content file used in a schedule is a video that contains sound, the sound is replaced by the specified background music and only the video is played. Select the Play with content checkbox to play the content file sound and background music at the same time.
Description	Enter description of a schedule.

3 After configuring the required settings, click **Next**. Configure detailed settings for the schedule in the page displayed.



Configure channel names, numbers and descriptions. To add a channel, click **Add CH**. To delete a channel, click .

What is a channel?

A channel is similar to a TV broadcast channel. Add channels when creating a schedule and then distribute the channels to devices. This allows you to play desired content by changing device channels. Refer to the following for further details on changing channels.  [Changing a schedule channel](#)

Select a screen frame of a device that will receive a distributed schedule. Play a content file on the device screen split according to the selected frame. To add a frame, click **Edit**.

2 Refer to the following for further details on frame settings. [► Frame layout settings when creating a schedule.](#)

3 The type of device to distribute schedules to and the available amount of disk space on the device are shown.

When creating a schedule, configure constraints to prevent the schedule from being executed at a specified time slot.

4 Refer to the following for further details on configuring the schedule constraints [► Constraint settings when creating a schedule](#)

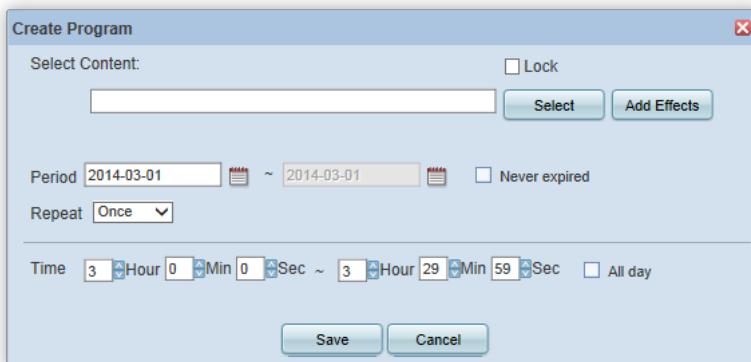
5 Select a date to assign a schedule.

Specify the time unit of a timetable to assign a schedule to. Timetables can be selected daily, weekly or monthly.

- **Daily:** View a daily timetable.
- **Weekly:** View a weekly timetable.
- **Monthly:** View a monthly timetable.
- **List:** View content file playback schedules assigned to a timetable as a list.

7 Select a time slot for content file playback by clicking or dragging.

4 Specify the time slot for content file playback by dragging or clicking a time slot from the timetable. The program creation window appears.



Select Content

Select a content file or playlist to distribute to a device.

- If you do not want content or playlists to be edited inadvertently, select the **Safety Lock** checkbox.
- To configure content transition effects, select the **Add Effects** checkbox. Transition effects cannot be added when a playlist or MagicInfo Player S is in use.

Period	Specify the period to execute a schedule. <ul style="list-style-type: none"> To run a schedule continuously, select the Repeat Infinitely checkbox.
Repeat	<ul style="list-style-type: none"> Once: Execute a schedule only once. Daily: Repeat a schedule every day. Weekly: Repeat a schedule on the specified day(s). Monthly: Repeat a schedule on the specified dates of every month.
Time	Set the time to play a content file. To play content continuously over a specified period of time, select the All Day checkbox.

- After configuring the required schedule settings, click **Save**. A schedule is added to the timetable.
It is possible to edit a schedule assigned to a timetable. Refer to the following for further details [► Controlling a schedule assigned to a timetable](#)
- Click **Finish**. A schedule has been added.

Note

It is possible to distribute videowall schedules to devices that have videowall layouts configured. Refer to the following for further details. [► Creating VideoWall layout schedules](#)

LFD settings

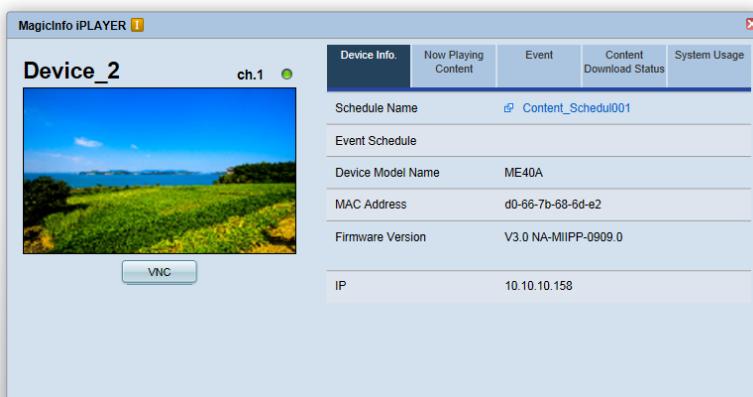
After a schedule is distributed to a device, remotely change the device settings to suit the scheduled content file settings or view the device information.

To configure a device, click the **Device** tab from the main page.

Monitoring

View the status of content files and schedules assigned to devices connected to MagicInfo Server.

- To view the status of a device in detail, click the device from the list.



Device Info.	<p>View information about a device.</p> <p>To check the UI connectivity for a distributed schedule, click .</p>
Now Playing Content	<p>View details of a content file playing on a device.</p> <p>To check the UI connectivity for a playing content file, click .</p>
Event	View event details registered on a device.
Content Download Status	View the status of content downloaded on the device.
System Usage	<p>View the system usage for a device in a graph.</p> <p>To view the system usage, click Start.</p>

Note

Refer to the following for further details on UI connectivity.  [Viewing UI connectivity of a device](#)

- 2 To remotely view and configure devices connected to the server, click **VNC**. The current screen output of the device appears in a new window.

Note

The remote access function is available in MagicInfo Player 1. If a remote server is registered on the server, simple functions on MagicInfo Player S2 can be controlled remotely. Refer to the following for further details on the MagicInfo Player S2 remote server.  [Managing a MagicInfo Player S2 remote server](#)

Viewing a screenshot image

To view a screenshot image captured from a device, select **screenshot** from the dropdown list.

Note

- An image will not appear if no screenshot image has been saved.
- MagicInfo Player S does not support the feature to view screenshot images.
- It is possible to set the cycle to capture screen output by selecting a device from the Setting tab.

Information

View detailed information of a device.

Editing device information

- To edit detailed information of a device, select the device checkbox from the **Information** tab and click **Edit**.

	Edit basic information of a device.
Basic Information	<ul style="list-style-type: none"> Device Name: Change a device name. Device Model Name: Change a device model name.
Network	<p>Edit the network settings for a device.</p> <ul style="list-style-type: none"> IP: Change the IP address. Subnet Mask: Change the subnet mask settings. Gateway: Change the gateway settings. DNS Server (Primary): Change the default DNS settings. DNS Server (Secondary): Change the secondary DNS settings. Port: Change the port settings.

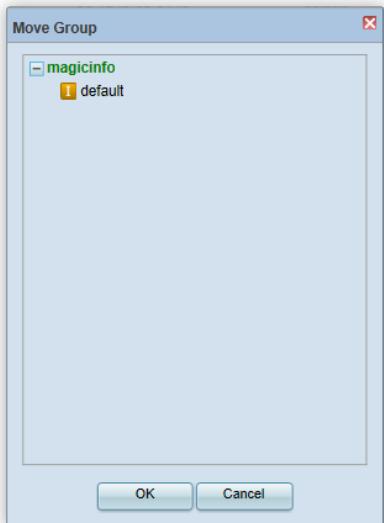
- Change the settings as desired and click **Save**.

Note

Unique information of a device cannot be edited.

Changing a device group

- 1 To change the group of a device, select the device checkbox and click **Move**.



- 2 Select a new group and click **OK**.

Deleting devices

To delete a device from a list of devices after disconnecting the device from the server, click the device checkbox and click **Delete**.

Displaying/hiding items

To select items to display on the device list, click **Edit Column**.

Time

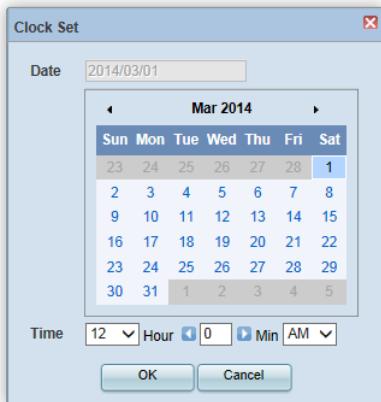
Configure the on/off timer and holiday settings for a device.

Note

To set the on/off timer and holidays, make sure the current time is set.

Setting the current time

- 1 To set the current time on a device, select the device checkbox from the **Time** tab and click **Clock Set**.

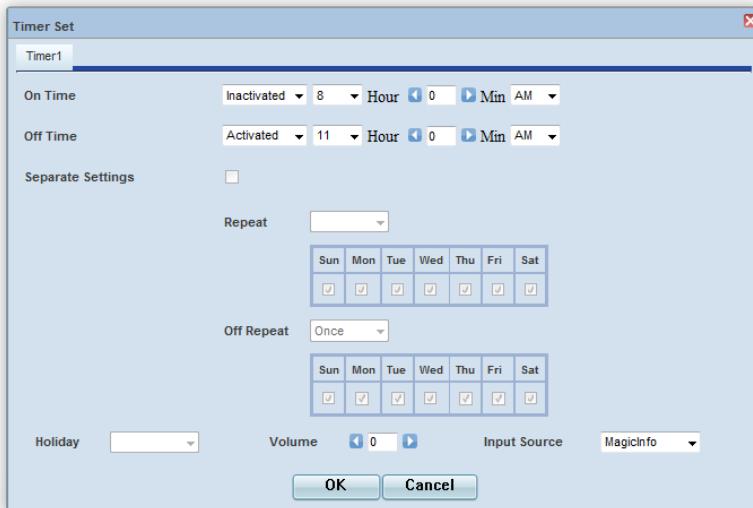


- 2 Enter the date and time, and then click **OK**.

Timer settings

Use a device efficiently by configuring the on/off timer and holiday settings.

- 1 Select the desired device checkbox and click **Timer Set**.



On Time	Set the on timer of the device.
Off Time	Set the off timer of the device.
Separate Settings	<ul style="list-style-type: none"> ▪ Repeat: Set the cycle to repeat the on timer. ▪ Off Repeat: Set the cycle to repeat the off timer.
Holiday	Select Apply if you do not want a device to operate on the dates selected as holidays.
Volume	Configure the device volume.
Input Source	Specify the device input source.

Note

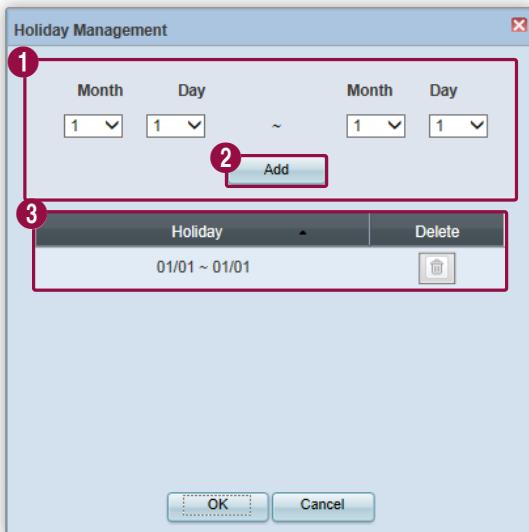
Separate Settings may not be available on some models. Contact the dealer the program was purchased from for further details.

- 2 Configure the settings as desired and click **OK**.

Holiday management

Assign holidays to a device to prevent the device from operating on specified days.

- 1 Select the desired device checkbox and click **Holiday Management**.



- 1 Set the holiday period for a device by entering months and days. Make sure the start day of a holiday is not later than the end date.
- 2 Click **Add** to add the specified holiday period to a list of holidays.
- 3 The added holiday can be found in the list. Click  to delete a holiday from the list.

Settings

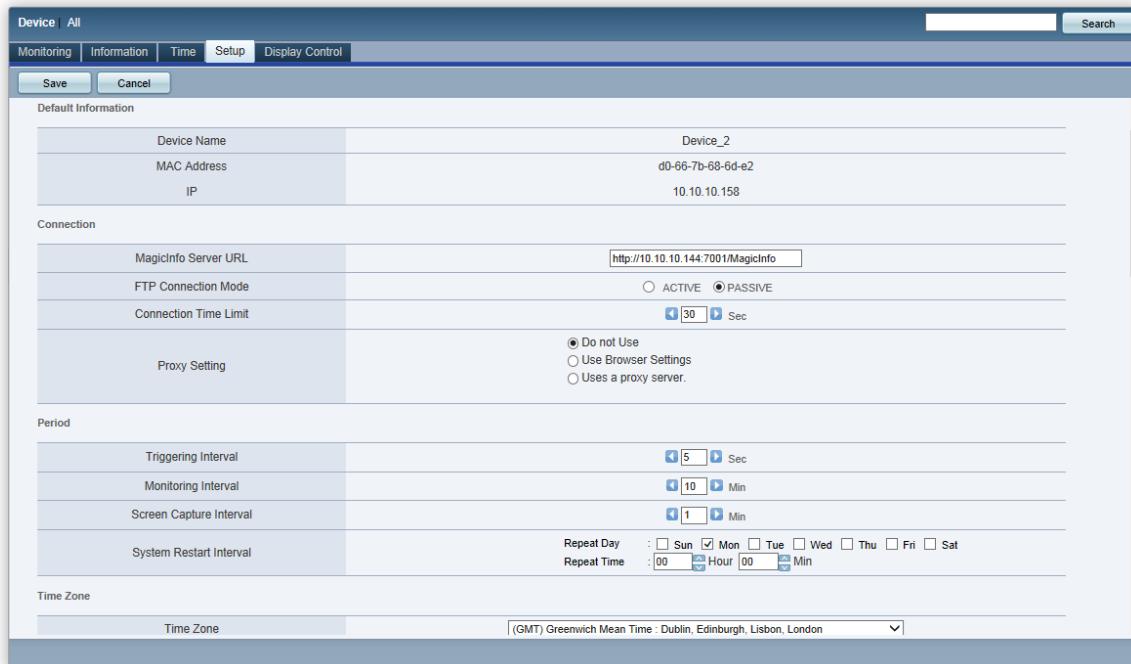
View and change device settings.

Note

It is not possible to change the settings of a disconnected device.

Changing device settings

- 1 To change the settings of a device, select the device checkbox from the **Setting** tab and click **Edit**.



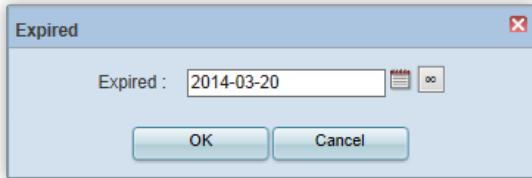
2 Change the settings as desired.

