

Samsung

MagicINFO™ 

User Guide

SAMSUNG

CONTENT

1. Overview
2. How to install
3. Guide to User Management
4. How to Upload Content
5. Guide to Device Management
6. Guide to Tag Management
- 7-13. Guide to Create Schedule



01 Overview

1.1 MagicINFO Server Menu

Dashboard

admin Sign Out ?

Resource Status

Content 20/32 Playlist 2/4 RuleSet 0/0 Schedule 5/7

Device Status

Connected 9/10 Disconnected 1/10

Connected Devices by Device Type

Device Type	Count
W Player	4
S Player	5
Kiosk	1

Connected Devices (Real Time)

Connected Devices (Yesterday/Today)

Device Health by Device Type

Error 0 Warning 0

Device Health Details

Category	Value
Sensor	10
System	9
Black Screen	8
HDMI Out	7
Audio	6
One Connect	5

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 Menu required for creating schedule

 Proof of Play

 Server Total Management

 Server Status

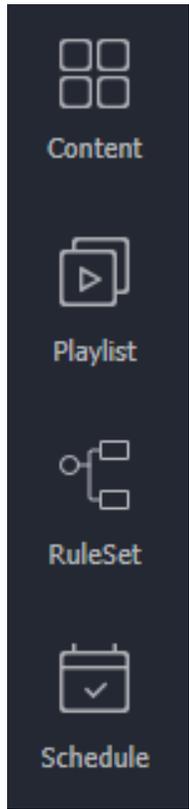
 Device Management (w/ RM)

 User Management

 Insight (Add-on Service)

1.2 Scheduling

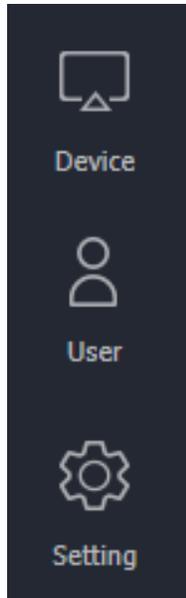
✓ The most basic menu for schedule



- Content Management
 - ✓ Create content with Web Author and Upload
- Playlist Management
 - ✓ Create various types of Playlists using registered content
- Play Rule Management
 - ✓ Set the content to play according to predefined rules
- Schedule Management
 - ✓ Create and publish a schedule with content registered in Content, Playlist, and RuleSet

1.3 Management

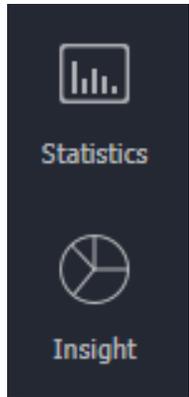
✓ Server, Device, User Management Menu



- Device Management
 - ✓ Device setup and device control enable (Remote Control included)
- User Management
 - ✓ User creation and user rule configuration
- Server Management
 - ✓ Overall server Management (License, Tag, Server Settings etc.)

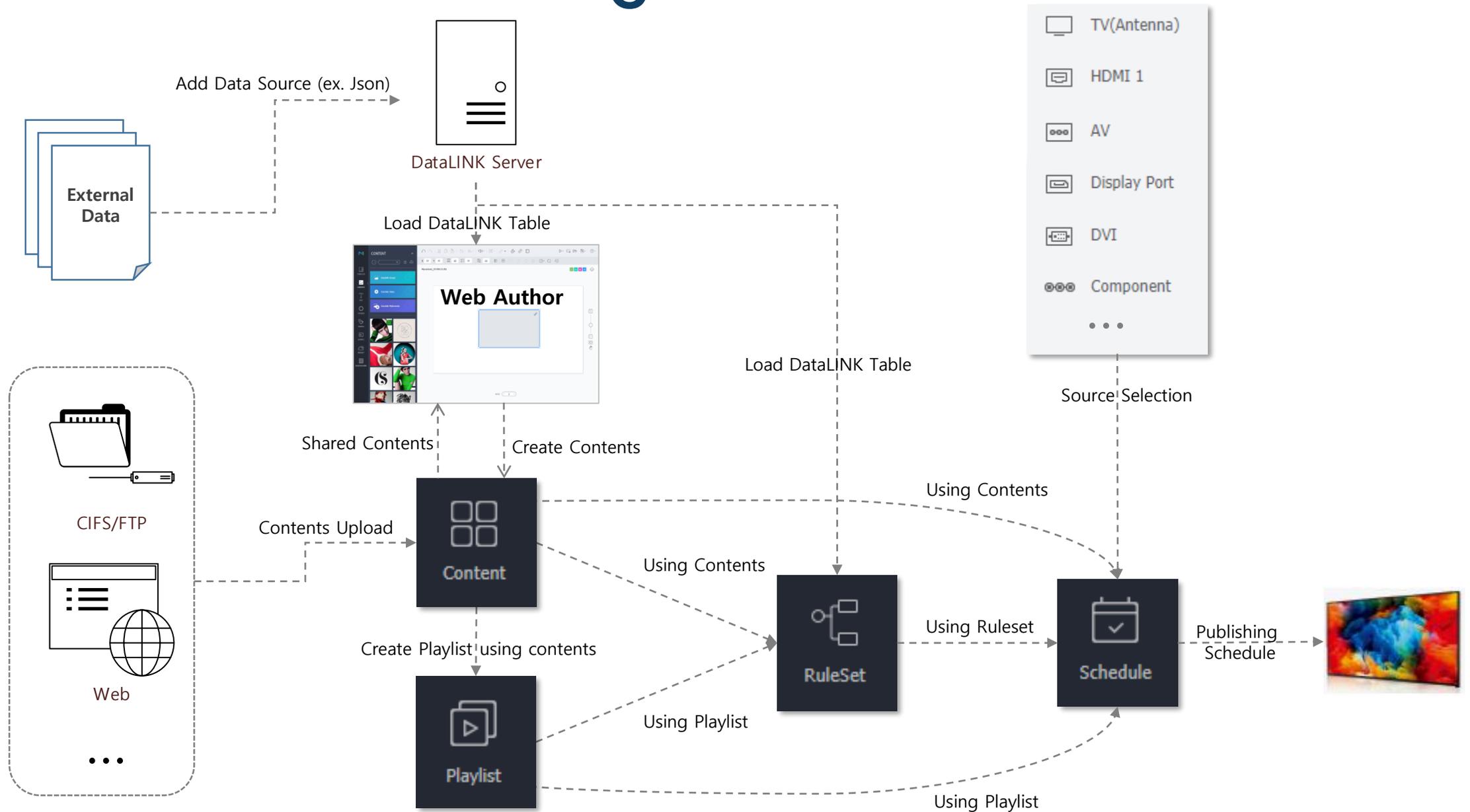
1.4 Statistics

- ✓ **Statistics on device connection and content playback information.**



- **Statistics in Server**
 - ✓ Simple statistics for device connection and content playback
- **MagicINFO Insight (Paid)**
 - ✓ **Add on Service**, Statistics related specialized Server
 - ✓ Statistics on content playback information per device group based on Tag

