



MagicInfo-i Premium Edition

Server

Quick Start Guide

This guide has been designed for your convenient and efficient use of MagicInfo-i Premium Edition. Refer to the MagicInfo-i Premium Edition user manual for further details on operation.

MagicInfo-i Server is used to manage contents and devices. It is a web-based tool used for content scheduling and deployment. Servers can be accessed through a web browser to remotely control devices and administer users. Contents can be scheduled using a variety of options.

Main Functions

■ Managing media content

- LFD contents created in MagicInfo-i Premium Edition Author as well as media files (IMAGE, VIDEO, SOUND, Videowall, OFFICE, FLASH, PDF) stored on a user PCs are registered and managed.
- Registered contents can be scheduled and deployed to devices.
- Registered contents can be downloaded to a user PCs.
- Content information can be modified and deleted.
- Content items can be registered and managed in different categories (View by Group, By Type); content items can be searched using a variety of keywords.
- Groups can be created to manage contents in groups.
- Content logs can be searched to view all content events (add, delete, edit) that have taken place on the server.
- Content information can be converted to an Excel or PDF file and saved on a user PCs.
- Select a content item from the content list to preview it as a thumbnail image or video in Preview.

■ Playlist Creation

- Contents registered on the server can be organized into a single playlist for normal or random playback. Multiple contents can be managed as a single content item.
- Screen change effects can be set for content playback.
- Groups can be created to manage playlists in groups.

■ Remote Device Monitoring

- Device information (Device Name, On Air Content, Current Schedule) and on/off status can be viewed in real time.
- Registered devices can be deleted.
- Different device images are displayed for default content play, scheduled content play, panel-off and server disconnection to enable device status to be checked in real time.

■ Remote Display Control

- General information, network information and system information on LFD devices can be viewed. System setup (On Time, Monitoring Interval, System Restart Interval, etc) and display configuration (Volume, Mute, Brightness, Power, etc) can be remote-adjusted.
- VNC is supported through a LFD VNC terminal.
- It is possible to remotely control devices connected to the server (Send File, Get File, Delete File/Folder, Restart, Service Management, Launch Command, Kill Process, Close Window)

■ Faulty Device Management

- Alarms or faults are notified on the server at times; the rules to be applied in the processing of such alarms and faults can be registered.
- Devices experiencing alarms and faults can be processed after the alarm or fault type is checked.
- A device communicates alarms and faults to the server when certain conditions are identified. The definition of such conditions can be registered.

■ Remote Software Update

- Applications installed on devices are updated. Alarm occurrence rule files which notify the server of alarms and faults are automatically updated.
- MagicInfo-i Premium Edition Server can be used to register and manage MagicInfo-i Premium Edition Client update software.
- Software registered on the server can be deployed to devices through scheduling.
- Update files can be updated automatically or through scheduling.
- Software is automatically downloaded to perform update when a device is connected to the server or at a set time.

■ Content Schedule Creation and Management

- Contents can be scheduled to be played at a desired time.
- Daily/Weekly/Monthly schedules can be created.
- Playlist and Videowall contents are scheduled as a single content item.
- Set screen transition effects between contents
- Screen change effects between contents can be set.
- Background music can be set for various scheduled data.
- Operation of scheduled data can be viewed and managed.
- Deployment status of a selected schedule can be viewed, and deployment can be cancelled.
- Schedules can be deployed to selected devices and device groups.
- A LFD device screen can be divided to play different contents on each of the divided screens.
- Groups can be created to manage content schedules in groups.
- All content schedule events (add, delete, edit) that have taken place on the server can be viewed in Contents Schedule Log.

■ Scheduling Messages

- Created messages can be played on a selected device or device group immediately or at a scheduled time.
- Message font, size and color can be set.
- Message background image, position, scrolling, and moving speed can be set.
- Groups can be created to manage message schedules in groups.
- Messages to be played can be previewed.

■ User Management and Role Setting

- All server users can be searched and managed.
- Organizations and groups can be created to managed users in groups.
- Organization applied to the Content, Schedule, Device and User menus can be created on the User menu.
- Administrators can create roles for users of server menus and assign them to different users.

■ Statistics Support

- Statistics are provided on the connection status of all devices, panel on/off status of all connected devices, device approval status, and number of registered content items by type.
- Statistics are provided on device errors, connection status, approved devices and schedules deployed to devices.
- Statistics are provided on the playback frequency and types of content items played on MagicInfo-i Premium Edition Client.

Installation

PostgreSQL

To install Server, the PostgreSQL program must be installed first. In the startup screen of the DVD provided with the product, select Programs - PostgreSQL (version). The installation process will begin.

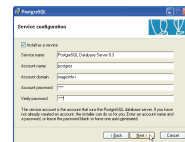
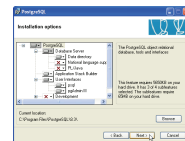
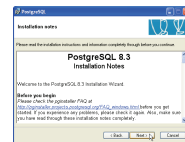
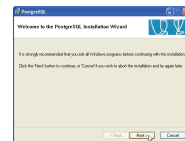
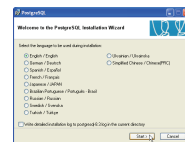
Specify the installation language, and click Start. A message stating that "the system is preparing to install" will appear.

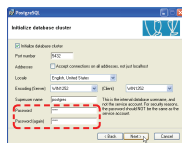
To ensure the program installs properly, close all the other applications that are currently running before starting installation. To proceed with the installation, click Next.

Read the installation notes, and click Next.

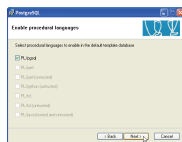
Check the program installation location and components, and click Next.