Device Name	View the model name.
Device ID	View the device ID.
IP	View the IP address.
MagicInfo Sever URL	Configure the server URL.
FTP Connection Mode	Configure the FTP connection mode.
Connection Time Limit	Set the maximum waiting time before disconnecting from the server if communication is not made with the FTP server for a specified period of time.
Proxy Setting	Enable or disable the proxy server. Edit the settings if required.
Triggering Interval	Specify the triggering cycle.
Monitoring Interval	Specify the monitoring cycle.
Screen Capture Interval	Specify the screen capture cycle. The range is 1 to 180 minutes.
System Restart Interval	Specify the device system restart cycle.
	Configure the time zone and daylight saving time settings.
Time Zone	<p> Note</p> <p>Daylight Saving Time, also known as Summer Time, is a system that advances clocks one hour forward in summer.</p>
Tunneling Server	Specify the tunneling server IP address.
VNC Password	To change the VNC password, select a device from the list. Next, click Change VNC Password from the detailed settings page.
Repository Path	Specify the location to save content files to.
Management Folder Path	Specify the location of the client management folder.
Log Management	<p>Specify the log level, the log storage period and the storage space size for logs.</p> <p> Note</p> <p>Content files are deleted automatically when the period has expired or the space is full.</p>

Content file management	Specify the period to keep content files saved on a computer. Specify the size of the space to keep content files.
	 Note Content files are deleted automatically when the period has expired or the space is full.
Proof of Play Management	Specify the period to keep playback logs and the size of the space to keep logs.
	 Note Content files are deleted automatically when the period has expired or the space is full.
Auto IP set	Enable to automatically assign an IP when a device is connected.
Auto Computer name set	Enable to assign a computer name automatically when a device is connected.
Only Download Server	Download content from a download server only.
Download Server	Select a download server to download content from.
Maximum Available Storage Size	Specify the storage size for DataLink files.
Loading Interval to play	Set the time to load data from a DataLink server before the next content file on a schedule is played.
Play Waiting Time	Set the waiting time before the next content file plays. This applies to the case when the current content file does not play until data is loaded from the DataLink server.
Settings	Display or hide the content file download status.
Job Unit	Select a unit used to display the content file download status.
Interval	Specify the refresh interval.
Screen Rotation	Rotate the screen according to the device orientation (landscape or portrait).
Computer name	Specify the name of the computer where the server is installed.
Use MagicInfo Player	Enable to use MagicInfo Player on a device. Setting MagicInfo Player to FALSE disables the functions related to content files, content playback and schedules.
Reset Password	Reset the password of MagicInfo Player to the default. The default password is 000000.
Background Color	Specify the background color of the MagicInfo Player main page.

Changing the device expiration date

- 1 To change the expiration date for a device, select a device checkbox and click **Expired**.



- 2 To set the expiration date to a desired date, click .
 - To use the device continually without an expiration date, click .

Assigning a tag to a device

Assign a tag to a device. This allows the device to selectively display information or play content files in a playlist or DLK element that have the same tag.

- 1 To assign a tag to a device, click **Setup > Tag**.
- 2 Select the desired tag checkbox, and click **OK**.

Note

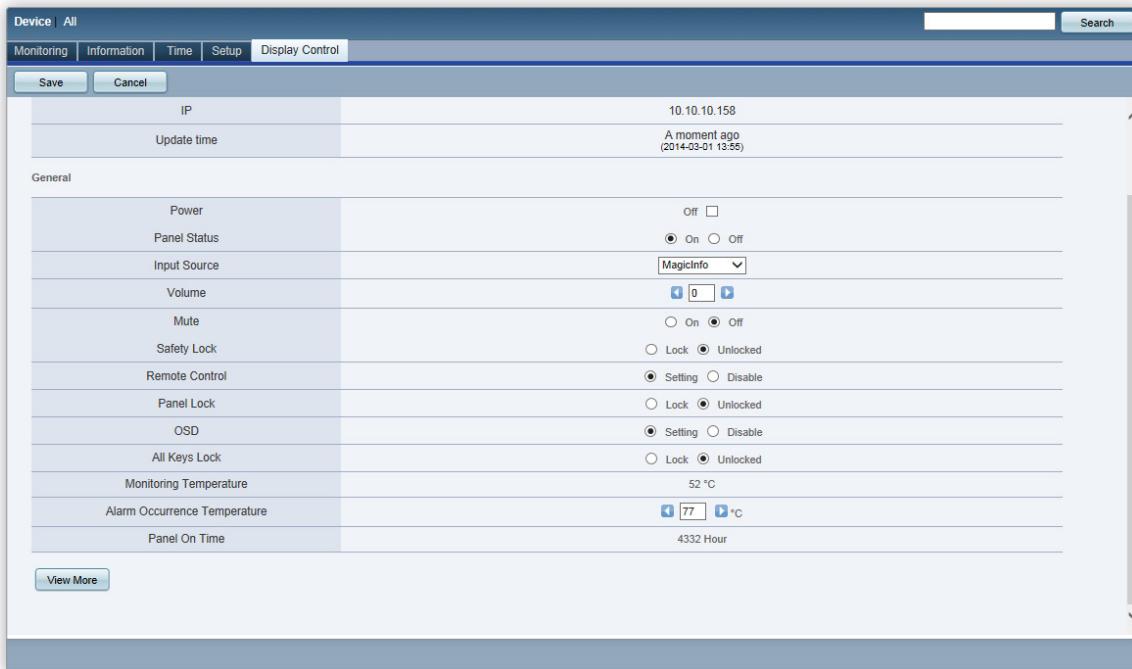
To assign a tag to a device, first make sure to add the tag to the server. Refer to the following for further details on adding or editing tags. [► Managing tags](#)

Display Control

Control display settings.

Controlling a display

- 1 To control a display, click the **Display Control** tab.
- 2 Select the desired device checkbox and click **Edit**.
To edit detailed settings, click **View More**.



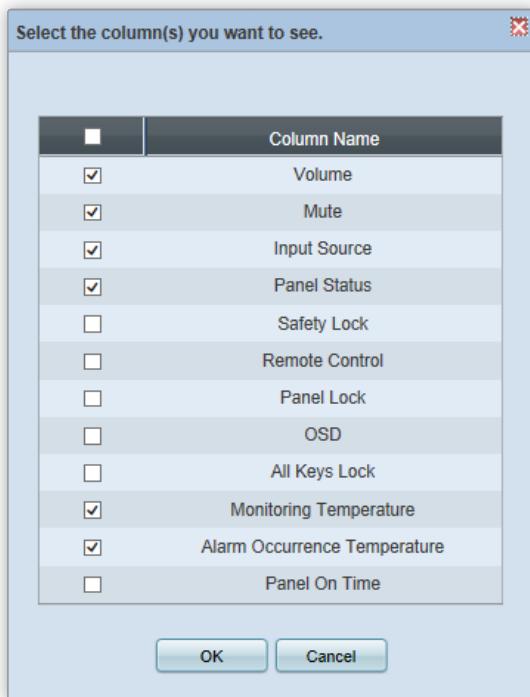
- 3 Configure the items to control and click **Save**.

Note

- It is not possible to change the settings if a device is turned off or disconnected.
- Functions that can be controlled may vary depending on the input source.

Displaying/hiding items

To select items to display on the device list, click **Edit Column**.



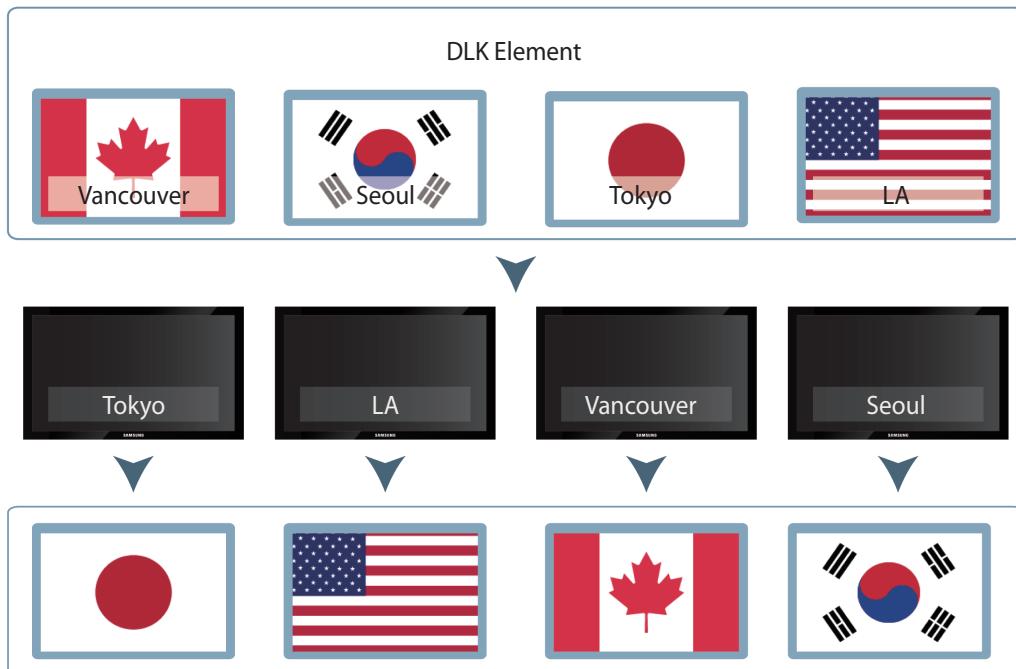
Changing a schedule channel

Change a device channel using one of the following options:

- Option 1** Change the channel using the device remote control.
- Option 2** Select a device checkbox from the device list and then change the channel using the dashboard function.
- Option 3** Go to **Device > Display Control**. Select a device checkbox and click **Channel**.

Using tags

Assign a tag to a device and content files. This allows you to selectively play content files on a specific device.



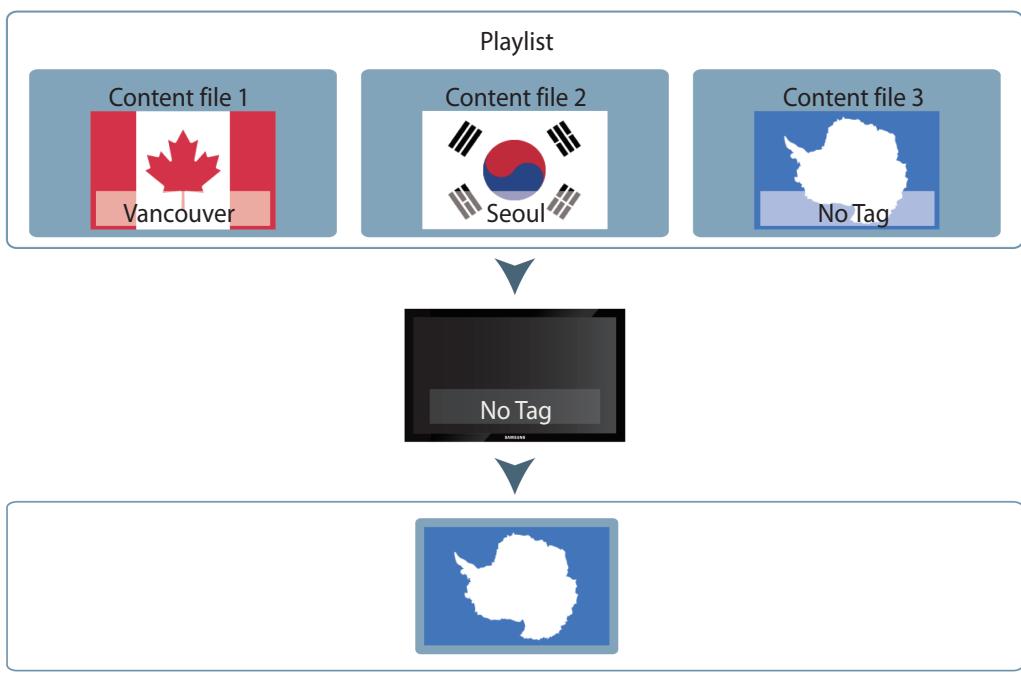
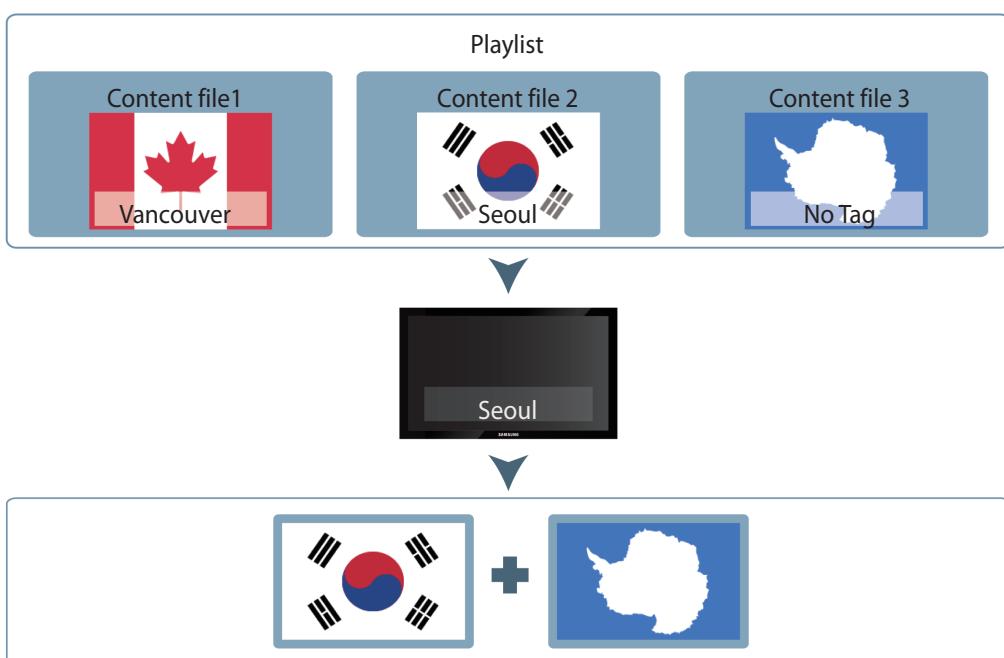
Example of using tags

Playlist tags

Assign different tags to content files in a playlist. This allows a device with a tag to selectively play content files in a playlist that have the same tag.