1.5 Process for Scheduling





02

How to install

2.1 Install

Step1. Install PostgreSQL 9.6 (Supported PostgreSQL 12 from MIS9)

* PostgreSQL URL: <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

Version	Linux x86-64	Linux x86-32	Mac OS X	Windows x86-64	Windows x86-32
9.6.21	Download				

* MagicINFO 9 supports 64 bit only

Step2. Install MagicINFO Server

* Web Manual: <http://displaysolutions.samsung.com/docs/pages/viewpage.action?pageId=47513732>

Step3. Install DataLINK Server (*Option)

Step4. Register S/W license in MagicINFO Server (Refer to 2.2)

Step5. Register DataLINK Server in MagicINFO Server (*Option, Refer to 2.3)

Step6. Register DataLINK License in Datalink Server (*Option, Refer to 2.4)

@@@@@@@@@@@@@@@@@@@@ If you use W Player @@@@@@@@@@@@@@@@@@

* Not used when not registered

※ If you want to know W Player, please refer to Appendix: W Player

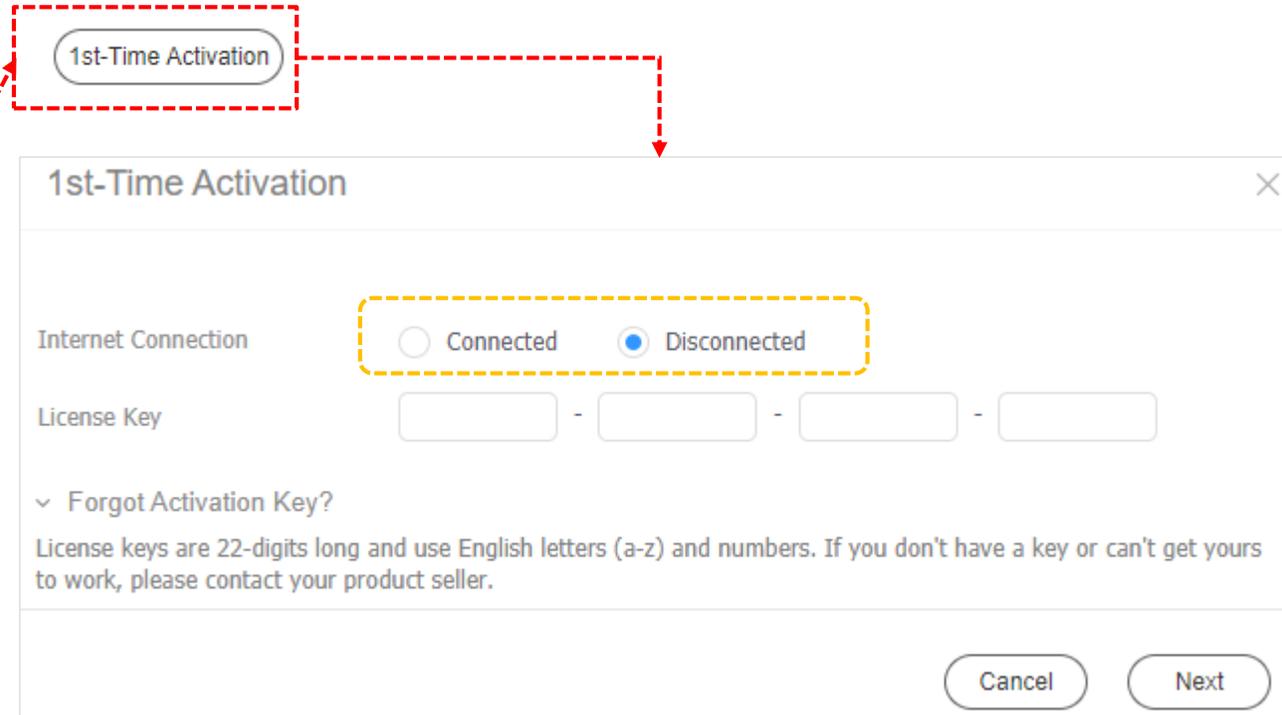
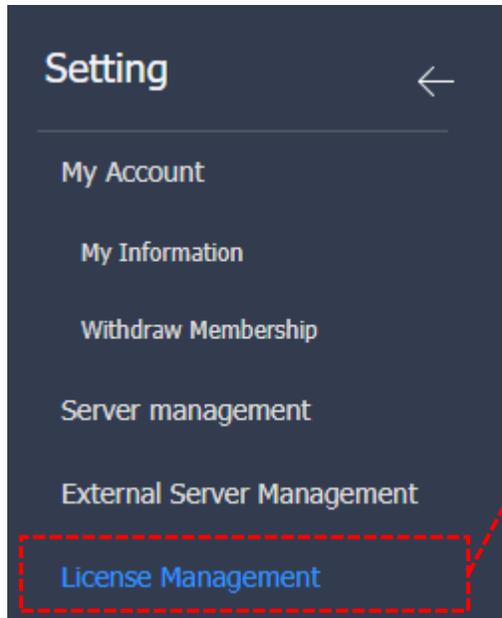
Step7. Convert Device type from S Player to W Player (refer to 2.5)

Step8. Device approval again for W Player.