Configure the account password (Account password), and click Next. If the account you want to use does not exist and a window appears asking if you want to create an account, select Yes.

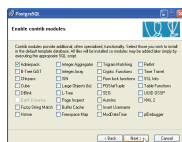




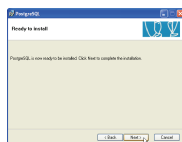
Configure the password for the PostgreSQL administrator account, and click Next.



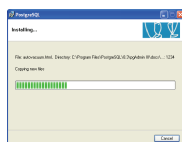
To proceed with the installation, click Next.



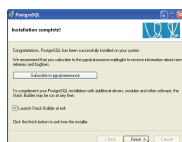
To proceed with the installation, click Next.



The system is ready to install. Click Next to start the installation process.



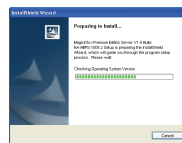
A progress bar will show the installation progress.



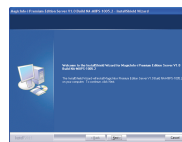
After the installation, click Finish.

MagicInfo-i Premium Edition Server

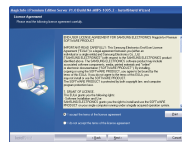
In the startup screen of the DVD provided with the product, select Programs - MagicInfo-i Premium Edition Server. The installation process will begin.



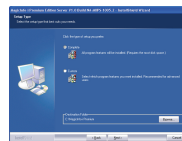
Select a language to use for installation. Installation preparation screen is displayed when a language is selected.



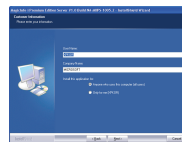
Click Next to start the Installation Wizard.



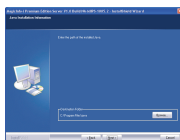
Select the "I accept the terms of the license agreement" option and Click Next.



Specify the program installation type and path, and click Next.

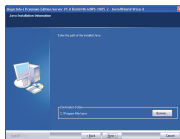


Enter your user information.



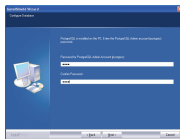
Specify the Java installation path.

This step will be skipped if only DB was selected under Custom for the installation type.



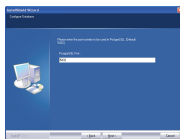
Specify the path where PostgreSQL is installed.

This step will be skipped if only WAS was selected under Custom for Installation Type.



Enter the password of the PostgreSQL administrator account.

This step will be skipped if only WAS was selected under Custom for Installation Type.

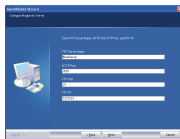


Enter the port for PostgreSQL.

This step will be skipped if only WAS was selected under Custom for Installation Type.



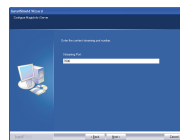
Enter the Password for PostgreSQL magicinfo user account.



FTP Server Name : Enter the FTP Server Name.
HTTP Port : Set the Http port to use on the server.
FTP Port : Set the FTP port to use on the server.
FTP IP: Specify the [FTP IP] for the server.

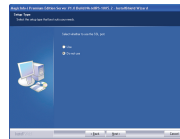
Click Next.

This step will be skipped if only [DB] was selected under [Custom] for the installation type.



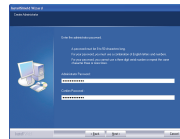
Set the content streaming port.

This step will be skipped if only DB was selected under Custom for the installation type.



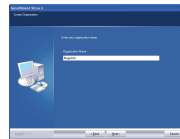
Enable or disable SSL port.
Select "Use" to open the SSL port setup screen.
Select "Do not Use" to create an organization.

This step will be skipped if only DB was selected under Custom for the installation type.



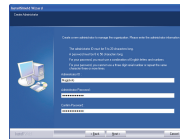
Set the server administrator password.

This step will be skipped if only WAS was selected under Custom for Installation Type.

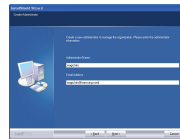


Create an organization for MagicInfo-i Premium Edition Server.
Enter an organization name.

This step will be skipped if only WAS was selected under Custom for Installation Type.

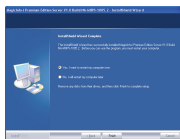
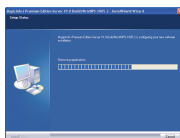
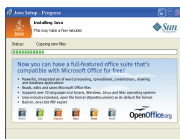
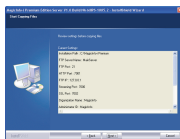
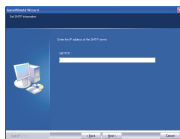


Set an administrator to manage the created organization.
Set the administrator ID and password.



Enter the administrator's name and e-mail address.

This step will be skipped if only WAS was selected under Custom for Installation Type.



Set the SMTP IP to be used for e-mail notification of alarms, temporary passwords and user rejections.
Select "Enable" to open the SMTP IP setup screen.
Select "Disable" to continue with the installation. This step will be skipped if only DB was selected under Custom for the installation type.

Enter a SMTP IP address for e-mail notification of alarms.

The setup information is displayed.
Click 'Next' to proceed to the next step.

Install all Java software required to operate MagicInfo-i Premium Edition Server. The installation is performed automatically.

The installation of the application is progressing.

Click 'Finish' to finish the installation.

Make sure to restart the system when the installation is completed.
This is required to configure the system correctly.



When the system is restarted, the MagicInfo-i Premium Edition Server service starts and you can connect to MagicInfo-i Premium Edition Server using a web browser.

> Considerations for Installation

MagicInfo-i Server and PostgreSQL can only be installed under a Windows administrator account. (Applicable only on a Windows Vista or Windows 7 operating system.)