Insert multiple tags into a single content file, if required. Refer to the following for further details on using multiple tags. [► Using multiple tags](#)

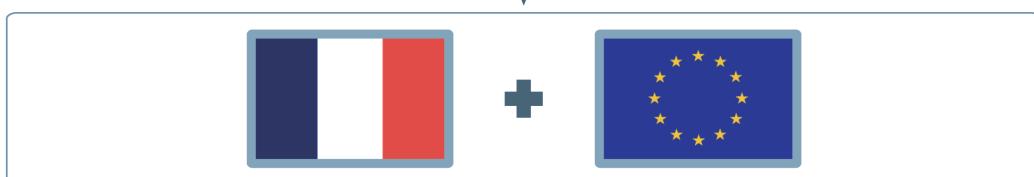
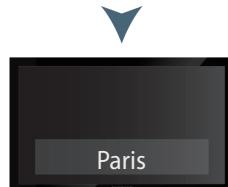
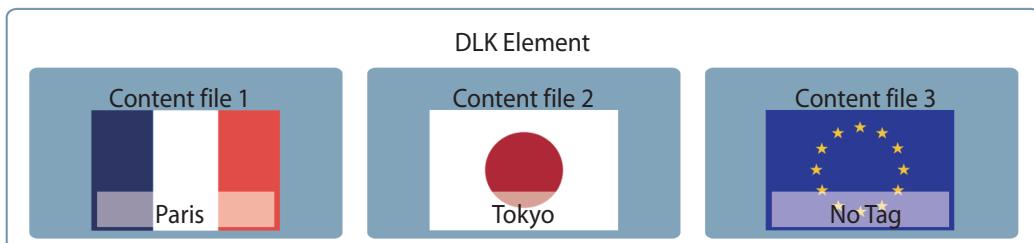


DLK tags

Elements that can be inserted into a DLK template include image, text, and video files. Users can map various content files into a DLK template. Assign different tags to content files. This allows a device with a tag to selectively play content files that have the same tag.

Note

Insert multiple tags into a single content file, if required. Refer to the following for further details on using multiple tags. [► Using multiple tags](#)



DataLink tags

Similar to content files, DLK data use tags saved on the server as Main Tag.

DLK data display complex and variable information. DataLink Tag allow you to selectively display information as desired.

DataLink Tag example

- 1 To display "weather for each city" on multiple devices, add the current weather data column as DataLink content.

Data Link

IDX	DL_CITY	DL_CURR_TEXT	DL_CURR_TEMP	DL_CURR_DATE	DL_FORECAST_DAY	DL_FORECAST_DATE	DL_FORECAST_TE	DL_CAMP_LOW
1	Seoul	Fair	-2	Wed, 20 Feb 2013 5:00 pm KST	Thu	21 Feb 2013	-5	
2	New York	Fair	2	Wed, 20 Feb 2013 2:49 am EST	Thu	21 Feb 2013	-4	
3	San Francisco	Partly Cloudy	5	Tue, 19 Feb 2013 11:56 pm PST	Wed	20 Feb 2013	6	
4	Los Angeles	Cloudy	8	Tue, 19 Feb 2013 11:48 pm PST	Wed	20 Feb 2013	5	
5	Tokyo	Partly Cloudy	7	Wed, 20 Feb 2013 5:30 pm JST	Thu	21 Feb 2013	-1	
6	Beijing	Fair	5	Wed, 20 Feb 2013 5:00 pm CST	Thu	21 Feb 2013	-3	

OK Cancel

- 2 Select the "city name" data column as the DataLink Tag value.

Data Link

IDX	DL_CITY	DL_CURR_TEXT	DL_CURR_TEMP	DL_CURR_DATE	DL_FORECAST_DAY	DL_FORECAST_DATE	DL_FORECAST_TE	DL_CAMP_LOW
1	Seoul	Fair	-2	Wed, 20 Feb 2013 5:00 pm KST	Thu	21 Feb 2013	-5	
2	New York	Fair	2	Wed, 20 Feb 2013 2:49 am EST	Thu	21 Feb 2013	-4	
3	San Francisco	Partly Cloudy	5	Tue, 19 Feb 2013 11:56 pm PST	Wed	20 Feb 2013	6	
4	Los Angeles	Cloudy	8	Tue, 19 Feb 2013 11:48 pm PST	Wed	20 Feb 2013	5	
5	Tokyo	Partly Cloudy	7	Wed, 20 Feb 2013 5:30 pm JST	Thu	21 Feb 2013	-1	
6	Beijing	Fair	5	Wed, 20 Feb 2013 5:00 pm CST	Thu	21 Feb 2013	-3	

OK Cancel

3 Each device with a tag imports and displays weather information for a city corresponding to the DataLink Tag value that matches their tag.

For example, a device with a tag set to Seoul displays Fair. A device with a tag set to Tokyo displays Mostly Cloudy.

IDX	DL_CITY	DL_CURR_TEXT	DL_CURR_TEMP	DL_CURR_DATE	DL_FORECAST_DAY	DL_FORECAST_DATE	DL_FORECAST_TEMP_LOW	DL_AS_H
1	Seoul	Fair	-7	Wed, 20 Feb 2013 9:00 am KST	Thu	21 Feb 2013	-5	
2	New York	Light Rain	7	Tue, 19 Feb 2013 6:49 pm EST	Wed	20 Feb 2013	-5	
3	San Francisco	Mostly Cloudy	9	Tue, 19 Feb 2013 3:56 pm PST	Wed	20 Feb 2013	6	
4	Los Angeles	Mostly Cloudy	12	Tue, 19 Feb 2013 3:48 pm PST	Wed	20 Feb 2013	4	
5	Tokyo	Mostly Cloudy	4	Wed, 20 Feb 2013 9:30 am JST	Thu	21 Feb 2013	-2	
6	Beijing	Sunny	-3	Wed, 20 Feb 2013 9:00 am CST	Thu	21 Feb 2013	-2	
7	Shanghai	Fair	5	Wed, 20 Feb 2013 9:00 am CST	Thu	21 Feb 2013	4	
				Wed, 20				

Note

- It is possible to use the Main Tag and a DataLink Tag together.
- A data table cannot have multiple DataLink Tag.
- Refer to the MagicInfo DataLink user guide for further details on DataLink.

Using multiple tags

Assign multiple tags to a single device or content file, if required. Select tags from the list. Next, select the **And** or **Or** condition.

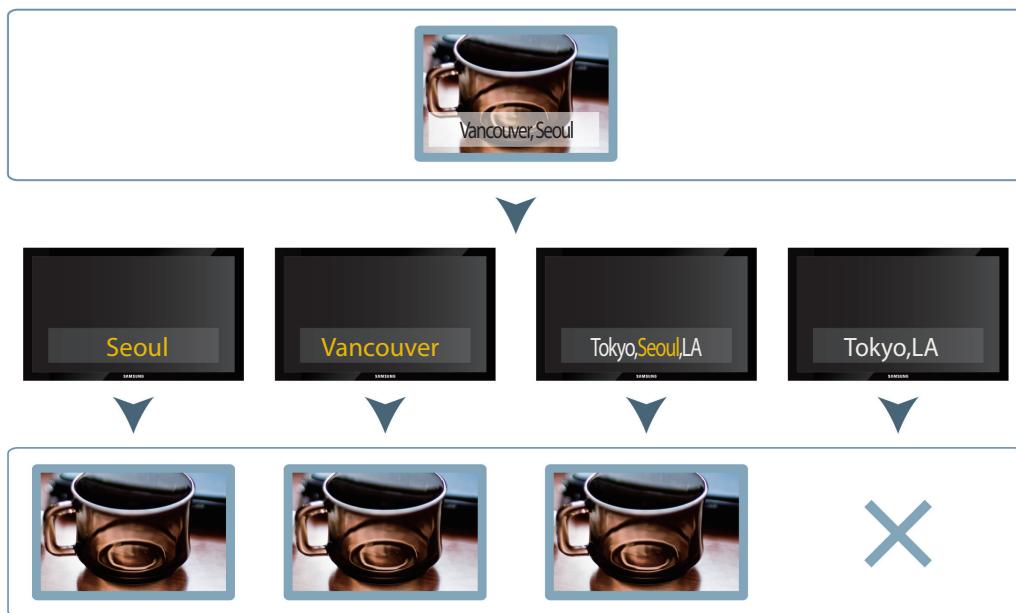
And condition

Content is played on a device that has all the tags assigned to the content.



Or condition

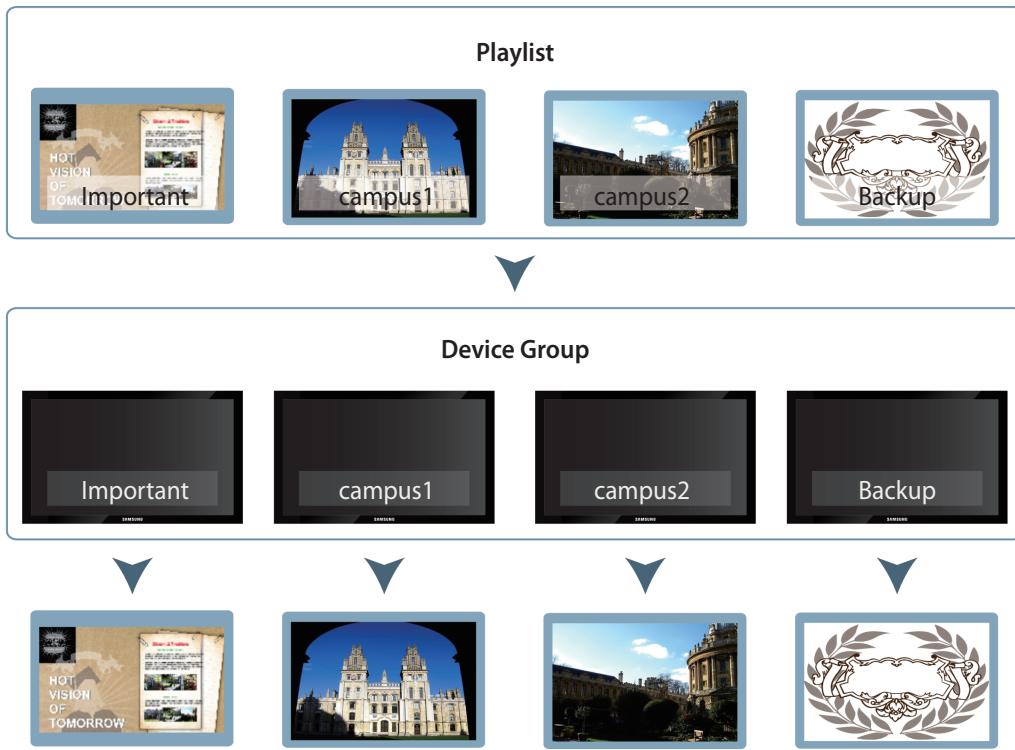
Content is played on a device that has at least one of the tags assigned to the content.



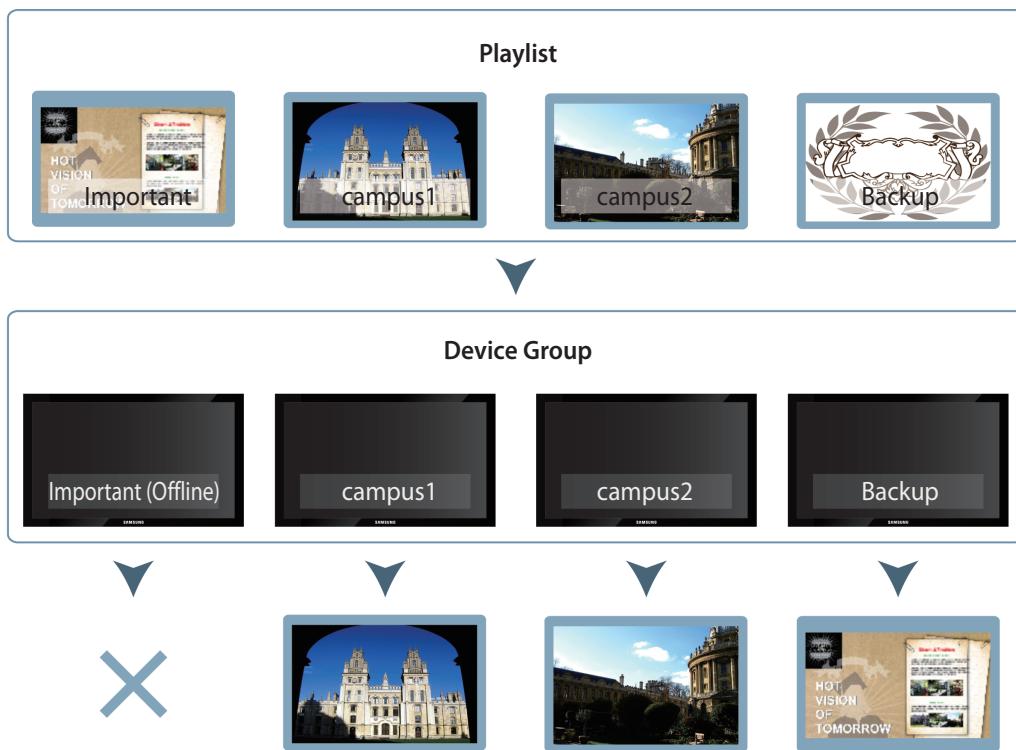
Using Backup Play

If a device playing important content is disconnected from the network or the device's input source changes, a device with Backup Play configured will detect the change and continue to play content from the backup.

Normal



Backup Play



Server settings

- 1 Click the **Setting** tab > **Server management** > **Server Settings** > **Edit**.
- 2 Select the **Enable** checkbox next to **Backup Play**, and then click **Save**.