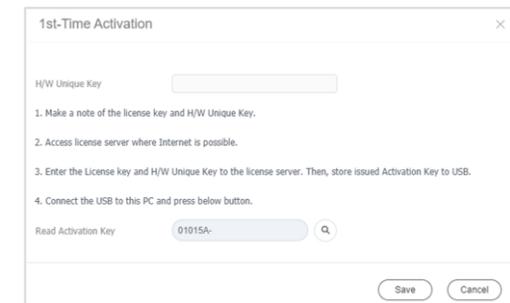
Step9. Install W Player APP for using W Player (refer to 2.6)

2.2 Register S/W License

✓ Register S/W License in MagicINFO Server

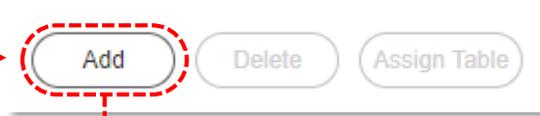
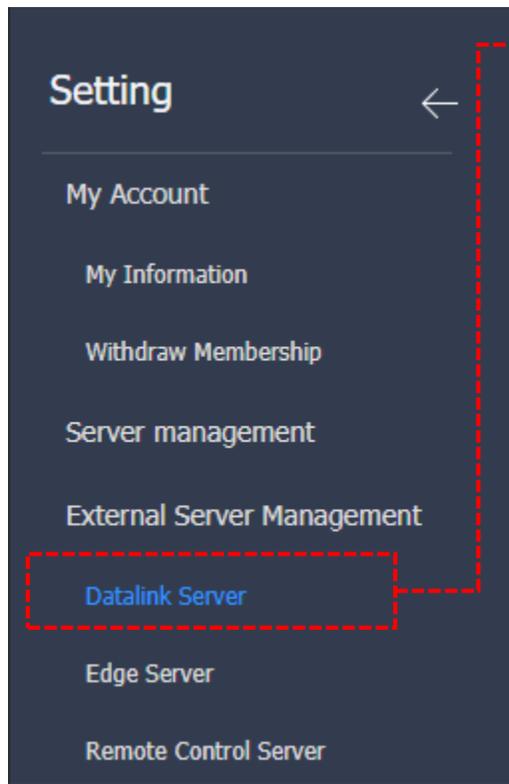


- In Connected (online) mode, simply enter the License Key
- In Disconnected (offline) mode, the license is Activated with Hardware Key
 - ✓ Select 'Next' Button, check the Hardware Key and register the License Key



2.3 Register DataLINK Server

✓ Register DataLINK Server in MagicINFO Server



Datalink Server

Server Name: DataLINK

IP: [REDACTED]

Web Port: 8080

FTP Port: 21

Period: 30 Sec

SSL:

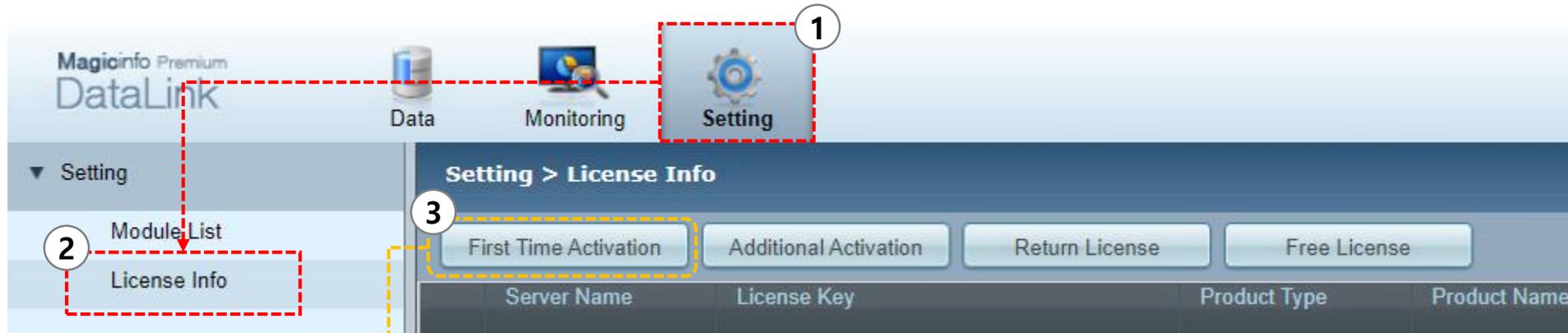
Bypass:

✓ Click 'Link' button to access DataLINK Server

Server Name	IP	Web Port	FTP Port	Period	SSL	Bypass	Server Network Settings
DataLINK	[REDACTED]	8080	21	30	No	No	<input type="button" value="Link"/>

2.4 Register DataLINK Server License

✓ Register DataLINK Server License in DataLINK Server



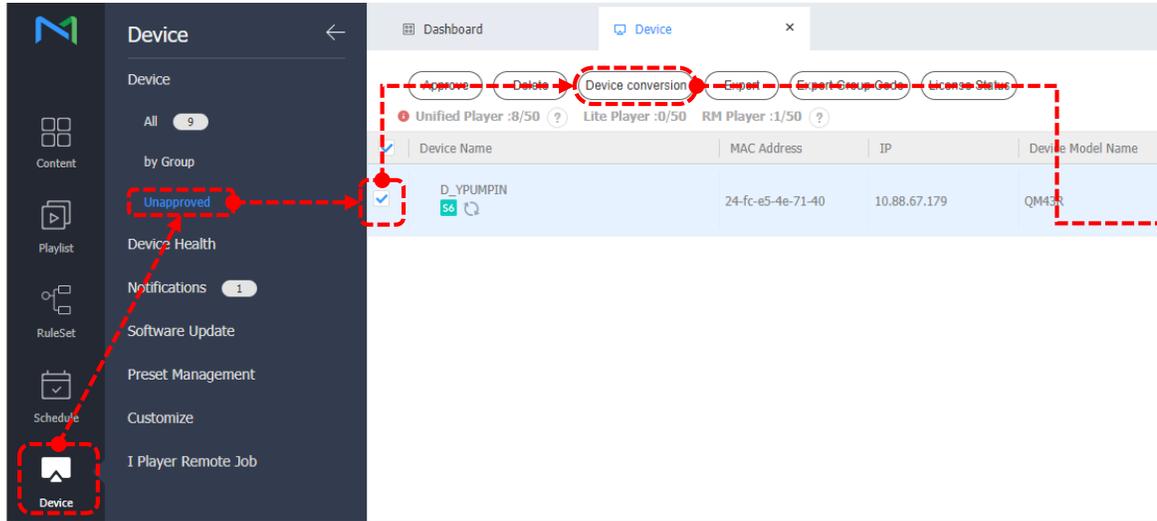
The screenshot shows the License Key registration form in Connected mode. At the top, there is a section for Internet Connection with two radio buttons: Connected (selected) and Disconnected. Below this, there is a License Key input field with a 'Continue' button. Further down, there are input fields for Company Name, Division, Address, Phone Number, and E-mail. At the bottom, there is a checkbox for 'Agree to provide information' and a 'Terms and Conditions' button.