To install PostgreSQL properly, ensure the Secondary Logon service is activated on the PC. (Applicable only on a Windows Vista or Windows 7 operating system.)

To install PostgreSQL properly, go to Start – Control Panel – User Accounts – User Account Control Settings and move the slider down to Never Notify. (Applicable only on a Windows Vista or Windows 7 operating system.)

The installation process can vary depending on the Installation Type.

A PostgreSQL administrator account (postgres) must be created to use PostgreSQL, and the password for the PostgreSQL administrator account (postgres) must be entered.

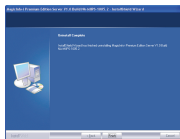
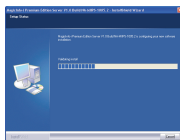
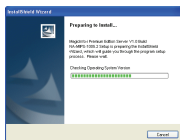
MagicInfo-i Premium Edition Server creates a 'magicinfo' database in PostgreSQL. A 'magicinfo' user account is created in PostgreSQL to access the database. A password must be entered for this 'magicinfo' user account.

If PostgreSQL is already installed, enter the password for the existing PostgreSQL administrator account (PostgreSQL).

Uninstallation



Close all internet web browser windows and applications before uninstallation. Uninstalling the program will delete only MagicInfo-i Server and will not delete Java or PostgreSQL.



Click Start - Settings - Control Panel - Add/Remove Programs.
Select the MagicInfo-i Premium Edition Server and click Change/Remove.

Removing the application begins.

Click Yes (Y) in the deletion confirmation message box.

The removal of the application is progressing.

The removal of the application is complete.

System Requirements

Hardware	CPU : Dual Core 2.5GHz or higher RAM : 2048 MB or higher 200 GB or higher
Software	Internet Explorer 7.0 or higher (8.0 recommended)
System	Windows 2003 Windows XP Professional SP3 Windows Vista Windows 7 Windows Server 2008

Program backup and restore

Two icons are created when MagicInfo-i Premium Edition Server is installed. These icons can be viewed in Start - Program - MagicInfo-i - Server.



Backup

Backs up the current MagicInfo-i Premium Edition Server settings and data.



Restore

Restores backed up MagicInfo-i Premium Edition Server settings and data.

Current settings and data may need to be saved when uninstalling MagicInfo-i Premium Edition Server.

In such a case, use the Backup or Restore function provided by MagicInfo-i Server Premium Edition to save and back up settings and data when uninstalling the program.



The password for the Backup and Restore directories is the password for the 'magicinfo database.'

> Post-Installation Settings for Different Browser Versions

Microsoft Internet Explorer - 'Tools' - 'Internet Options'

Microsoft Internet Explorer 7.0, 8.0



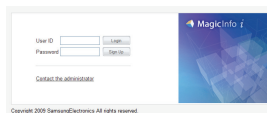
1

Go to "Search History" - "Setting" and set "Temporary Internet Files" to "Every Time Page is Opened."

2

Go to "Advanced" - "International" and check "Send UTF-8 URL."

Server Access and Login



Open a web browser and enter `http://(Server IP):(Server Port)/MagicInfo` in the address bar to move to the login screen.

Server Access

Enter a User ID and Password and click the Login button to move to the main screen.

(A User ID is required to use MagicInfo-i Premium Edition Server.)

To log in after signing up, you need an approval of the administrator.



To log in as an organization administrator after the initial installation, the administrator ID and password registered during installation must be entered. For security, change the password in Setting - Manage User Info..

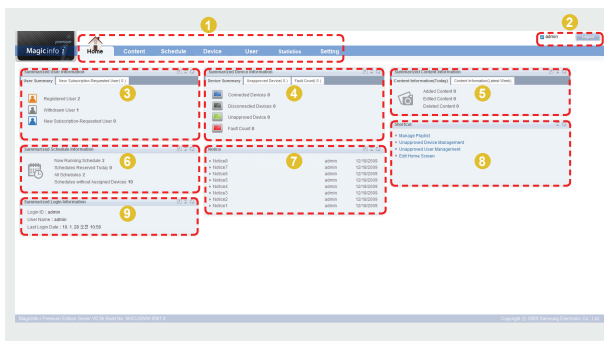
> Join User Account

Click the Sign Up button on the login screen to move to the Sign Up screen.



User ID is case-sensitive and must consist of alphabet and numbers only.
User ID must be between 5 and 20 characters. Password must be between 8 and 50 characters.

Screen Layout



1 Main Menu



Moves to the main screen.



Contents can be registered and managed.



Content event schedules registered on the server can be deployed to registered devices and managed.



New devices can be approved; registered devices can be managed and monitored; device information can be viewed; and the system and display can be controlled remotely.



All server users are managed and user roles can be edited.



Device errors, connection status, device approval request status, device schedule statistics and content type/playback frequency statistics can be viewed.



Manage general server settings. User information and home screen can also be configured.

2 Admin Menu

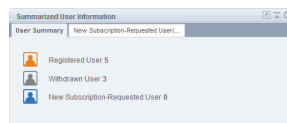
User ID

User information, including password, can be managed in Setting - Manage User Info. - "View User Information."

Logout

Logs out.

3 Summarized User Information



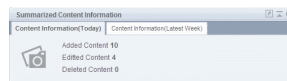
The number of registered/withdrawn users and membership-requested users can be viewed.

4 Device Summary



Summarized information of registered devices can be viewed, and Number of Faults can be managed.

5 Summarized Content Information



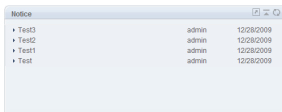
The number of contents added, edited or deleted on the current day or in the last week can be viewed.