Server Settings

General

Device Refresh Interval	<input type="text" value="10"/> <input type="button" value="Sec"/>
Device Update Frequency	<input type="text" value="180"/> <input type="button" value="Min"/>
MagicInfo-i Lite Menu On	<input checked="" type="checkbox"/> Enable
MagicInfo-i VideoWall Menu On	<input checked="" type="checkbox"/> Enable
Sign Up	<input checked="" type="checkbox"/> Enable
Premium Device Permissions	<input type="checkbox"/> Enable
Backup Play	<input checked="" type="checkbox"/> Enable

SMTP Server

Enable Alarm Mailing	<input type="checkbox"/> Send a mail to the administrator when an alarm occurs.
Server Address	<input type="text"/>
Authentication	<input type="checkbox"/> Enable
Sign in ID	<input type="text"/>
Password	<input type="text"/>
Port	<input type="text"/>
SSL	<input type="checkbox"/> Enable

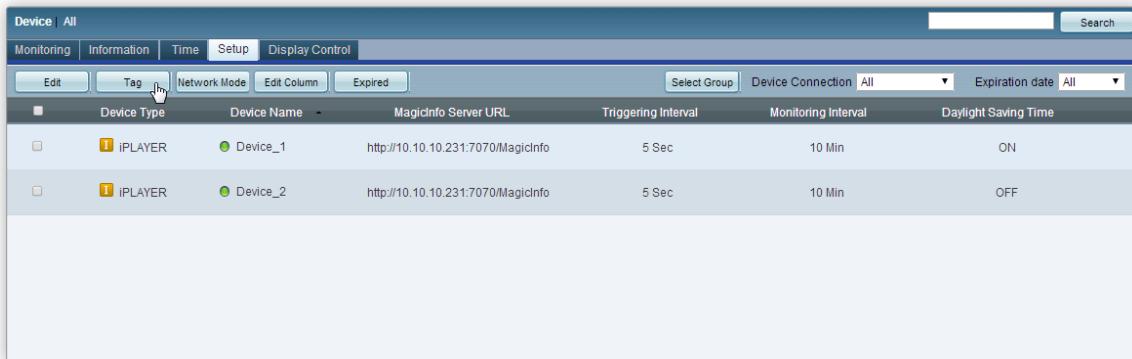
E-mail Alarm for Disconnected Device

Use	<input type="checkbox"/> Enable
-----	---------------------------------

Save Cancel

Device settings

- 1 Go to the **device** tab > **by Group**, and then assign the main device and backup play device that will play content to the same group.
- 2 Select **Setup**, and then select the checkbox for the main device that will play content from the list. Click **Tag**.



The screenshot shows the 'Device' tab with the 'All' filter selected. The 'Tag' button is highlighted with a mouse cursor. The table lists two devices: 'Device_1' and 'Device_2', both of which are iPLAYER type devices connected to MagicInfo Server URLs. The 'Triggering Interval' for both is 5 Sec, and the 'Monitoring Interval' is 10 Min. The 'Daylight Saving Time' is set to ON for Device_1 and OFF for Device_2.

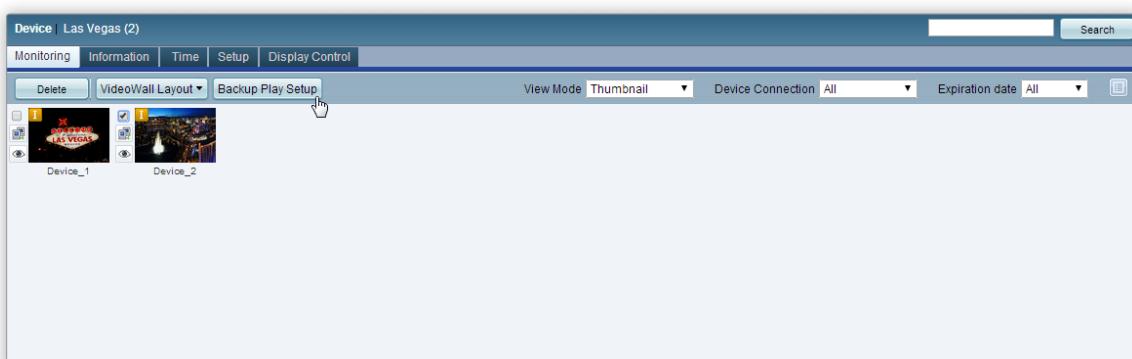
Device Type	Device Name	MagicInfo Server URL	Triggering Interval	Monitoring Interval	Daylight Saving Time
iPLAYER	Device_1	http://10.10.10.231:7070/MagicInfo	5 Sec	10 Min	ON
iPLAYER	Device_2	http://10.10.10.231:7070/MagicInfo	5 Sec	10 Min	OFF

- 3 Select a tag, and then click **OK**.
- 4 Assign a tag to the backup play device. A tag can be assigned using the same method as assigning a tag to the main device.

Note

Refer to the following for further details on using tags. [► Using tags](#)

- 5 Go to the **Device** tab > **by Group**, and then select the device group with the tags assigned.
- 6 Select the backup play device checkbox from the device list, and then click **Backup Play Setup**.



The screenshot shows the 'Device' tab with the filter set to 'Las Vegas (2)'. The 'Backup Play Setup' button is highlighted with a mouse cursor. The table lists two devices: 'Device_1' and 'Device_2', both of which are iPLAYER type devices connected to MagicInfo Server URLs. The 'Triggering Interval' for both is 5 Sec, and the 'Monitoring Interval' is 10 Min. The 'Daylight Saving Time' is set to ON for Device_1 and OFF for Device_2.

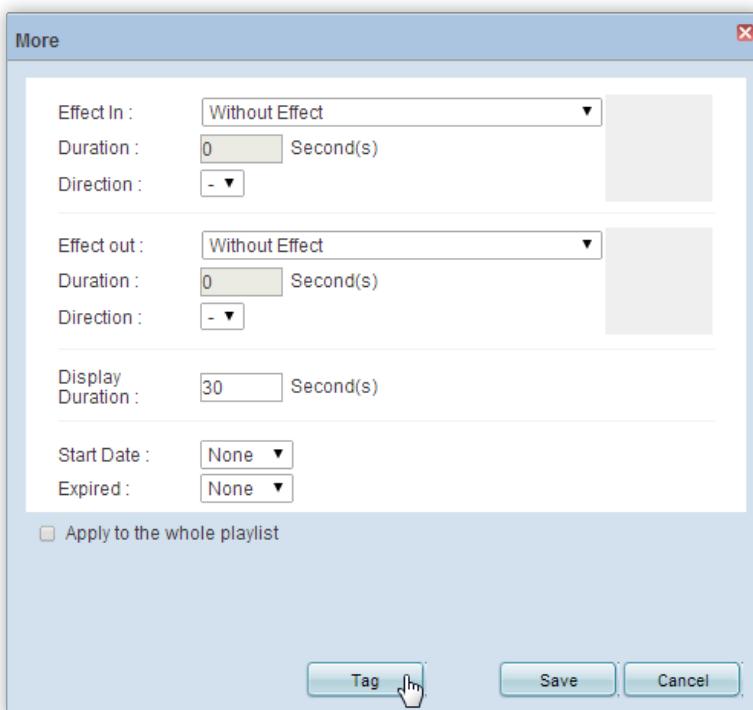
Device Type	Device Name	MagicInfo Server URL	Triggering Interval	Monitoring Interval	Daylight Saving Time
iPLAYER	Device_1	http://10.10.10.231:7070/MagicInfo	5 Sec	10 Min	ON
iPLAYER	Device_2	http://10.10.10.231:7070/MagicInfo	5 Sec	10 Min	OFF

- 7 Click **OK**.

Creating a playlist

Create a playlist containing content you want to play on a device. A created playlist can be distributed to a desired device group after creating a schedule.

- 1 Click the **Playlist** tab > **New**.
- 2 Add content you want to play on the main device and backup play device.
- 3 Click  next to the content that will play on the main device.
- 4 Click **Tag**.



- 5 Select the same tag as the tag assigned to the main device, and then click **OK**.
- 6 Click **Save**.

Creating a schedule

Create and distribute a content schedule containing a playlist to a desired device group. Refer to the following for further details on creating schedules. [▶ Creating MagicInfo schedules](#)

Installing and using VideoWall

From MagicInfo Server, manage devices where VideoWall Player is installed using the VideoWall menu. Add and manage content files by connecting to VideoWall Console.

Note

A MagicInfo Server administrator can assign a role for each user. Available MagicInfo Server functions depend on the user role. Refer to the following for further details on user roles. [▶ Changing a user role](#)

In this user guide, the SaaS administrator page is used as an example to explain all functions.

Preparing to use VideoWall menus

To recognize VideoWall devices and use available menus from MagicInfo Server, first make sure to install the VideoWall Console and MagicInfo Player I programs on your computer.

Note

Ensure the VideoWall Player program is installed on the LFD devices. Refer to the MagicInfo VideoWall user guide for further details on installing VideoWall Player.

Installing the program

- 1 Install VideoWall Console on the computer that will be used to manage the LFD devices.

Note

Refer to the MagicInfo VideoWall user guide for further details on installing VideoWall Console.

- 2 Install MagicInfo Player I on the same computer.

Caution

When installing MagicInfo Player I, make sure to select **VideoWall Agent** for the installation type.

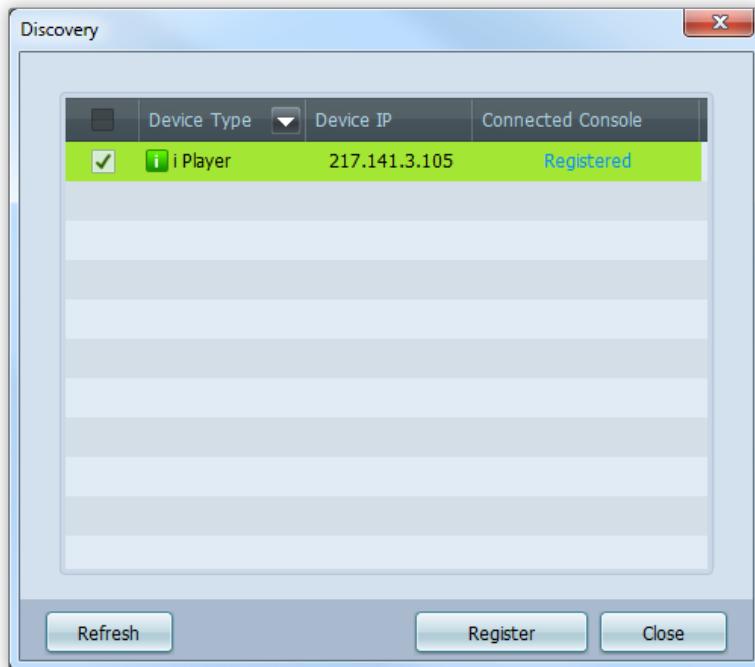
VideoWall Console settings

- 1 To add VideoWall devices where VideoWall Player is installed from VideoWall Console, run the VideoWall Console program.

Note

To use VideoWall Console, log in. Use "admin" for both the login ID and password.

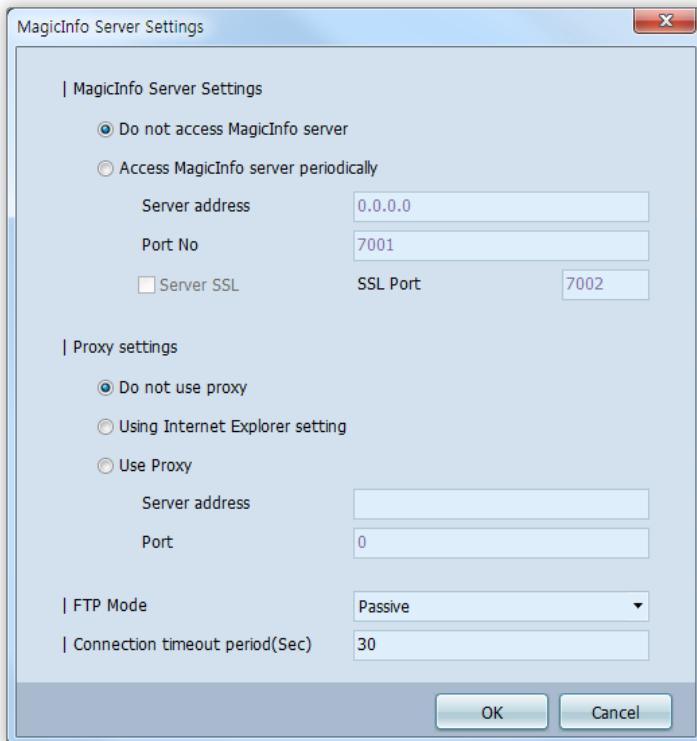
- 2 Click **Find** in the **General** tab under the **Device** menu. A window appears showing connection settings.



- 3 From the window, select a device and click **Register**.
- 4 The selected is displayed on the list.

Settings to connect to MagicInfo Server

- 1 To connect to MagicInfo Server, click the **Configure** tab > **Configuration** > **MagicInfo Server** > **Settings** from the VideoWall Console program.



MagicInfo Server Settings	Select "Access MagicInfo server periodically" first. Next, enter the IP address and port number of MagicInfo Server.
Proxy Setting	Enable/disable the proxy and configure required settings.
FTP Mode	Select Passive or Active for FTP mode.
Connection timeout period(Sec)	Set the waiting time before VideoWall Console is disconnected from MagicInfo Server due to no communication.

- 2 After configuring the required settings, click **OK**.
- 3 Clicking **Connect** will connect MagicInfo Server to VideoWall Console.

! Caution

Make sure to set the operating mode to schedule mode for the VideoWall devices before configuring the settings to connect to MagicInfo Server.

To change the operating mode for the VideoWall devices, click **Configure** > **Configuration** > **VideoWall** in VideoWall Console. Next, select **Schedule Mode** from **Operation Mode**.

MagicInfo Server settings

- 1 From the main page, click the **Setting** tab > **Server Settings**.
- 2 Go to **Edit** > **MagicInfo VideoWall Menu On**. Next, select the **Enable** checkbox and click **Save**.
- 3 VideoWall menus are displayed in the **Schedule**, **Device** and **Statistics** tabs.

Adding VideoWall devices

- 1 To add VideoWall devices to MagicInfo Server, click the **Device** tab.
- 2 Click **VideoWall** and then click **Unapproved**. Devices not approved that are connected to the network are displayed.

	Device ID	IP	Registered	Device Name	VideoWall Type	VideoWall Cou	Approval
<input checked="" type="checkbox"/>	00-e0-4d-53-e1-23	217.141.3.212	2013-01-16 14:08:27	NONAME	Regular	1 X 1	Approval

- 3 Select a device and click **Approve**. The VideoWall device is added.

Note

The added VideoWall device can be found in **Device** > **VideoWall** > **VideoWall Console Monitoring**.

Using the VideoWall menus

Using MagicInfo Server, manage schedules, device information and statistics of VideoWall devices.

Managing schedules of VideoWall devices

Content schedule management

- 1 To create a content schedule to distribute to VideoWall devices, click the **Schedule** tab > **VideoWall** > **Content**.