The screenshot shows the License Key registration form in Disconnected mode. At the top, there is a section for Internet Connection with two radio buttons: Connected and Disconnected (selected). Below this, there is a red warning message: "If you want to use this program while offline, you need to access license server where internet is possible to get a activation key." Below the warning, there is a License Key input field with a 'Continue' button.

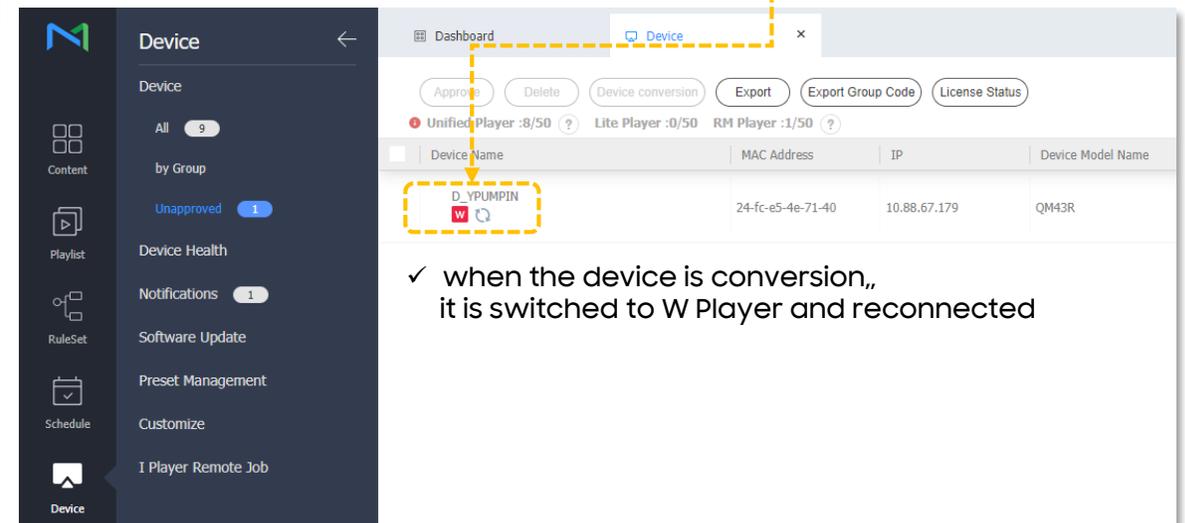
- In Connected (online) mode, simply enter the License Key
- In Disconnected (offline) mode, the license is Activated with Hardware Key
 - ✓ Select 'Next' Button, check the Hardware Key and register the License Key

2.5 Convert to W Player (Status: Unapproved)

✓ Converting to W Player directly from Unapproved.



✓ Conversion is not possible with W Player in Lite Player



* Pre-Condition (Mandatory)

. MagicINFO Server **8000.a**

. S6 Player **T-KTM2ELAKUC-2090.7**

2.5 Convert to W Player (Status: approved)

✓ Converting from S Player to W Player is possible only in the MagicINFO Server.

Time Setup Display

Icon ? Filter ? Menu ?

✓ Select detail list mode

Device Name	MAC Address	MagicInfo Server URL	Proxy Setting	Tunneling Se...	Triggering Interval	Monitoring Interval	Connection Time L
QB13R-T_01	d0-d0-03-32-da-77	http://10.88.67.189:7001/MagicInfo	Do not use	0.0.0.0	5sec	10min.	5sec
QB13R-T_02	d0-d0-03-32-da-6e	http://10.88.67.189:7001/MagicInfo	Do not use	0.0.0.0	5sec	10min.	5sec

* Pre-Condition (Mandatory)

- . MagicINFO Server [8000.a](#)
- . S6 Player [T-KTM2ELAKUC-2090.7](#)

Convert

Select the device type to convert to.

Schedule and content files on the device will be deleted when the device type is converted.

Device Type Lite W Player

OK Cancel

W Player

✓ when the device type is changed, the device status changes to unapproved.

✓ For Lite Player, Conversion is possible with W Player after converting to S Player

2.6 Install W Player App

✓ Install the separated APP for using W Player

- You can use various Web Technologies such as CSS)

The image illustrates the process of installing a W Player app through a software management interface. The main interface shows a 'Device' list with columns for 'Device Type' and 'Software Name'. A 'Register & Publish' button is highlighted in the top right of the device list. A 'Register Software' dialog box is open, showing the following fields: Device Type (WPLAYER), File Type (Web App), Software Name (Beta_Test_Version), and File Name (MagicINFO9-WPI...). The 'Publish' dialog box is also open, showing the following fields: Device Type (WPLAYER), Device Model Name (Default), Software Name (NA-MIWP-0917), Software File Name (NA-MIWP-0917.0.zip), Software Type (Web App), Software Version (NA-MIWP-0917.0), CRC Info. (Se8d1a67), Publish time (Publish Now), Schedule Publish (2019-10-11 00:00), and Select Applicable Device(s) (By Device Group). A 'Select Group' dialog box is open, showing a list of groups with '23F_UCROH_W_Q849R 1' selected. The 'Register' button in the main interface is highlighted with a red dashed box, and the 'Publish' button in the 'Publish' dialog is highlighted with a green dashed box. The 'Select Group' dialog is also highlighted with a green dashed box.