6 Summarized Schedule Information



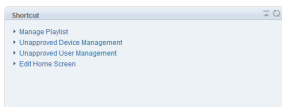
The number of Now Running Schedules, Schedules Reserved Today, All Schedules and Schedules without Assigned Devices can be viewed.

7 Notice



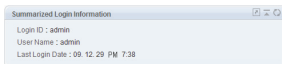
Notices can be viewed, registered and managed.

8 Shortcut



Links of frequently used menus are displayed for easy access.

9 Summarized Login Information



User ID/name and last login date are displayed.

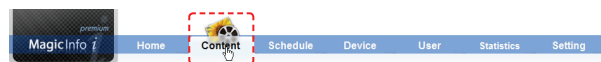


On the main menu of the server, a layout can be selected in Setting-Setup My Page and frequently used contents can be placed on the home screen as required. Refer to the Setting section in the MagicInfo-i Premium Edition Server user manual for further details.

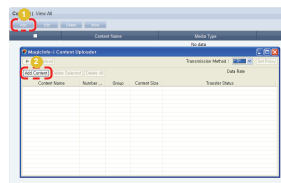
Content Registration

Contents can be registered when server connection and login are completed.

How to Register Contents



Select 'Content' on the above menu.



Click Add to open the content uploader window. Click Add Content to open the Open File window. Select files to upload and click Open to add the files to the content uploader window.

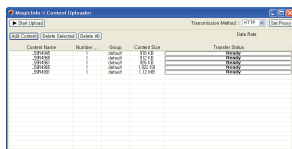


Double-click a file in the list of uploaded files. You can change the content settings such as the content name, group settings and meta data.



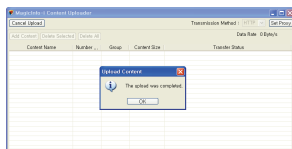
To add a file to attach, double-click a document or Flash file in the MagicInfo-i Content Uploader window.

Click the Save button and register the content on the uploader window.

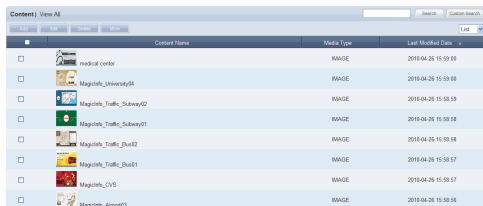


Click the Start Upload button and transfer the content file to the server.

Proxy setting is possible if the file transmission method is HTTP.



Click the OK button to register the content on the server.



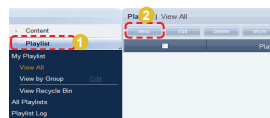
Refer to the Content Management section in the MagicInfo-i Premium Edition Server user manual for further details on contents.

Adding Contents to Playlists

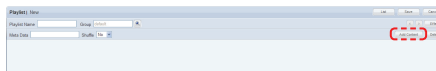
Contents can be added to a playlist for consecutive playback.

How to Register Playlists

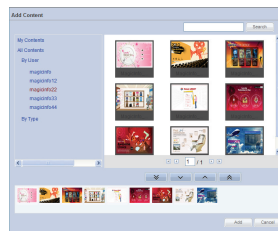
Contents registered on the server can be organized into a single playlist, which allows a variety of contents to be managed as a single content item. Effects can be added to the start and end of contents on a playlist to give continuity during playback.



Click Playlist on the left of the content management menu and click New at the top to open the add Playlist window.



Click Add Content and select content items you want to add to the playlist.



Click on the My Contents or All Contents category on the left and select a content item.

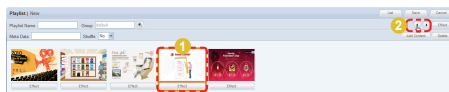
Select a content item and add it to the list using the arrow buttons.

Click Add to move to the page where a playlist can be created.

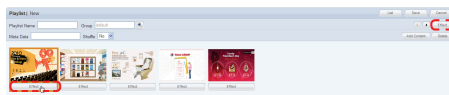


You can add the same content more than once when creating a playlist (Playlist).

To change the order of a content item, drag the content item, or select the content item and click the direction buttons.



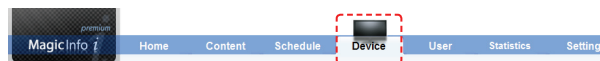
To insert effects to a content item, click the Effect button below a content item or click the Effect button on the upper menu while a content item is selected.



Refer to the Playlist section in the MagicInfo-i Premium Edition Server user manual for further details on Playlist.

Set Device

Uploaded contents are registered on a schedule and deployed. First, set the device the schedule will be deployed to.



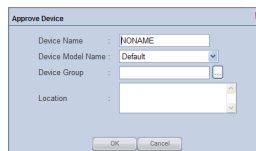
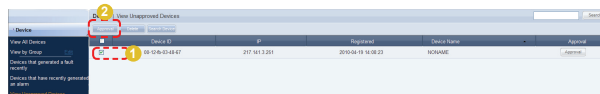
Select 'Device' on the above menu.



Click Device - View Unapproved Devices on the menu shown on the left.

A list of devices awaiting registration will be displayed.

Click a device to approve and click the Approval button to open the Approve Device settings screen.



Click the OK button after completing the Approve Device settings to complete the device approval.

Approved devices can be viewed in device group or View All Devices in View by Group.

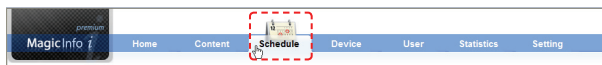


Device settings must be made before schedule settings as schedules are deployed to devices when registered.