Schedule Name	Device Name	Date Last Sent
VideoWall_schedule01	NONAME	2013-01-17 14:36:01

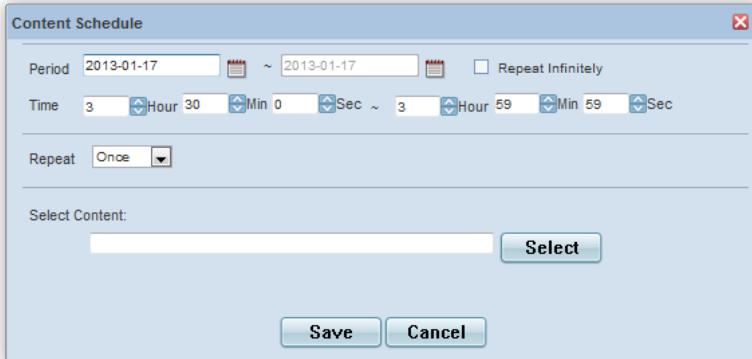
- 2 Click **Generate** to open the schedule creation page. Enter the basic settings.

Note

A created content schedule is distributed instantly by default. To distribute a schedule at a desired time, click **View More**.

Schedule Name	Enter the name of the schedule to create.
Schedule Group	Click  to select a schedule group.
Select device	Click  to select a device to distribute a schedule to.

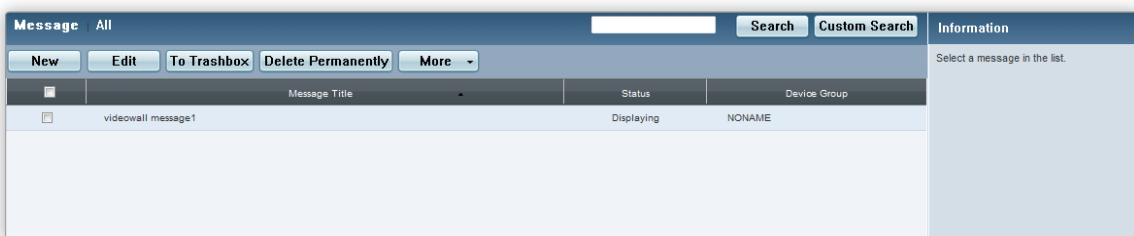
3 Create a content file schedule daily, weekly or monthly. View added schedules as a list.



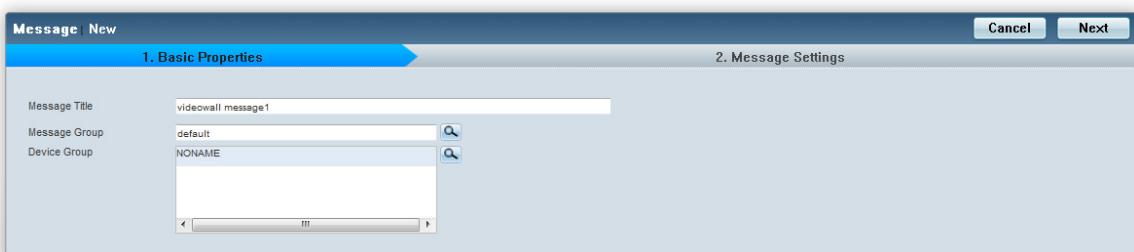
4 After configuring the required settings, click **Save**.

VideoWall message schedule management

1 To view and edit message schedules added to MagicInfo Server, click **Schedule > VideoWall > Message** from the main page. Message schedules are displayed.

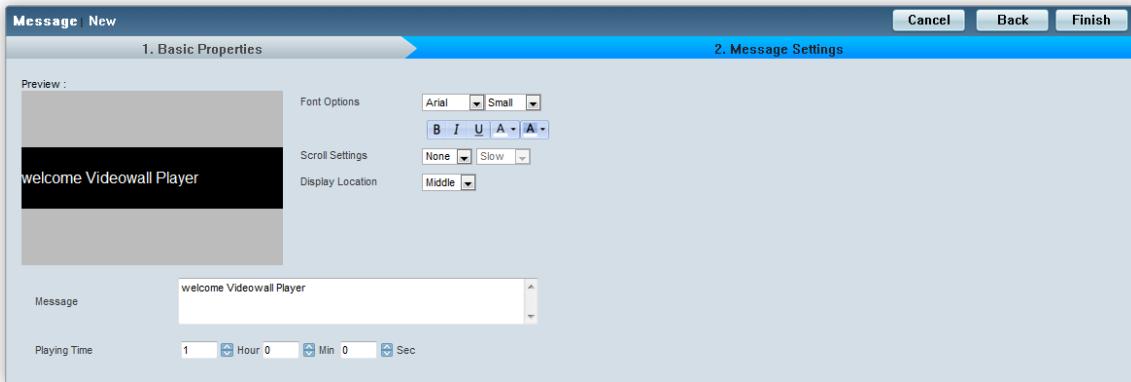


2 Click **Generate** to open the message schedule creation page. Enter the basic settings.



Message Title	Enter the name of the message to create.
Message Group	Click  to select a message group.
Device Group	Click  to select a device to distribute a message to.

3 After configuring the basic settings, specify the message content, font and playback duration.



4 After configuring the required settings, click **Save**.

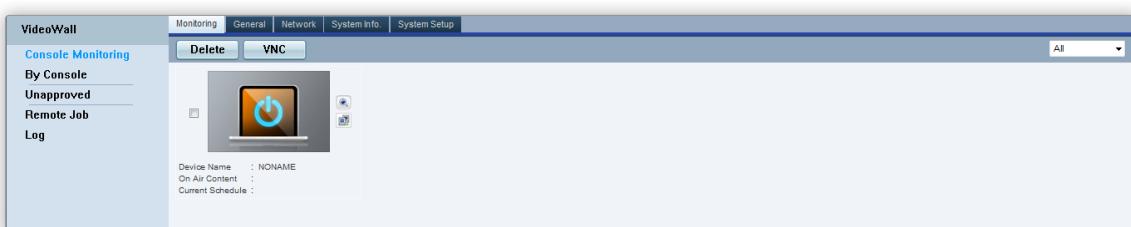
VideoWall device management

Managing all VideoWall devices

- 1 To view information about all VideoWall devices added to MagicInfo Server, click **Device > VideoWall > Console Monitoring**.
- 2 To view detailed information about a device, select a device from each tab.

Monitoring

View and remotely access devices.



General

View and remotely access devices. To edit general device settings, select a device and click **Edit**.

VideoWall View All VideoWalls

Monitoring General Network System Info. System Setup

Search Save Cancel

View Device General Info.

Device Name	Device ID	Device Model Name
NONAME	00-e0-4d-53-e1-23	VideoWall Console
Resolution	IP	MAC Address
1440*900	217.141.3.212	00-e0-4d-53-e1-23
Client Program Version	VideoWall Console Version	Approval Date
V1.0 Build NA-MIIP-1004.1	NA-MIVWX-1900.1	2013-01-17 14:33:44.311
VideoWall Type	VideoWall Count	
Regular	1 x 1	
Location		

Network

View the network settings of a device. To edit network settings, select a device and click **Edit**.

VideoWall View All VideoWalls

Monitoring General Network System Info. System Setup

Search Save Cancel

View Device Network Conf.

Device Name	Network Adapter	Network Driver	MAC Address
NONAME	Realtek RTL8169/8110 Family PCI Gigabit Ethernet NIC (NDIS 6.20)	7.2.1127.2008	00-e0-4d-53-e1-23
IP Setting Type	IP	Subnet Mask	Gateway
DHCP	217.141.3.212	255.255.255.0	217.141.3.1
DNS Server (Primary)	DNS Server (Secondary)	Port	
203.248.252.2	164.124.101.2	6055	

System Information

View the system settings of a device. To configure information to display on a list, click **Edit Column**.

System Setup

View and edit system settings. To edit system settings, select a device and click **Edit**.

Managing VideoWall devices for each Console

To view information of all VideoWall devices added in MagicInfo Server for each Console, click the **Device** tab > **VideoWall** > **By Console**.

Note

Refer to the following for further details on each tab. [▶ Adding VideoWall devices](#)

Checking VideoWall devices not approved

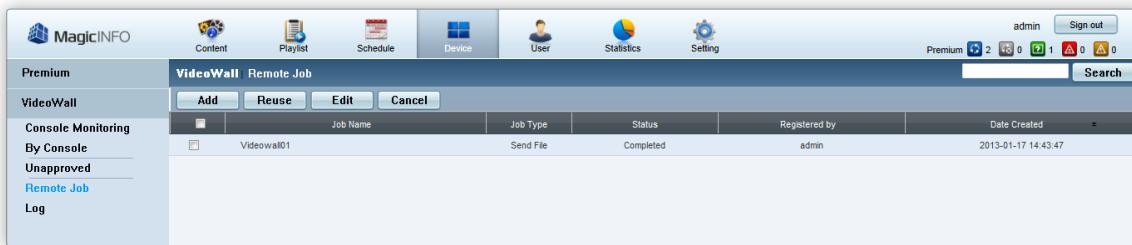
To connect to a VideoWall device that is waiting to be added, click the **Device** tab > **VideoWall** > **Unapproved**.

Note

Refer to the following for further details on registering VideoWall devices. [▶ VideoWall device management](#)

Remotely controlling VideoWall devices

- 1 To remotely control VideoWall devices using MagicInfo Server, click **Device** > **VideoWall** > **Remote Job**.
- 2 To apply a remote task from the list of remote tasks again, click **Reuse**.
- 3 To edit or cancel a remote task, click **Edit** or **Cancel**.
- 4 To add a remote task, click **Add**.



Job Name	Job Type	Status	Registered by	Date Created
VideoWall01	Send File	Completed	admin	2013-01-17 14:43:47

Viewing logs of VideoWall devices

1 To view logs of VideoWall devices, click **Device** > **VideoWall** > **View Log List by Device**.

2 To view logs of a particular device, click **Device Log** for the device.

3 To view remote task logs of a particular device, click **Remote Job Log**.

VideoWall statistics management

View statistics for connections and schedules of VideoWall devices.

Statistical summary for VideoWall devices

To view a statistical summary for VideoWall, click **Statistics** > **VideoWall** > **VideoWall Summary Statistics**.

Content Type	Count
CIFS	0
DLK	0
ETC	0
FLASH	2
FTP	0
IMAGE	16
LFD	1
LFT	0
MOVIE/VIDEO	1
PDF	0
SOUND	0
VWL	0

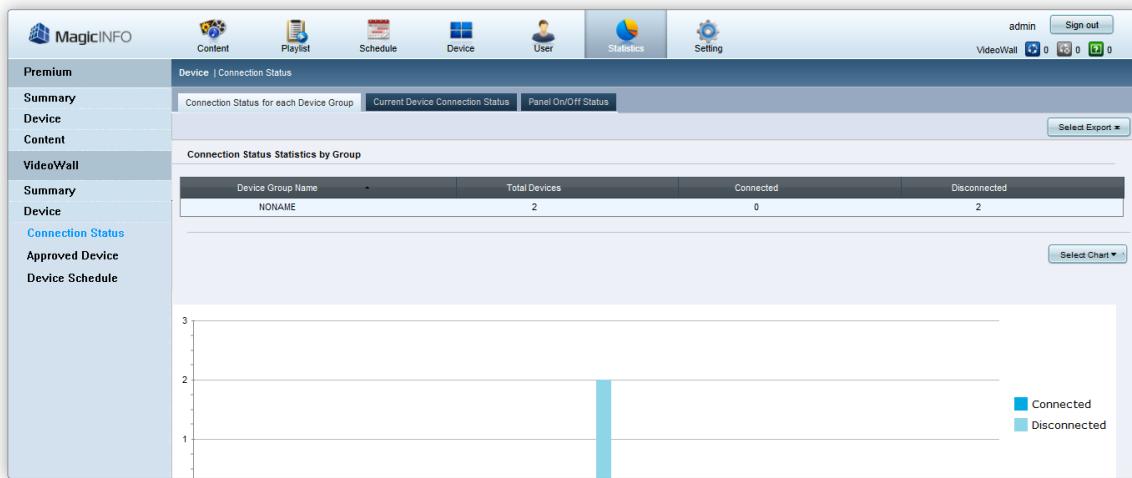
Statistics for VideoWall devices

To view statistics for VideoWall devices, click **Statistics** > **VideoWall** > **VideoWall Device Statistics**.

- Statistical data can be exported as an Excel or PDF file by clicking **Select Export**.
- For some statistical information, it is possible to select a chart type by clicking **Select Chart**.

Connection status

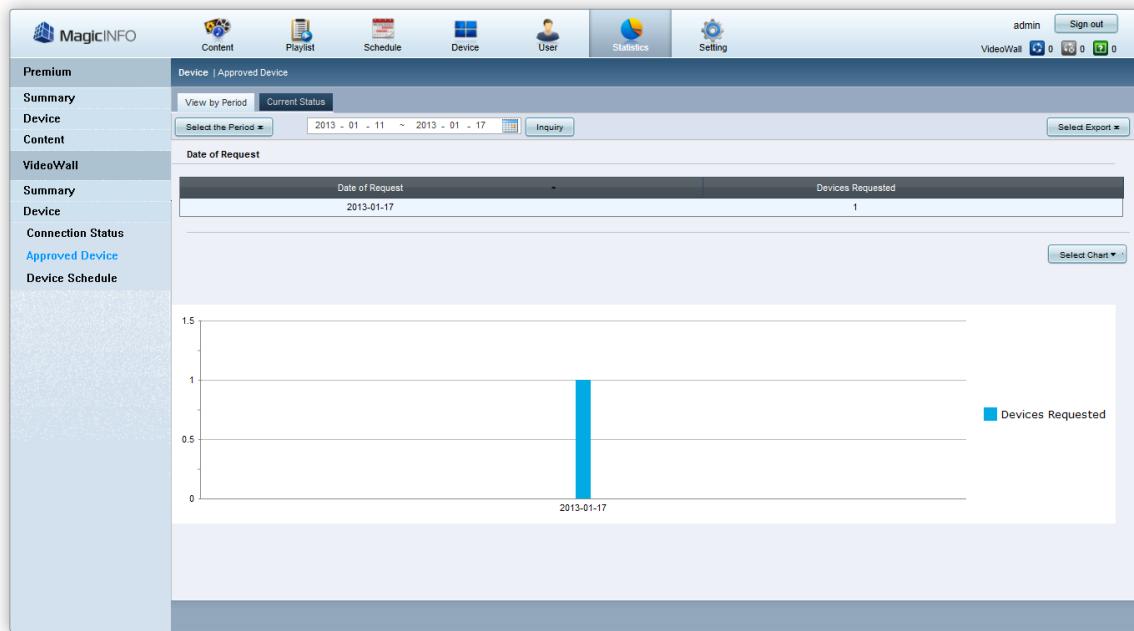
To view the connection status of VideoWall devices, click **Connection Status**.