03 Guide to User Management

3.1 Overview

✓ User Home Menu

- Password protected access only

The screenshot displays the 'User' management interface. On the left is a dark sidebar with navigation icons for Content, Playlist, RuleSet, Schedule, Device, Statistics, User, Setting, and Insight. The main content area is titled 'User' and contains a password prompt: 'Please enter your password.' with fields for 'User ID' (containing 'admin') and 'Password' (masked with dots). An 'OK' button is circled in red. Below this, a table of users is shown, also circled in red. The table has columns for User ID, User Name, Organization Name, Group Name, and Role Name. The first row contains the data: orgadmin, orgadminName, DefaultOrg, default, and Administrator.

User ID	User Name	Organization Name	Group Name	Role Name
orgadmin	orgadminName	DefaultOrg	default	Administrator

3.2 Add Organization

✓ Add Organization

The image illustrates the process of adding a new organization in a user management system. It is divided into three main sections:

- Top Section:** Shows the 'User' management interface. The 'Add Organization' button is highlighted with a red dashed box. Below it is a table of users.
- Bottom Section:** Shows the 'Add Organization' form. The form is divided into 'Organization Information' and 'Default Information' sections. The 'Add Organization' button is highlighted with a blue dashed box.
- Right Section:** Shows the 'Add Organization' form in detail, with fields for Organization, Group, Role, Team, Position, User ID, Password, Confirm New Password, User Name, E-mail, Mobile Phone Number, and Telephone. The 'Save' button is highlighted with a blue dashed box.

User Table Data:

User ID	User Name	Organization Name	Group Name
admin	admin	ROOT	Administrators
kiosk	kiosk	Kiosk	default
orgadmin	orgadminName	DefaultOrg	default

Add Organization Form Fields:

- Organization: LED
- Group: Default
- Role: Administrator
- Team: Team
- Position: Position
- User ID: led.admin
- Password: [Redacted]
- Confirm New Password: [Redacted]
- User Name: LED Admin
- E-mail: led.admin@samsung.com
- Mobile Phone Number: Mobile Phone Number
- Telephone: Telephone

3.3 Add User Role

✓ It is possible to see the details of default roles and add a new User role.

The screenshot shows a user interface for managing roles. On the left is a dark sidebar with navigation options: 'User', 'All', 'by Group', 'Unapproved', 'Withdrawn Users' (with a count of 1), 'Role', and 'Organization Group'. The main area has a breadcrumb 'Dashboard > User' and a toolbar with 'Add', 'Refresh', 'Edit', and 'Export' buttons. Below the toolbar is a table of roles:

Role Name	Organization
Administrator	ROOT
Approval_Manager	DefaultOrg
Content Manager	ROOT
Content Schedule Manager	ROOT
Content Uploader	ROOT
Device Manager	ROOT
Schedule Editor	ROOT
Schedule Manager	ROOT
User Manager	ROOT

The 'Add Role' dialog box contains the following fields and options:

- Role Name:
- Role:
- Organization:

Below these fields is a permissions matrix:

	Read	Create	Lock	Manage
Content & Playlist & RuleSet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schedule	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
User	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Server Settings		<input type="checkbox"/>		
Statistics		<input type="checkbox"/>		
Insight	<input type="checkbox"/>			<input type="checkbox"/>

At the bottom of the dialog are buttons for 'Details', 'Save', and 'Cancel'.

3.3 Add User Role: Set information

✓ Adding Custom Roles

Add Role

Role Name: Device Approval Manager

Role: Custom Role

Check Duplication

✓ The role name you entered is available.

✓ After entering a Role Name, click 'Check Duplication'

✓ All role lists can be checked.

- Custom Role
- Administrator
- Approval_Manager
- Content Manager
- Content Schedule Manager
- Content Uploader
- Device Approval Manager
- Device Manager
- Schedule Editor
- Schedule Manager
- User Manager

✓ The 'Check Duplication' button is disabled when check completes successfully

Add Role

Role Name: Sub Manager

Role: Custom Role

Organization: DefaultOrg

Check Duplication

✓ You can check the organization created on the server

- Organization: Select Organization
- DefaultOrg
 - Kiosk
 - LED
 - ROOT

3.3 Add User Role: Details

✓ Click 'Details' to access the hidden Roles

	Read	Create	Lock	Manage
Content & Playlist & RuleSet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Read	Create	Manage	
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Read	Control	Create	Manage
Device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Manage		
Server Settings		<input type="checkbox"/>		
Statistics		<input type="checkbox"/>		
	Read		Manage	
Insight	<input type="checkbox"/>		<input type="checkbox"/>	

Details Save Cancel

	Read	Create	Lock	Manage
Content & Playlist & RuleSet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Read	Create	Manage	
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Read	Control	Create	Manage
Device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Approve	Move	Customize	
Device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Delete	Software Update	
Device		<input type="checkbox"/>	<input type="checkbox"/>	
			Security	
Device			<input type="checkbox"/>	
		Manage		
Server Settings		<input type="checkbox"/>		
Statistics		<input type="checkbox"/>		
	Read		Manage	
Insight	<input type="checkbox"/>		<input type="checkbox"/>	

Main Save Cancel

3.3 Add User Role: Result

Role Name	Organization
Administrator	ROOT
Approval_Manager	DefaultOrg
Content Manager	ROOT
Content Schedule Manager	ROOT
Content Uploader	ROOT
Device Approval Manager	DefaultOrg
Device Manager	ROOT
Schedule Editor	ROOT
Schedule Manager	ROOT
User Manager	ROOT

< Before "Add Role" >

Add Role

Role Name: Sub Manager

Role: Custom Role

Organization: DefaultOrg

✓ Added Role is mapped to the selected Organization

	Read	Create	Lock	Manage
Content & Playlist & RuleSet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Read	Create	Manage
Schedule	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Read	Control	Create	Manage
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Approve		Move	Customize
	<input checked="" type="checkbox"/>	Delete		Software Update
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Security

	Manage
Server Settings	<input checked="" type="checkbox"/>
Statistics	<input type="checkbox"/>

	Read	Manage
Insight	<input type="checkbox"/>	<input type="checkbox"/>

Main

Role Name	Organization
Administrator	ROOT
Approval_Manager	DefaultOrg
Content Manager	ROOT
Content Schedule Manager	ROOT
Content Uploader	ROOT
Device Approval Manager	DefaultOrg
Device Manager	ROOT
Schedule Editor	ROOT
Schedule Manager	ROOT
Sub Manager	DefaultOrg
User Manager	ROOT

< After "Add Role" >

3.4 Add User

✓ User can be added per Organization and Group

The screenshot shows a user management interface. On the left is a dark sidebar with navigation options: 'User', 'All', 'by Group', 'Unapproved', 'Withdrawn Users', 'Role', and 'Organization Group'. The main area has a breadcrumb 'Dashboard > User' and a row of action buttons: 'Add User', 'Add Organization', 'Edit Role', 'Export', and 'Device Permissions'. Below the buttons is a table with columns: 'User ID', 'User Name', 'Organization Name', and 'Group Name'. The table contains three rows of user data.