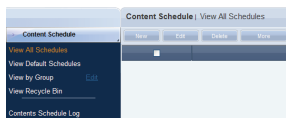
Creating Schedules

Create schedules after completing device settings.

How to Create Content Schedules



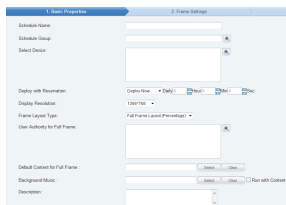
Select 'Schedule' on the above menu.



Click the New button to open the Create Schedule screen.

Creating schedules involves configuring the Basic Properties, Frame Settings, Schedule Constraints settings, and Content Schedule settings.

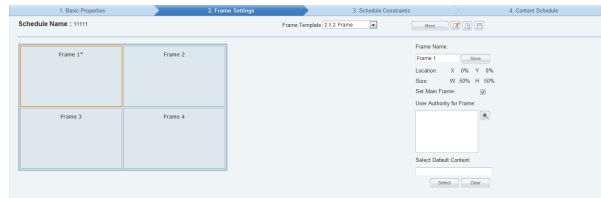
– 1. Basic Properties



The basic properties of a schedule, such as schedule name, schedule group and devices to deploy the schedule to, are configured.

– 2. Frame Settings

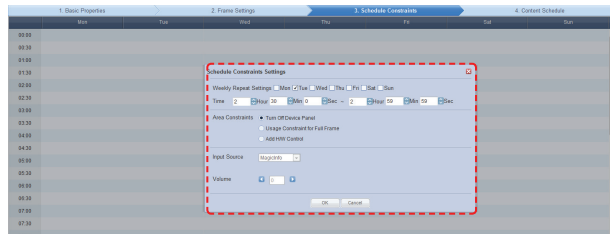
An LFD device screen can be divided to play different contents on each of the split screens.



The screen can be divided into a maximum of 4 screens.

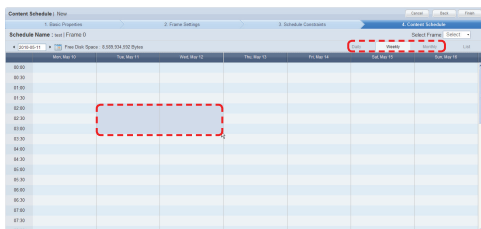
– 3. Schedule Constraints

Schedules cannot be requested for times when constraints (Turn Off Device Panel, Usage Constraint for Full Frame, Add H/W Control) are set.



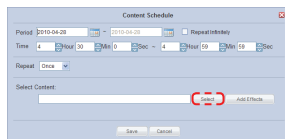
– 4. Content Schedule Settings

The mapping screen is divided into daily, weekly and monthly.



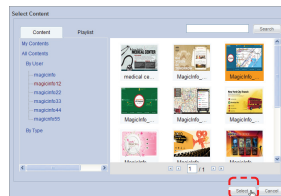
Daily	A daily schedule is set in units of 30 minutes.
Weekly	A weekly schedule is set in units of 30 minutes.
Monthly	A monthly schedule can be set.

Click on the time period of the day to set a schedule. The Content Schedule settings window is displayed.

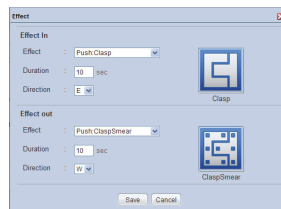


Click the Select button to move to the content selection window.

The time set on the timetable becomes the default setting. Schedule times can be adjusted more precisely in seconds on the content schedule screen.



Select a Content item or Playlist you want to schedule and click the Select button.



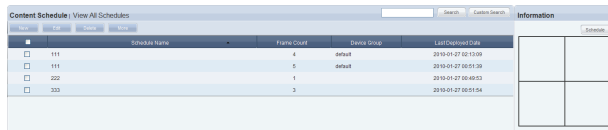
Click the Add Effects button to apply effects to the start and end of the selected content item.

Click Save on the Content Schedule window when content schedule setting is finished. The content schedule is added when all settings are completed.



Click Finish to complete creating the content schedule.

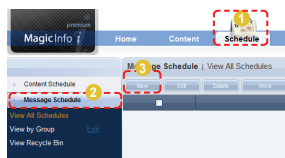
After mapping, the registered schedule can be viewed.



Message	Device	Device Group	Start Time	End Time
111	111	default	2010-01-27 02:13:00	
111	111	default	2010-01-27 02:13:00	
111	111	default	2010-01-27 02:13:00	
111	111	default	2010-01-27 02:13:00	

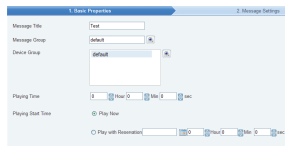
How to Create Message Schedules

Messages can be sent to devices registered on the server. A device which receives a message displays the received message on the screen for a set period of time.



Click the New button in Schedule - Message Schedule.

– 1. Basic Properties



1. Basic Properties

Message Title:

Message Group:

Device Group:

Playing Time: Hour Min Sec

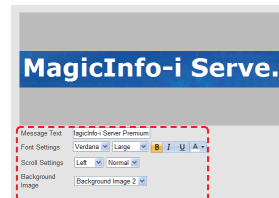
Playing Start Time: Play Now

☐ Play with Reservation Hour Min Sec

Message name, message group, playing time and playing start time can be set.

Click the Next button when basic properties are set to move to the Message Settings screen.

– 2. Message Settings



Message Text: MagicInfo-i Server Premium

Font Settings: Font Size: Font Color:


Scroll Settings: Scroll Speed:

Background Image:

Content, font, effect and background image of messages to be deployed can be set.