Connection Status Statistics by Group	View statistics by group for devices connected to the server.
Current Device Connection Status	View a statistical summary of the connections of devices connected to the server.
Panel On/Off Status	View statistics for the panel on/off status of devices connected to the server.

Approved devices

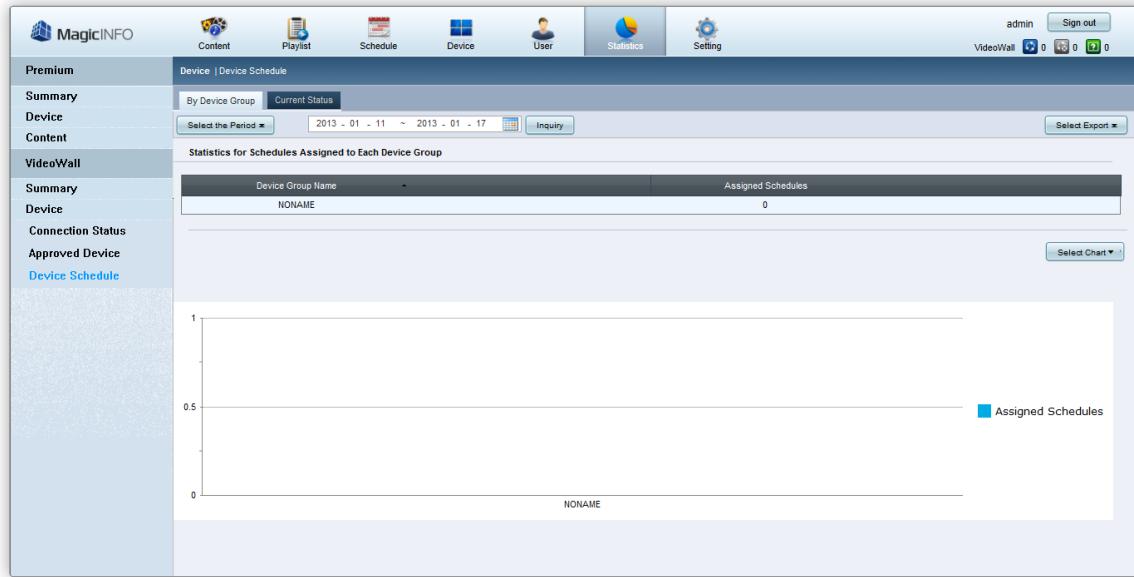
To view statistics for devices approved by MagicInfo Server, click **Approved Device**.



View by Period	Select a period to view the date an approval was requested and the schedule statistics by group.
Current Status	View the number of approved devices and devices not approved that are currently connected to the server.

Device schedule

To view statistics for schedules distributed to devices, click **Device Schedule**.



By Device Group

Select a period to view statistics for schedules assigned to each device group.

Current Status

View statistics for a device group with schedules or a device group without schedules.

MagicInfo Mobile

MagicInfo Mobile can be installed on a smartphone. Use key functions by connecting to MagicInfo Server.

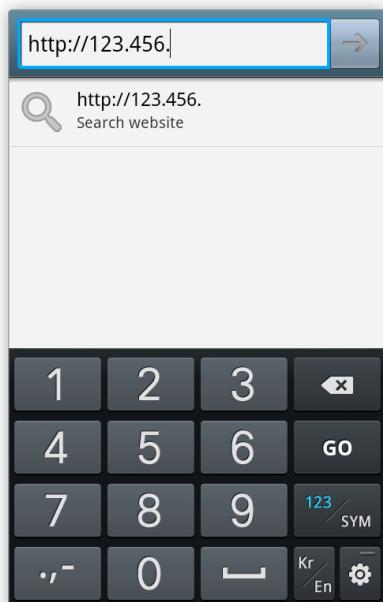
Note

This user guide is based on Version 4.3 of the Android OS.

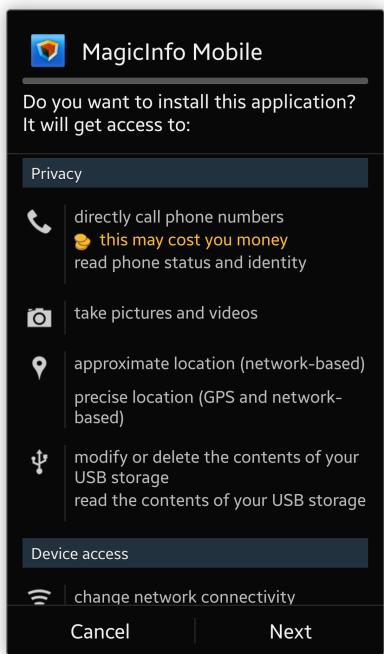
MagicInfo Mobile installation and login

Installing the Application

- 1 Enter the MagicInfo Mobile application address on the smartphone internet address bar.



2 Download the MagicInfo Mobile installation file. Select **OK** on the application source warning window displayed.



3 Install the program. Execute the application after completing the installation.

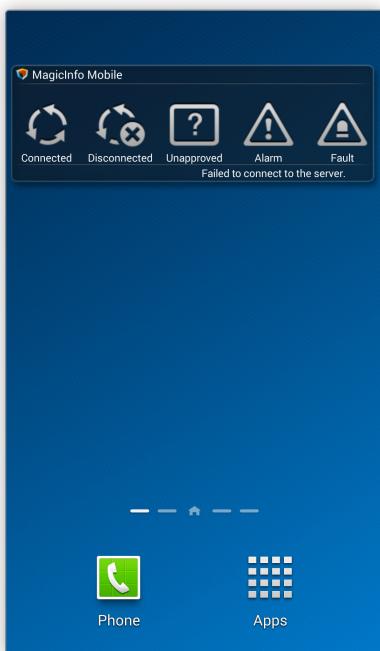
Note

- The MagicInfo Mobile application can be used on an Android smartphone.
- The MagicInfo Mobile application address is [http://\(Server IP\):\(Port\)/MagicInfo/mobile](http://(Server IP):(Port)/MagicInfo/mobile). Entered address is case-sensitive.

Adding the MagicInfo Mobile widget

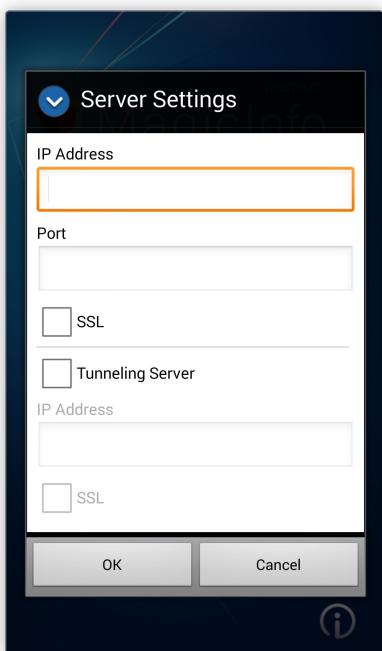
After installation, add the MagicInfo Mobile widget to the smartphone home screen. This allows you to check the device status without connecting to MagicInfo Server.

- 1 Select  > **Add apps and widgets** on the smartphone home screen.
- 2 Select **Widget** from the displayed list.
- 3 Select **MagicInfo Dashboard** from the widgets list. The MagicInfo Mobile widget is added to the home screen.



Login

- 1 Tap MagicInfo Mobile on the smartphone home screen. The application will start.
- 2 The server settings window is displayed if the application is run for the first time after installation. Enter the MagicInfo Server IP address and port. Next, select **OK** to proceed.



- 3 The login screen is displayed after the server settings are configured. Enter the ID at the top and the password at the bottom.

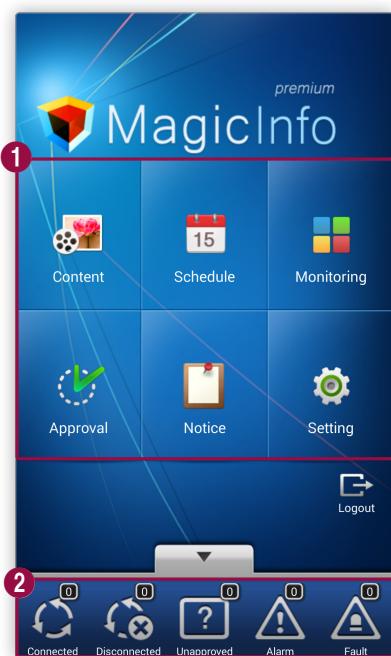


4 Select Login.

Note

- From the server settings window, select **Tunneling Server** to set the IP address of the tunneling server. If MagicInfo Server and MagicInfo Mobile are connected in different network environments, the tunneling server will negotiate the two networks for the VNC remote connection.
- To change the server settings, select **Server Settings** from the login page.
- To view information about MagicInfo Mobile, select  on the login page.

MagicInfo Mobile home screen layout



1 This is the main menu of MagicInfo Mobile. The main menu can be used to manage device and server settings.

2 Status of devices connected to the server is displayed in real-time. The number above the icon represents the number of devices with the same status.

Content file and playlist management

Content file management

Add content files to distribute to devices added to the server and manage the files by category.

From the MagicInfo Mobile home screen, select **Content > Content**. Content files are displayed as a list.

My Contents		
Thumbnail	Content Name	Type
	DSC_0253 1 MB	IMAGE
	DSC_0260 2 MB	IMAGE
	DSC_0267 2 MB	IMAGE
	DSC_0265 2 MB	IMAGE
	DSC_0264 1 MB	IMAGE
	DSC_0263 2 MB	IMAGE
	DSC_0261 2 MB	IMAGE
	Filter	
	Add 59	
	Delete	
	DSC Search 7	
	Refresh	
View Recycle Bin		

Viewing Content

Select  > **Filter** from a list of content files. Filter added content files by category.

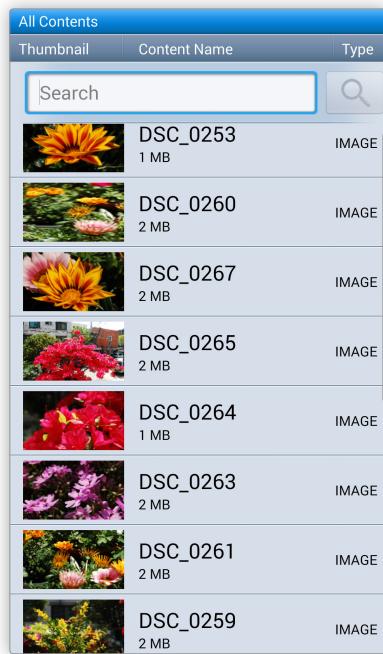
View by Group	View content files added to the server by group. Note that managing and editing groups are only possible on MagicInfo Server.
By Type	View content files added to the server by type.
By User	View content files added to the server by user. Select a user ID to view content files added by the selected user.

Refreshing a list

To refresh a list, select  > Refresh.

Searching content files

Select  > Search from a list of content files. Search content files as desired.



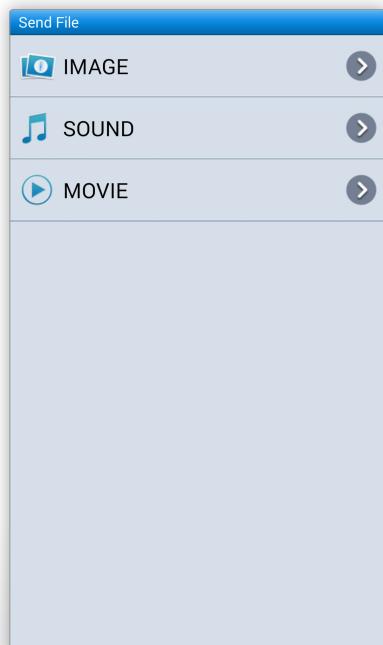
Thumbnail	Content Name	Type
	DSC_0253 1 MB	IMAGE
	DSC_0260 2 MB	IMAGE
	DSC_0267 2 MB	IMAGE
	DSC_0265 2 MB	IMAGE
	DSC_0264 1 MB	IMAGE
	DSC_0263 2 MB	IMAGE
	DSC_0261 2 MB	IMAGE
	DSC_0259 2 MB	IMAGE

Note

Custom search is only available on MagicInfo Server.

Adding content files

Select  > Add from a list of content files. Add content files saved on your smartphone to the server.



Send File		
	IMAGE	
	SOUND	
	MOVIE	

 Note

Content files that can be added through MagicInfo Mobile include photo, video and music files.

Deleting a content file

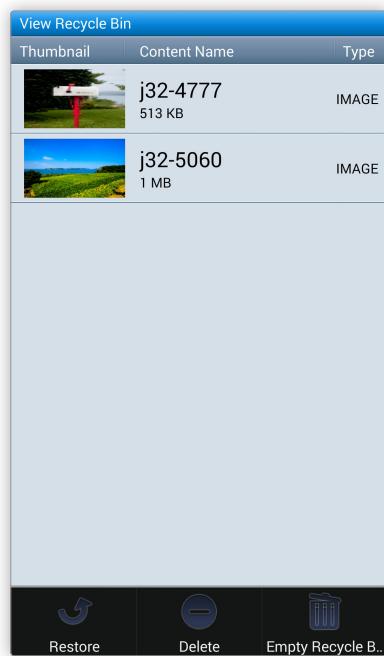
Select  > Delete from a list of content files. Select a content file, and then tap OK to delete the file.

 Note

- Alternatively, tap and hold a content file from the list to delete it.
- Select the select all checkbox and tap OK to delete all content files on the list.

View Recycle Bin

Select  > **View Recycle Bin** from a list of content files. Content files deleted from the list can be viewed.



- To permanently delete all content files in Recycle Bin, select  > **Empty Recycle Bin**.
- To permanently delete the selected content file in Recycle Bin, select  > **Delete**.
- To restore the selected content file in Recycle Bin, select  > **Restore**.

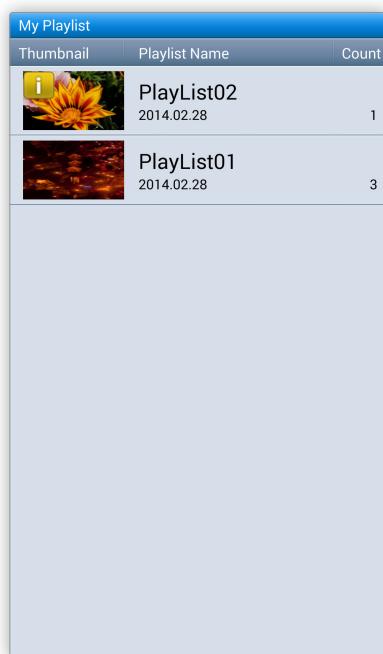
Note

Alternatively, tap and hold a content file from the list of files in Recycle Bin to restore or permanently delete it.