User ID	User Name	Organization Name	Group Name
admin	admin	ROOT	Administrators
kiosk	kiosk	Kiosk	default
orgadmin	orgadminName	DefaultOrg	default

The 'Add User' modal form is shown, enclosed in a red dashed border. It is divided into two sections: 'Default Information' and 'Organization Information'. The 'Default Information' section includes fields for 'User ID', 'Password', 'Confirm New Password', 'User Name', 'E-mail' (pre-filled with 'magicinfo@samsung.com'), 'Mobile Phone Number', and 'Telephone'. The 'Organization Information' section includes dropdown menus for 'Organization' (pre-filled with 'DefaultOrg'), 'Group' (pre-filled with 'default'), 'Role' (pre-filled with 'Administrator'), and 'Organization Group' (pre-filled with 'Select Organization Group.'). There are also text input fields for 'Team' and 'Position'. At the bottom right, there are 'Save' and 'Cancel' buttons.

3.4 Add User: Set information

✓ Assigning a Role to a User

Add User

Default Information * is a required item. Please enter a value.

User ID *

Password *

Confirm New Password *

User Name *

E-mail *

Mobile Phone Number

Telephone

Organization Information

Organization *

Group *

Role *

Team

Position

Select Group

Group Name

- DefaultOrg
 - default

✓ The rules registered in the selected organization are shown

User ID	User Name	Organization Name
admin	admin	ROOT
kiosk	kiosk	Kiosk
led.admin	LED Admin	LED
orgadmin	orgadminName	DefaultOrg

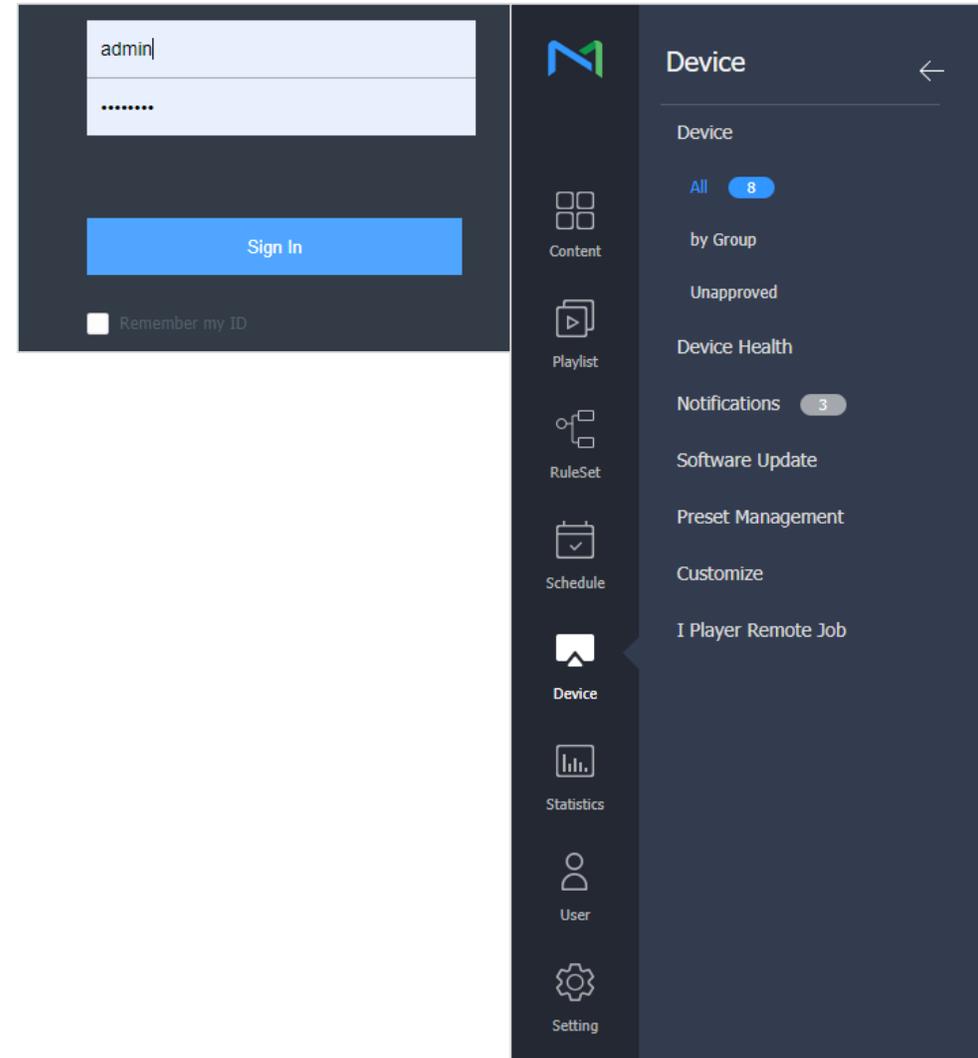
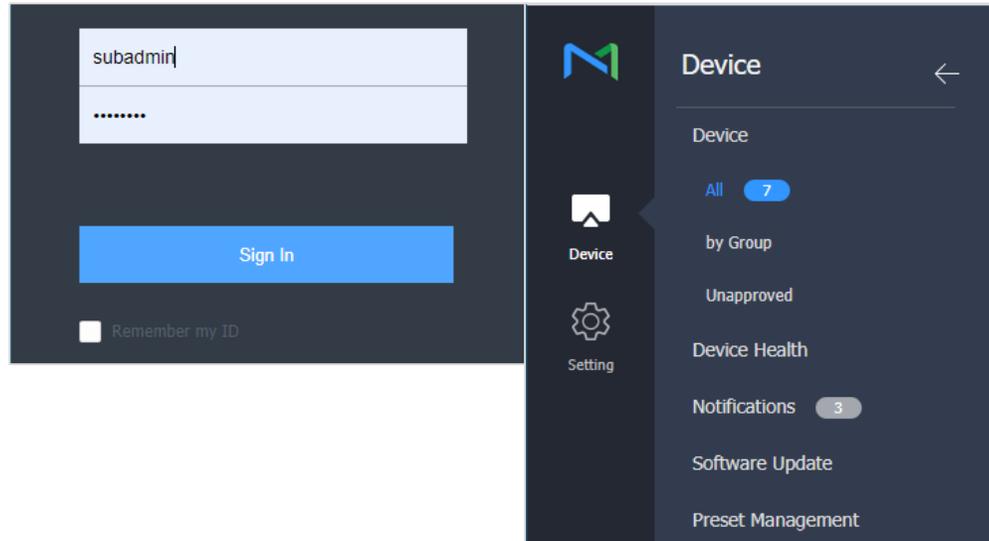
< Before "Add User" >