Settings configured by the user can be previewed at the top of the screen.

– 3. Display Location



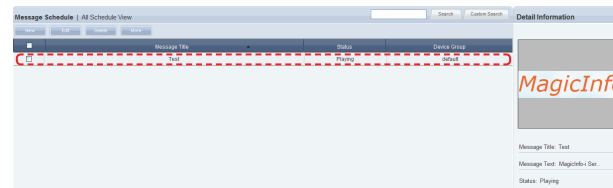
MagicInfo-i Serve...

☐ Top ☐ Middle ☐ Bottom

☐ Left ☐ Right

The position of a message (middle, top, bottom, left or right) on the screen can be set.

Click the Save button when all settings are completed to create a message schedule.



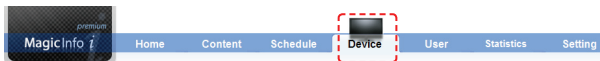
Message Schedule | All Schedule View

Message Title	Device	Device Group
111	111	default

Save

LFD Setting

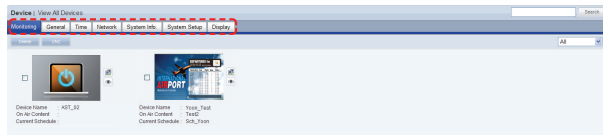
When a schedule is deployed to a device, system settings and display settings of the device can be remotely adjusted or device information can be viewed.



Select 'Device' on the above menu.

Device Management Tab

In Device - View All Devices, device information can be viewed through the Monitoring, General, Network, System Info., System Setup and Display tabs. System settings and display settings can be adjusted through VNC.



- VNC

Devices connected to the server can be remotely controlled. Select a device on the Monitoring tab and click the VNC button.

- Monitoring

Device information (device name, on air content, current schedule) and device on/off status can be viewed in real time.

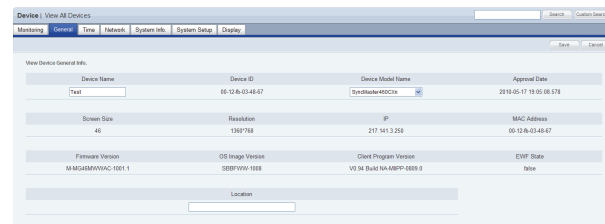
Click on the device image on the screen to open the Detailed View mode screen.



In the Detailed View mode screen, device name, connection status, deployed schedule name, frame count and content download status can be viewed.

- General

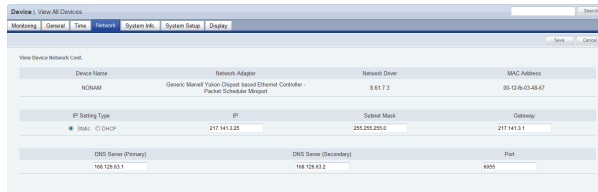
General information for a device is displayed.



Product information cannot be edited. Device Name, Device Model Name and Location can be edited.

– Network

Network information is displayed.



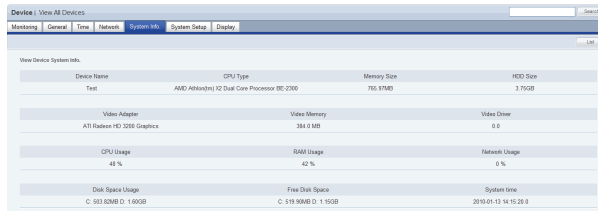
Device Name	Network Adapter	Network Driver	MAC Address
NCHAM	Generic Marvell Yukon-CP3000 Ethernet Controller	Packet Scheduler Minstomp	90-12-B0-03-48-67

IP Setting Type	IP	Subnet Mask	Gateway
Static	217.141.3.25	255.255.255.0	217.141.3.1

DNS Server (Primary)	DNS Server (Secondary)	Port
198.128.83.1	198.128.83.2	9005

– System Info.

System information is displayed.



Device Name	CPU Type	Memory Size	HDD Size
Test	AMD Athlon(tm) 12 Dual-Core Processor BE-2300	819.87MB	3.70GB

Video Adapter	Video Memory	Video Driver
ATI Radeon HD 3200 Graphics	384.0 MB	0.0

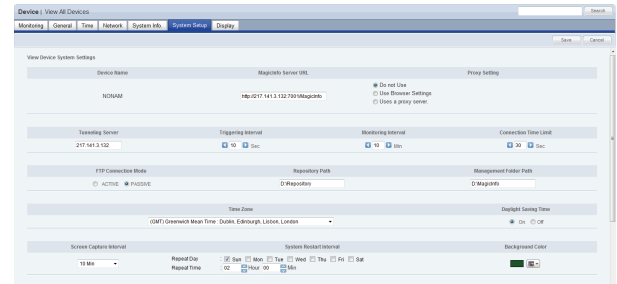
CPU Usage	RAM Usage	Network Usage
41 %	42 %	0 %

Disk Space Usage	Free Disk Space	System Time
C: 90.02MB D: 1.90GB	C: 319.90MB D: 1.90GB	2010-01-13 14:15:28.3

System information cannot be edited.

– System Setup

System settings can be viewed and edited.