Managing Playlists

Create playlists to distribute to devices added to the server. Manage the playlists by category.

From the MagicInfo Mobile home screen, select **Content > Playlist**. Playlists are displayed as a list.



Viewing Playlists

Select  > **Filter** from a list of playlists. Filter playlists by category.

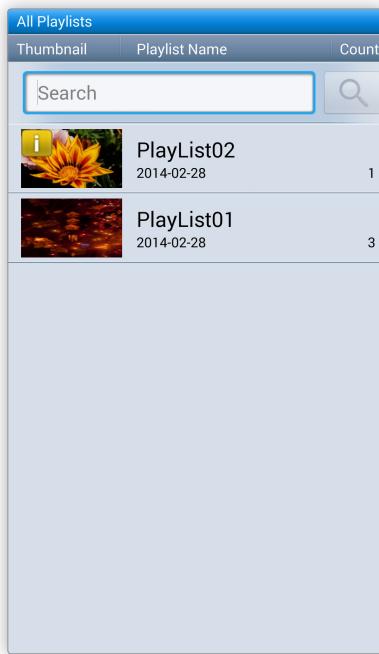
View by Group	View playlists added to the server by group. Note that managing and editing groups are only possible on MagicInfo Server.
By User	View playlists added to the server by user. Select a user ID to view playlists added by the selected user.

Refreshing a list

To refresh a list, select  > Refresh.

Searching for a playlist

Select  > Search from a list of playlists. Search playlists as desired.

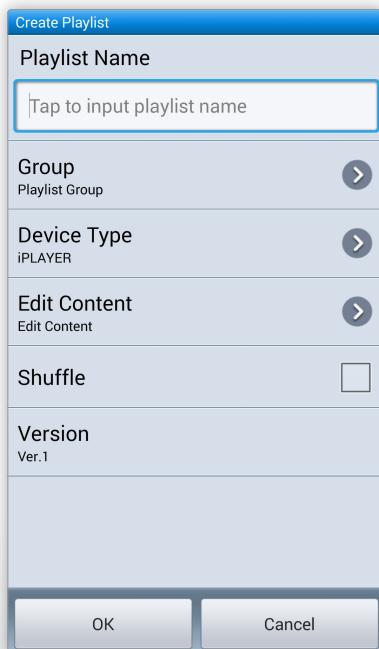


Note

Custom search is only available on MagicInfo Server.

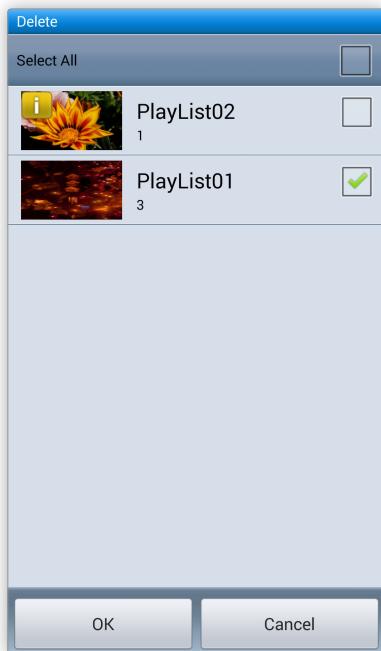
Adding playlists

Select  > Add from a list of playlists. Add new playlists as desired.



Deleting a playlist

Select **≡** > **Delete** from a list of playlists. Select a playlist, and then tap **OK** to delete the playlist.

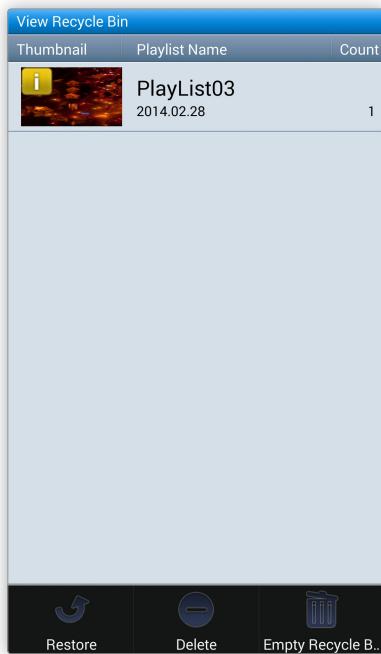


Note

- Alternatively, tap and hold a playlist from the list to delete it.
- Select the select all checkbox and tap **OK** to delete all content files on the list.

View Recycle Bin

Select  > **View Recycle Bin** from the list of playlists. Playlists deleted from the list can be viewed.



- To permanently delete all playlists in Recycle Bin, select  > **Empty Recycle Bin**.
- To permanently delete the selected playlist in Recycle Bin, select  > **Delete**.
- To restore the selected playlist in Recycle Bin, select  > **Restore**.

Note

Alternatively, tap and hold a content file from the list of files in Recycle Bin to restore or permanently delete it.

Schedule management

Content schedule management

Create content file schedules to distribute to devices added to the server. Manage the content file schedules by category.

From the MagicInfo Mobile home screen, select **Schedule > Content Schedule**.



Note

Refer to the following for further details on scheduling. ► [Schedule](#)

Viewing Content Schedules

Select  > Filter from a list of schedules. Filter added content file schedules by category.

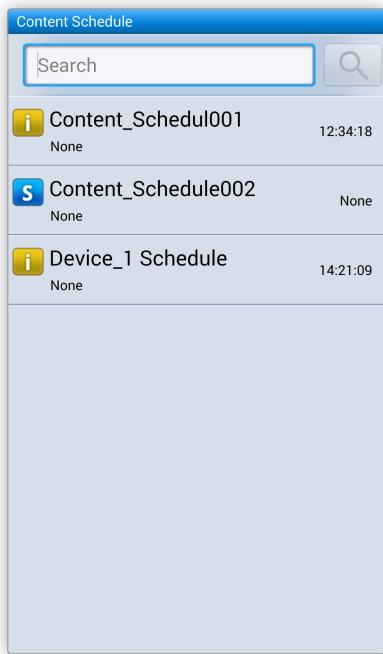
Note that managing and editing groups are only possible on MagicInfo Server.

Refreshing a list

To refresh a list, select  > Refresh.

Searching Content Schedules

Select  > Search from a list of schedules. Search content file schedules as desired.

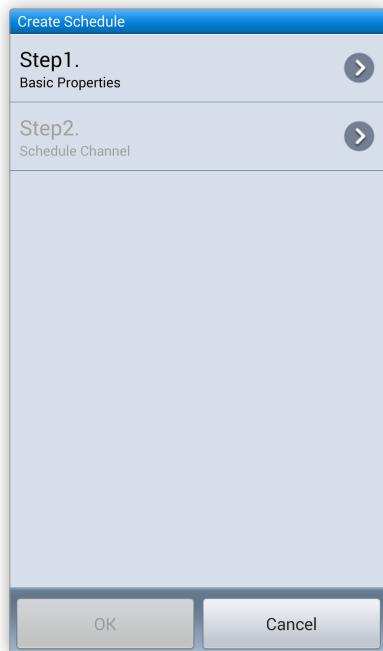


Note

Custom search is only available on MagicInfo Server.

Creating Content Schedules

Using MagicInfo Mobile, conveniently create content schedules from your cell phone. Select  > New from the schedule list.



A schedule can be created in 2 steps. Tap the steps in sequence to enter details of a schedule.

Basic settings

Configure basic schedule settings such as the schedule name, group info and content syncing mode.

- 1 To configure basic settings, tap **Step1**.



Schedule Name	Specify the schedule name.
Schedule Group	Select a schedule group. Tap  , and then select a desired schedule group.
Device Group	Select a device group to distribute the schedule to. Tap  , and then select a desired device group.
Content Synchronization	Select whether to sync content.
Deploy with Reservation	Set the time to distribute the schedule. Select the Time to Deploy checkbox, and then specify the time.
Background Music	Select background music. Tap  , and then select desired music. To play music along with content, select the Play with content checkbox.
Description	Enter details of the schedule that will be distributed.

2 After configuring basic settings, tap **OK**.

Detailed schedule settings

Configure detailed schedule settings including specifying the content to play and the device restriction and frame settings.

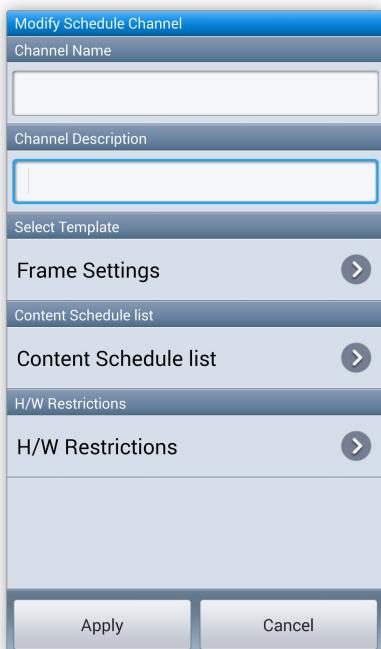
1 To configure detailed settings, tap **Step2**.



2 Distribute a variety of schedules to devices by adding channels to a schedule. To add a channel, tap .

 **Note**

At least one channel must be created when creating a schedule. If the device does not support the channel feature, channel settings cannot be configured. The page layout template, content and device restriction settings can only be configured.



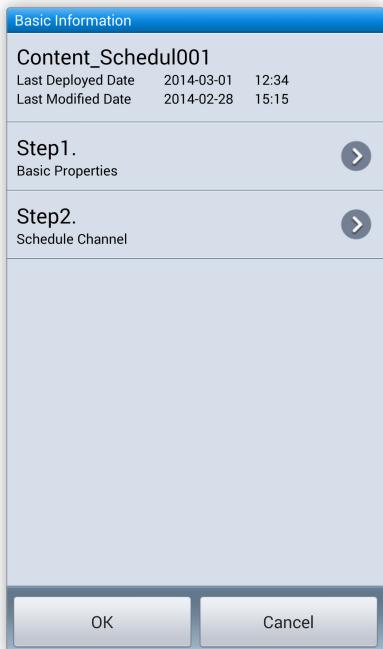
Channel Name	Enter a channel name.
Channel Description	Enter details of the channel.
Select Template	Specify the template that will be used to construct the device screen. To specify the template, tap  .
Content Schedule list	Configure settings for the content that will play in the schedule. To configure detailed settings, tap  .
H/W Restrictions	Configure control commands used to control the power, input source and volume for devices. To configure the device control commands, tap  .

3 After configuring detailed schedule settings, tap **Apply**.

Editing a content schedule

Edit basic and detailed settings for a content schedule registered on the server.

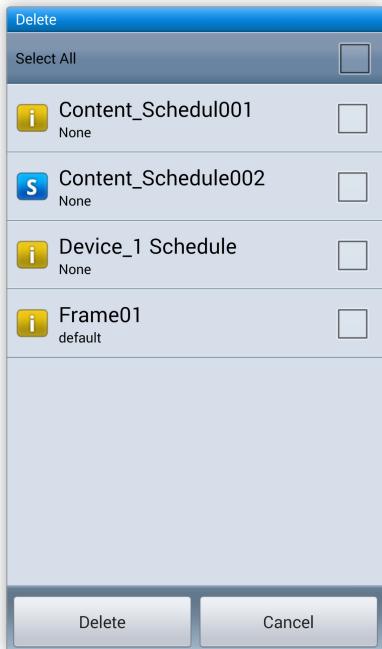
- 1 Tap a schedule from the schedule list.
- 2 Edit the schedule using the same method as when creating a schedule. Tap the desired configuration step.



- 3 To save an edited schedule, tap **OK**.

Deleting Content Schedules

Select **[≡]** > **Delete** from a list of schedules. Select a content schedule, and then tap **OK**. The schedule will be deleted.

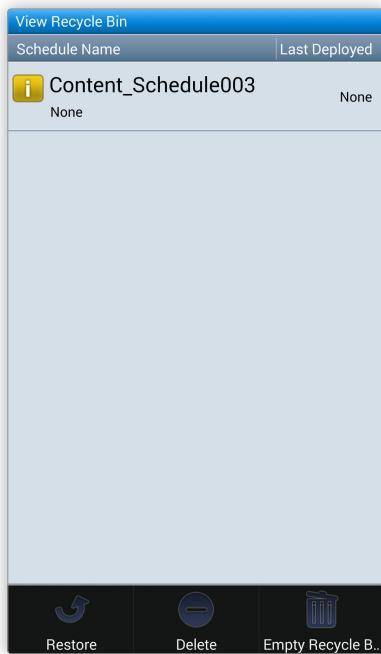


Note

- Alternatively, tap and hold a schedule from the list to delete it.
- Select the select all checkbox and tap **OK** to delete all content files on the list.

View Recycle Bin

Select  > **View Recycle Bin** from the list of schedules. Content file schedules deleted from the list can be viewed.



- To permanently delete all content file schedules in Recycle Bin, select  > **Empty Recycle Bin**.
- To permanently delete the selected content file schedule in Recycle Bin, select  > **Delete**.
- To restore the selected content file schedule in Recycle Bin, select  > **Restore**.

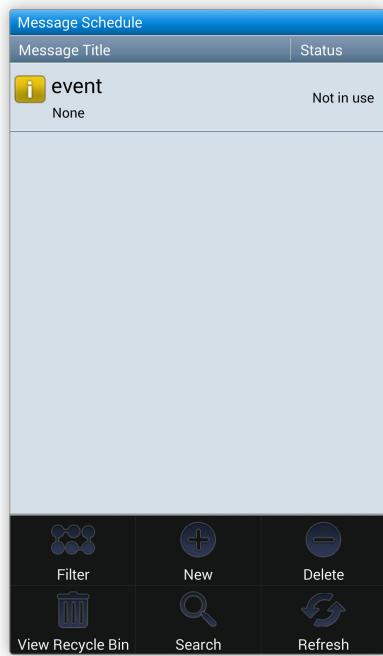
Note

Alternatively, tap and hold a content file from the list of files in Recycle Bin to restore or permanently delete it.

Managing Message Schedules

Create message schedules to distribute to devices added to the server. Manage the message schedules by category.

From the MagicInfo Mobile home screen, select **Schedule > Message Schedule**.



Viewing Message Schedules

Select  > Filter from a list of schedules. Filter added message schedules by category.

Note that managing and editing groups are only possible on MagicInfo Server.

Refreshing a list

To refresh a list, select  > Refresh.

Searching Message Schedules

Select  > Search from a list of schedules. Search message schedules as desired.

Note

Custom search is only available on MagicInfo Server.