User ID	User Name	Organization Name
admin	admin	ROOT
kiosk	kiosk	Kiosk
led.admin	LED Admin	LED
orgadmin	orgadminName	DefaultOrg
subadmin	SubAdmin	DefaultOrg

< After "Add User" >

3.5 User Login

✓ Server menu visibility is dependent on User Role



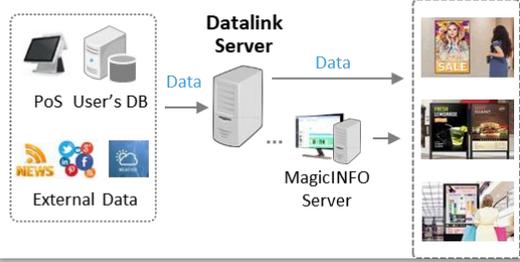
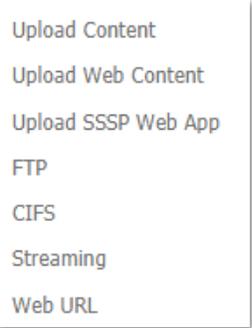


04

How to Upload Content

4.1 Upload Method

✓ Content Upload , Web Author, Content menu

	Web Author	DataLINK Server	Content Upload
How to			
Feature	<ul style="list-style-type: none"> ▪ Creating content by utilizing content stored on the server or data from DataLINK. ▪ Using W Player API to create content (W Player only) 	<ul style="list-style-type: none"> ▪ Creating DB by utilizing external data or customer information ▪ Programmable content is required including ▪ touch enabled content (I Player Only) 	<ul style="list-style-type: none"> ▪ Local Content Upload ▪ Create content by entering URL directly
Supported Format	<ul style="list-style-type: none"> ▪ Image, Video, web, LFT, etc. 	<ul style="list-style-type: none"> ▪ XML, Excel, DB, Web, Outlook etc. 	<ul style="list-style-type: none"> ▪ Just Upload
Output	<ul style="list-style-type: none"> ▪ LFD, LFT, VWL 	<ul style="list-style-type: none"> ▪ Same with Supported Format 	<ul style="list-style-type: none"> ▪ LFD, Image, Video, DLK, etc.

4.2 Content Upload – New: Upload Content

- ✓ Add content files saved on your computer.
 - Content storage location can be specified using the Category

The image illustrates the process of uploading content through a web interface. It shows a sequence of three overlapping screenshots:

- Left Screenshot:** A dark sidebar menu with 'Content' at the top. A 'New' button is highlighted, and its dropdown menu is open, showing 'Upload Content' as the selected option.
- Middle Screenshot:** The 'Upload Content' dialog box. It shows a progress bar at 0% and a table with one row: 'capture_01.PNG' in the 'Group' column, 'NONE' in the 'Category' column, and '381 KB' in the 'File Size' column. The 'Category' button is highlighted with a green dashed box, and a green arrow points from it to the 'Select Group' dialog.
- Right Screenshot:** The 'Select Group' dialog box. It shows a 'Check Group' section with two options: 'DefaultOrg' and 'Kiosk'. The 'DefaultOrg' option is selected with a checkmark. A red dashed arrow points from this option back to the 'Category' column in the middle screenshot.