Device Name	Repository Server URL	Triggerring Interval	Monitoring Interval	Connection Time Limit
NCHAM	http://217.141.3.122:7000/MagicInfo	30 Sec	30 Sec	30 Sec

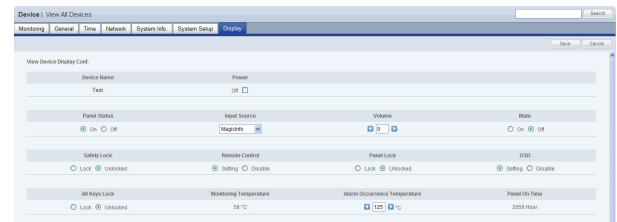
FTP Connection Mode	Repository Path	Management Folder Path
ACTIVE	D:\Repository	D:\Management

Time Zone	Daylight Saving Time
GMT+ Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London	On

Screen Capture Interval	Manual On	Manual Off	System Shutdown Interval	Background Color
11 Min	Off	Off	12 Hour	Green

– Display

Display brightness, volume and mute settings can be viewed and adjusted.



Device Name	Power
Test	Off

Panel Status	Input Source	Volume	Mute
On	HDMI	Mute	On

Safety Lock	Remote Control	Panel Lock	OSD
Lock	Setting	Lock	Setting

All Keys Lock	Monitoring Temperature	Alarm Occurrence Temperature	Panel On Time
Lock	52°C	125°C	2000 Hour



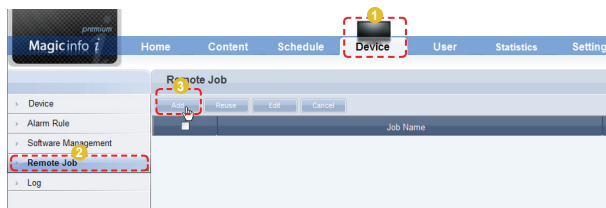
Device must be connected to the server to view and adjust settings. Certain settings of devices not connected to the server cannot be viewed or adjusted.

Remote Job

The user can perform various tasks with devices registered on the server through VNC.

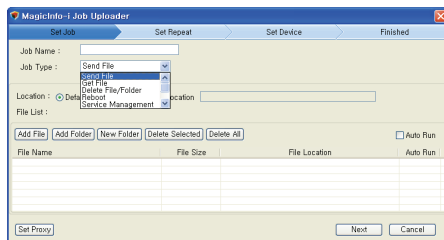
Adding Remote Jobs

Click the Add button at the top of the screen to schedule or perform remote jobs.



– Job Settings

Job types include Send File, Get File, Delete File/Folder, Reboot, Service Management, Launch Command, Kill Process and Close Window. Job type can be selected and related job settings can be configured.



> Job Types

Send File	Files saved on a user PC are sent to a device registered on the server.
Get File	Files and folders in devices registered on the server can be brought to a user PC.
Delete File/Folder	Files and folders in devices registered on the server are deleted.
Reboot	The system or player of devices registered on the server can be restarted.
Service Management	Services running on devices can be managed.
Launch Command	Commands entered in the command window are executed by a device in the same way as commands entered in the CMD window of a general PC are executed.
Kill Process	A process running on a device can be stopped by entering its name.
Close Window	A window open on a device can be closed by entering the name displayed on the top left.



Results of jobs performed on a device can be viewed by clicking the "Device Log" button in Device - View Log List by Device.



When performing Close Window, the entire name at the top left of the window to close must be entered.

Device Fault Management

Alarms and faults occur as follows.

Faults are critical issues, whereas minor issues in system operation are processed as alarms.

When an alarm is displayed, its cause must be removed as a system fault can occur if not removed.

Alarm : Insufficient disk space, LFD device overheating, sudden device switch-off

Fault: LFD device lamp fault, brightness sensor fault, internal fan malfunction

Alarm Occurrence Rule/Alarm Processing Rule Registration

Devices can be managed by registering Alarm Occurrence Rule and Alarm Processing Rule.

Alarm Occurrence Rule	A device sends alarms and faults to the server under certain conditions. An alarm occurrence rule sets such conditions.
Alarm Processing Rule	When alarms and faults of certain conditions are received by the server, an alarm processing rule processes such conditions.

Software Management

Updated applications to be deployed to devices can be registered on the server and software can be deployed to devices at a scheduled time.

> View Software Reg. & Deployment

Software can be registered on devices and registered software can be managed.

> View Software Deployment Status

Software deployment history can be viewed.

Software scheduled for deployment can be edited and cancelled and schedule status (Reserved, Cancel or Completed) can be viewed.

> Automatic Software Update

Software is automatically updated without scheduling a deployment if automatic update is enabled.

Automatic software update takes place as software is automatically recognized after bootstrapping.



Bootstrapping is an exchange of information when server connection is established, i.e. device reconnection to the server.

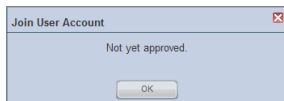
User Management and Role Setting

User Management

The administrator can add users, edit user information, process membership withdrawals, and set custom role. Also, membership requests by new members can be approved or rejected.

– Approve User

After signing up, general users can log in after the approval of an administrator. The following message is displayed when login is attempted without the approval of an administrator.



– Custom Role Setting

The administrator designates a role to each user for the use of the server. Depending on the role designated, users may face restrictions in the use of the server and some menus may not be displayed.

> Types of Roles

Administrator	Overall events that take place in the organization can be managed.
Content Manager	The Content menu can be viewed and managed.
Content User	The Content menu can be viewed.
Device Manager	The Device menu can be viewed and managed.
Schedule Manager	The Schedule menu can be viewed and managed.
Schedule User	The Schedule menu can be viewed.
User Manager	The User menu can be viewed and managed.



Types of roles can be created and edited by the administrator.

– Creating Organizations

Organization groups can be created in User - View by Group.

Organizations created in the 'User' menu are applied to the Content, Schedule, Device and User menus.



For details about user management and role settings, refer to the SaaS mode guide section in the user manual for MagicInfo-i Premium Edition Server.