Creating Message Schedules

Using MagicInfo Mobile, conveniently create a message schedule from your cell phone. Select  > New from the schedule list.



Creating a schedule consists of the Basic Properties and Message Settings steps.

Basic settings

Configure basic schedule settings such as schedule name and group info.

- 1 To configure basic settings, tap **Basic Properties**.



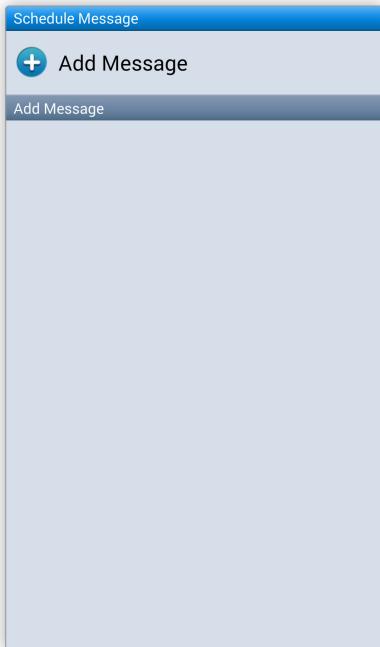
Message Title	Enter a message schedule name.
Message Group	Select a message schedule group. Tap  , and then select a desired schedule group.
Device Type	Select a type of device that will play the message. Tap  , and then select a device type.
Device Group	Select a device group to distribute the schedule to. Tap  , and then select a desired device group.

2 Enter basic schedule info such as the message name, message group, device type and group. Tap **OK**.

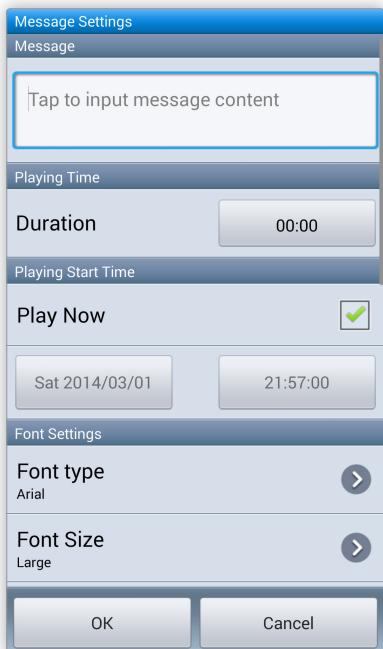
Message settings

Configure message settings such as the content, playback duration, font, effects and background image.

1 To configure the settings for the message to distribute, select **Message Settings**.



2 Distribute a variety of messages to devices by adding several messages to a single schedule. To add a message, tap .



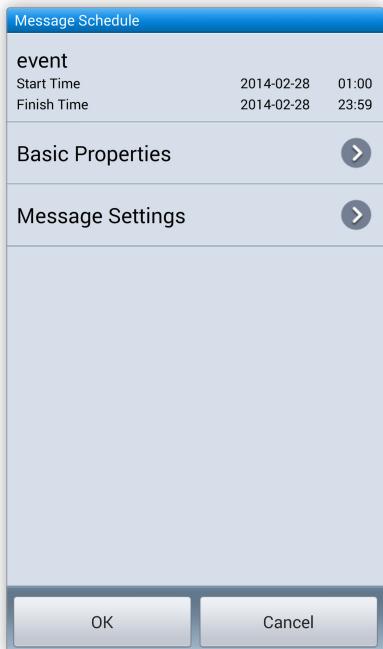
Message	Enter the message content.
Playing Time	Specify the message playback duration.
Playing Start Time	Set the message playback start time. To play the message on the device immediately after the schedule is created, select the Play Now checkbox.
Font Options	Specify the text font, size and color.
Scroll Settings	Specify the message scroll direction and speed.
Display Location	<p>Specify the location to display the message on the screen.</p> <p> Note</p> <p>If the device is in videowall mode, the message is displayed in the middle of the layout. Accordingly, the message will not appear on the screen if the message location is set to Left or Right.</p>
Background	Specify the background image color and theme for the message.

3 After configuring message settings, tap **OK**.

Modify Message Schedules

Edit message schedule settings registered on the server.

- 1 Tap a schedule from the schedule list.
- 2 Edit the schedule using the same method as when creating a schedule. Tap a setting item.



- 3 To save an edited schedule, tap **OK**.

Deleting Message Schedules

Select **[≡]** > **Delete** from a list of schedules. Select a content schedule, and then tap **OK**. The schedule will be deleted.

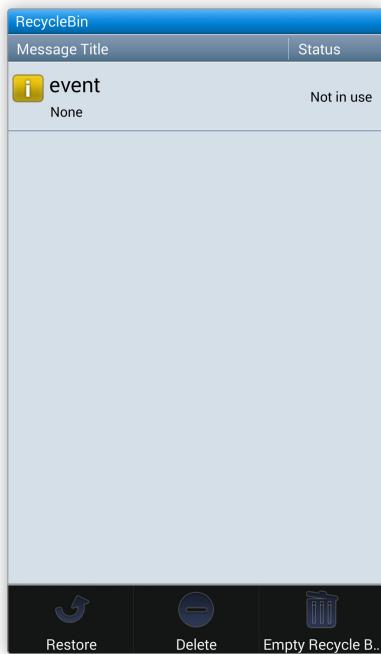


Note

- Alternatively, tap and hold a schedule from the list to delete it.
- Select the **select all** checkbox and tap **OK** to delete all content files on the list.

View Recycle Bin

Select  > **View Recycle Bin** from the list of schedules. Message schedules deleted from the list can be viewed.



- To permanently delete all message schedules in Recycle Bin, select  > **Empty Recycle Bin**.
- To permanently delete the selected message schedule in Recycle Bin, select  > **Delete**.
- To restore the selected message schedule in Recycle Bin, select  > **Restore**.

Note

Alternatively, tap and hold a content file from the list of files in Recycle Bin to restore or permanently delete it.

Monitoring

You can view the device status and change settings.

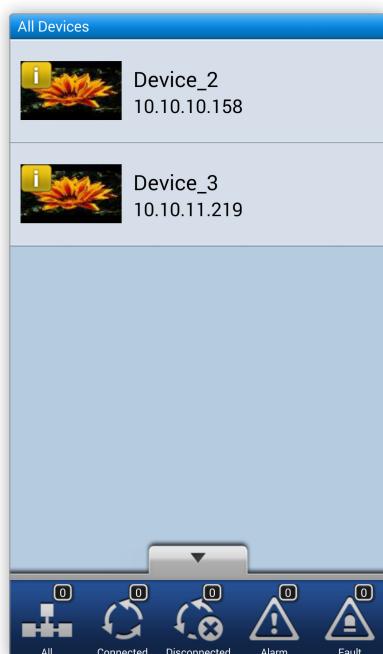
Select **Monitoring** from the MagicInfo Mobile home screen.

All Devices

You can view devices registered on the server as thumbnails or a list.

From a list of devices, click  > **Change View** and select a view mode.

In list view mode, device thumbnails, names and IP addresses will be shown.



Note

- In thumbnail view mode, it is possible to view devices by status using the widgets at the bottom of the page. The option to view the device status only is available in list view mode.
- If selecting a widget icon at the bottom, devices that match the condition are highlighted. Devices that do not match the condition are grayed out.

Filtering Setting

1 Select  > Filtering Setting from a list of devices. It is possible to sort devices that match the desired criteria on the list.



Device Group	Filter devices based on the device groups specified on the server.
Connected	Filter devices according to the connection status.
Fault	Filter devices with errors or alarms.
Display Device	Filter devices according to the schedule status, panel status or input source.

2 To view devices that match the specified filtering criteria, select . Tapping  one more time will display a list of all devices.

Viewing basic device info

Select a device from the page showing a list of all devices. This displays basic information about the device such as the device name, device ID (MAC address), device group, and device IP address.



The screenshot shows a mobile application interface for managing devices. At the top, a blue header bar contains the text "Basic Information". Below this is a list of devices. The first device in the list is highlighted with a yellow background and contains the following information:

	Device_2
	d0-66-7b-68-6d-e2
	default
	10.10.10.158

Below this list are several buttons:

- Display Information
- Schedule Information
- System Info.
- Set the time information
- Remote Job Information

At the bottom of the screen are four control buttons:

	Delete Device(s)
	VNC
	Refresh
	VKM

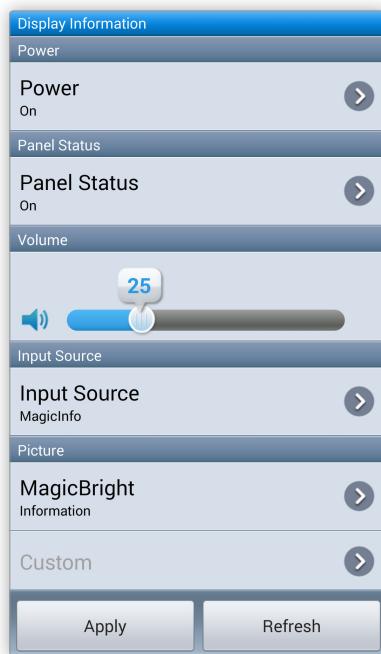
Viewing detailed device info

Press an item in the basic device information page to view and change the detailed information as required.

Detailed device information can only be viewed for devices connected to the server.

Display Information

Configure the display settings for a device.



Power	Turn a device on or off.
Panel Status	Switch a device panel on or off.
Volume	Adjust the volume of a device. To mute the sound, tap  .
Input Source	Specify the device input source.
Picture	<p>Configure the display settings for the device.</p> <ul style="list-style-type: none"> ▪ MagicBright: Change the display mode (video mode, Internet mode, etc.) according to the intended use of the device. ▪ Custom: Customize the screen contrast and brightness. ▪ Color Tone: Specify the device background color. ▪ Color Control: Adjust the color values to configure the screen color. ▪ Color Temperature: Adjust the color temperature on the screen.

Schedule Information

View information about schedules distributed to a device and details for a content file playing on a device.

Schedule Information

Current Schedule

Schedule Name

Frame01

Playing Contents

DSC_0253

 frame01
IMAGE
14. 02. 28 PM 03:14

System Information

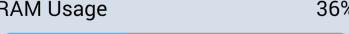
View the system usage of a device.

System Info.

CPU Usage 46%



RAM Usage 36%



Network Usage 0%



Disk Space Usage
C: 3.85 GB, D: 2.53 GB

Free Disk Space
C: 152.89 MB, D: 8.38 GB

Set the time information

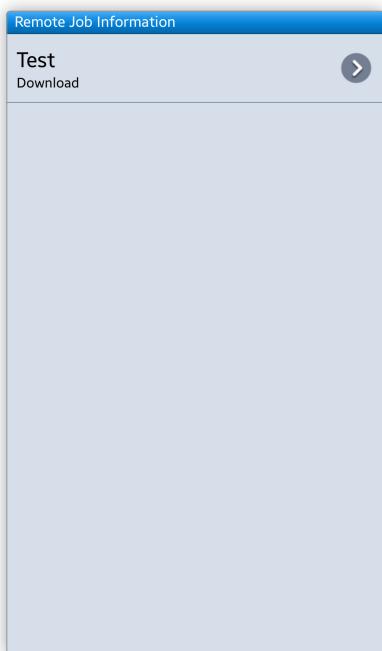
View and edit the time settings of a device.



Time	Set the current time on a device.
Timer	<p>Set the time to perform a task on a device.</p> <ul style="list-style-type: none">▪ On Time: Turn on a device at a specified time.▪ Off Time: Turn off a device at a specified time.▪ Volume: Adjust the volume of a device at a specified time.▪ Input Source: Change the input source on a device at a specified time.
Holiday	Assign holidays to prevent a device from operating on specified dates.

Remote Job Information

View remote task logs on a device.



Remote access

Using VNC/VKM mode, remotely access a device connected to the server.

- 1 Tap **Monitoring** on the home screen and select a device.
- 2 Specify the remote access mode. Tap **≡** > VNC or **≡** > VKM.



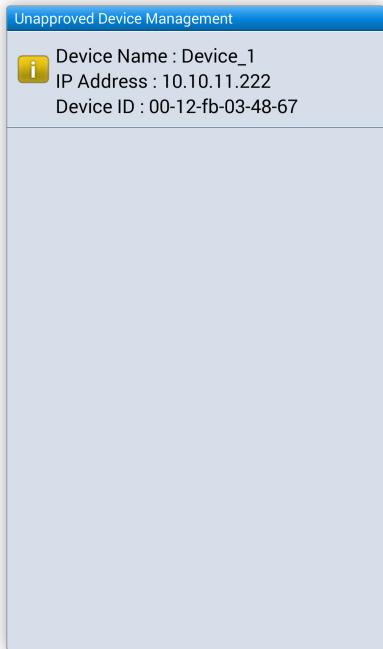
3 A connection is established automatically using the selected mode.

 **Note**

- If remote access in MagicInfo is not functioning properly, open the port 54321 and 5902 on the firewall.
- VNC is an acronym for Virtual Network Computing.

Approval

1 To add a device that is connected to the server but not saved on the server, tap **Approve** from the home screen.



2 Select a device and configure the device information. Next, tap **Approve**.



Note

Refer to the following for further details on authorizing devices. [▶ Approval](#)

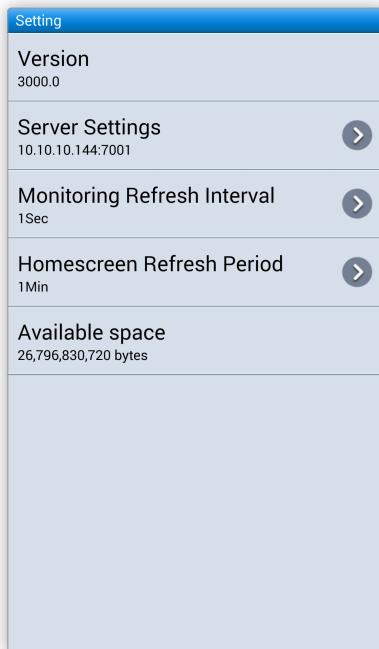
Notice

To view notices added to the server, tap **Notice** from the home screen and select a notice.



Setting

To change the MagicInfo Mobile system settings, tap **Setting** from the home screen.



Version	View the server version.
Server URL	Edit the server connection settings.
Monitoring Refresh Interval	Specify the device monitoring refresh interval.
Homescreen Refresh Period	Specify the interval for the home screen widgets to refresh device information.
Available space	View the remaining memory available on your smartphone.

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LGPL software: FFmpeg

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Version 2.1, February 1999

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