> View Recently Withdrawn Users

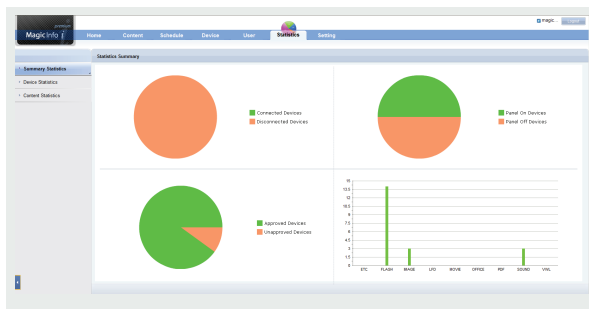
Users can withdraw their membership in Setting - Manage User Info. - 'Withdraw Membership'. User information deleted by the administrator can be viewed.

User's Recently Withdrawn Users			Search
User information is deleted 1 week after membership withdrawal.			
User ID	User Name	Date Withdrawn	
no2222	Test11	2019-05-21 23:25:48	
boover	boover	2019-05-21 23:26:11	
hn2222	hn2222	2019-05-23 11:24:04	

User information of withdrawn users is valid for 1 week. Such user information is deleted after 1 week.

Statistics Management

Statistics are divided into Summary Statistics, Device Statistics, and Content Statistics. The administrator can efficiently manage contents and devices by referencing statistics. Chart functions are provided for the statistics on each menu.



Statistics Menu

– Summary Statistics

Statistics on Device Connect/Disconnect Statuses for All Devices, Device Panel On/Off Status for Connected Devices, Device Approved/Unapproved Status, and Number of Registered Content Items by Type are displayed.

– Device Statistics

Device errors, connection status, approved devices and device schedules can be viewed as statistics.

– Content Statistics

The frequency and types of contents played in MagicInfo-i Premium Edition Client can be viewed as statistics.

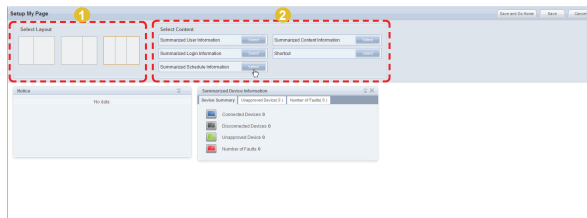


Statistics can be sent to a user's PC.
(Excel or PDF)

Setting

Setup My Page

A layout can be selected in Setting - Setup My Page on the server's main menu and frequently used contents can be placed on the home screen as desired.



A Shortcut to Notice, Summarized Login Information, Summarized Device Information, Summarized Schedule Information, Summarized User Information and the main functions of each menu can be placed on the home screen as desired.

Manage User Info.

User information can be viewed, login password can be managed, and membership can be withdrawn.

- View User Information

New User Information	
USER ID	maginfo
USER NAME	Administrator
ORGANIZATION	Membership
TYPE	
POSITION	
TELEPHONE	
MOBILE PHONE NUMBER	
E-MAIL	maginfo@maginfo.net

User information entered at the time of sign up can be viewed and edited.

- Manage Password

Login password can be edited.

- Withdraw Membership

Membership can be withdrawn in Setting - Manage User Info. - Withdraw Membership.

- Transfer Administrator Privileges

An organization administrator can transfer his/her role to another user.

An administrator loses his/her role as an organization administrator when it is transferred to another user.

For an administrator to delegate their role to another user, the administrator and the user that will take over the role must belong to the same organization.

Server Settings

Alarm mailing can be set for e-mail notification of faults and alarms in devices, and a SMTP server address can be set for e-mail notification of user rejection and temporary passwords. Also, you can configure the device refresh cycle and select whether to display menu items related to Lite and VideoWall.

– Is Alarm Mailing Enabled

Check the “Send a mail to the administrator when an alarm occurs.” field to send notification e-mail to an administrator in the event of a device error. The notified administrator addresses the device error.

– SMTP Server Address

A SMTP server address can be set for e-mail notification of user rejection and temporary passwords.

– MagicInfo-i Lite Menu On

You can choose whether to enable and display menu items related to MagicInfo Lite. Check Enable off. The menu items related to MagicInfo Lite will appear in the Content, Schedule, and Device tabs.



Refer to the MagicInfo Lite Edition Server user’s manual for further details on the MagicInfo-i Lite Menu On function.

– Device Refresh Interval

The interval at which the server checks for commands to be executed by a device can be set.

– MagicInfo-i VideoWall Menu On

Select whether to activate and display the VideoWall menus. Check Enable off. The menu items related to VideoWall will appear in the Schedule, Device, and Statistics tabs.



Refer to the ‘Installing and Using VideoWall’ section in the MagicInfo-i Premium Edition Server user manual for further details on MagicInfo-i VideoWall Menu on.

FTP Server Manager

Information on the download server from which devices can download files is displayed.

A download server can be started, stopped or restarted.

View System Info.

System, OS information and JVM information on MagicInfo-i Premium Edition Server can be viewed.

System status can be viewed only.

License Information

MagicInfo-i Premium Edition Server license can be viewed.

Server Licenses Info.					
Product Kind	Grade	Charge Type	Connections	Serial No.	Reg Date
MagicInfo-i	Premium	Free	5	511	2019-01-23 02:54:15-040



Refer to the 'Setting' section in the MagicInfo-i Premium Edition Server user manual for further details on settings.

Installing and Using MagicInfo Mobile

By installing the MagicInfo Mobile application on your smartphone, you can access the server through the smartphone to manage devices and configure the server settings.



Refer to the 'Installing and Using MagicInfo Mobile' section in the MagicInfo-i Premium Edition Server user manual for further details on MagicInfo Mobile.