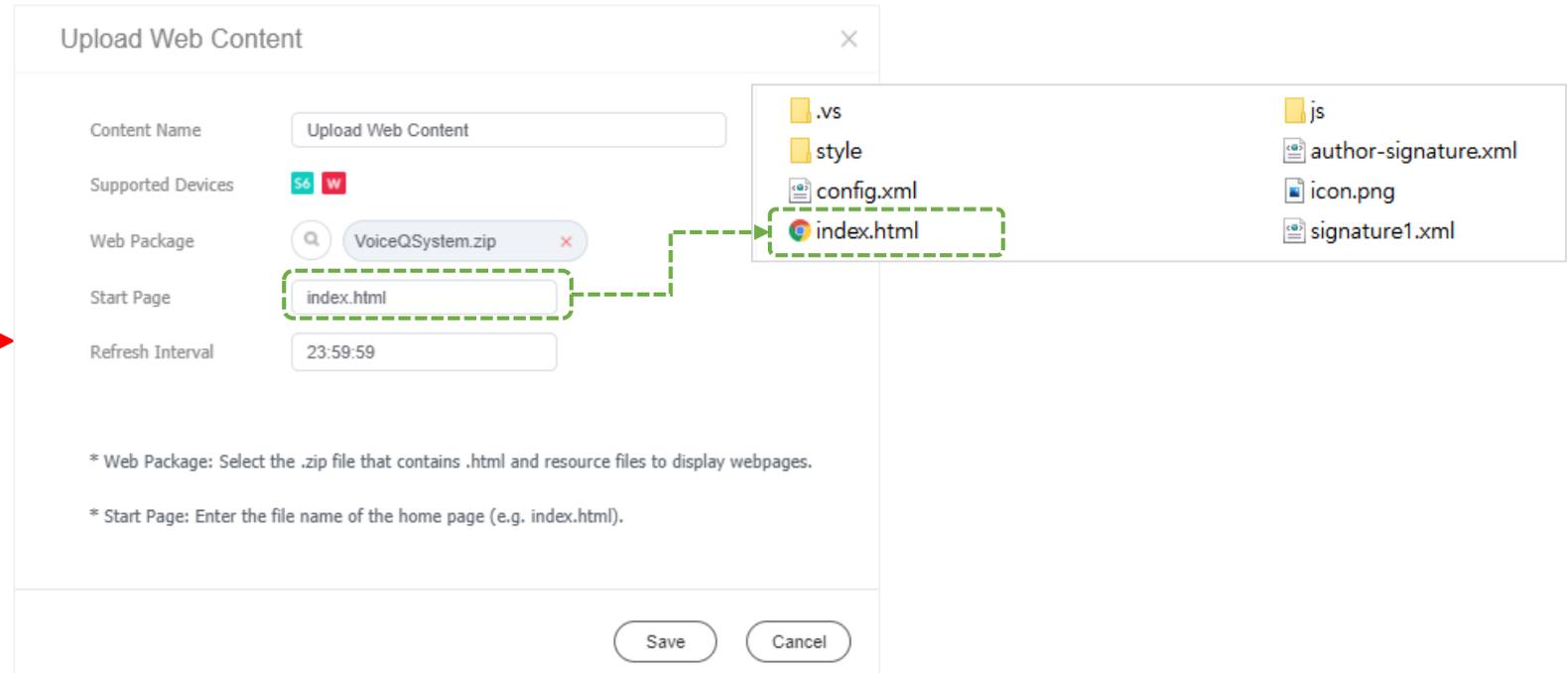
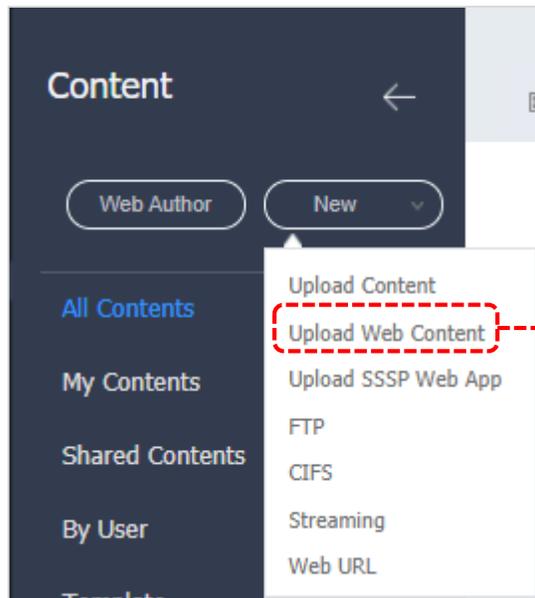
The final state of the 'Upload Content' dialog (bottom screenshot) shows the 'Category' column updated to 'DefaultOrg'.

File Name	Group	Category	File Size	Status
capture_01.PNG	default	NONE	381 KB	0%

File Name	Group	Category	File Size	Status
capture_01.PNG	default	DefaultOrg	381 KB	0%

4.2 Content Upload – New: Upload Web Content

- ✓ HTML File can be registered as contents. Web contents must be Zipped
 - Offline mode available only with zipped contents



- Refresh Interval
 - ✓ To run the rule in the device that is the same as the

4.2 Content Upload – New: Upload Content

✓ Web app package file can be registered as content.

- SSSP Web app compatible with S Player only

The 'Content' menu is shown with the following options:

- Web Author
- New
 - Upload Content
 - Upload Web Content
 - Upload SSSP Web App**
 - FTP
 - CIFS
 - Streaming
 - Web URL

The 'Upload SSSP Web App' dialog box contains the following information:

- Content Name: SSSP_App_HTML5_Seamless_Switch
- Web App Package: HTML5SeamlessSwitch.wg
- Configuration File: sssp_config.xml
- Refresh Interval: 00:01:00
- *Web APP Package: Select SSSP Web App file. (e.g. App.wgt)
- *Configuration File: Select configuration file of SSSP Web App file. (e.g. sssp_config.xml)
- Buttons: Save, Cancel

The first 'Open' dialog box shows the file selection process for the Web App Package:

- File name: HTML5SeamlessSwitch.wgt
- File type: WGT 파일 (*.wgt)

The second 'Open' dialog box shows the file selection process for the Configuration File:

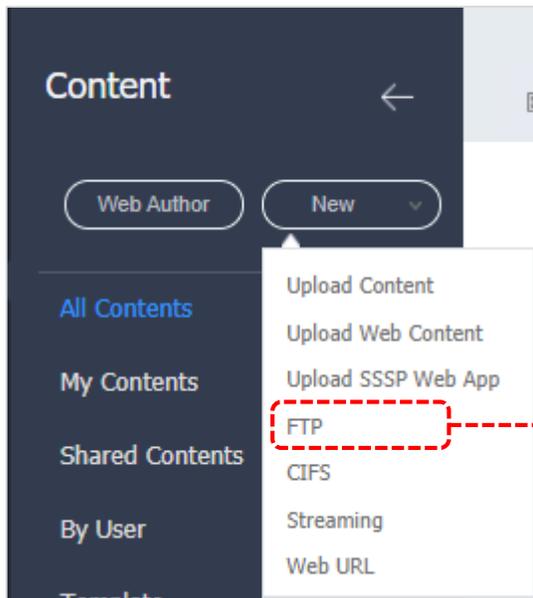
- File name: sssp_config.xml
- File type: XML Document (*.xml)

The resulting content entry is shown in the table below:

Content	Content Name	Details	Supported Devices
	SSSP_App_HTML5_Seamless_Switch	SAPP 9 MB	S6

4.2 Content Upload – New: FTP

- ✓ Add content files saved on a computer in a remote location. (Via FTP)
 - After a content file is added from a remote location, MagicINFO Server communicates with the source computer regularly to update the content file.



Add FTP Content

Content Name

FTP Server IP Address

FTP Port (Default:21)

Login ID

Password

Remote Directory

Polling Interval min. Enable

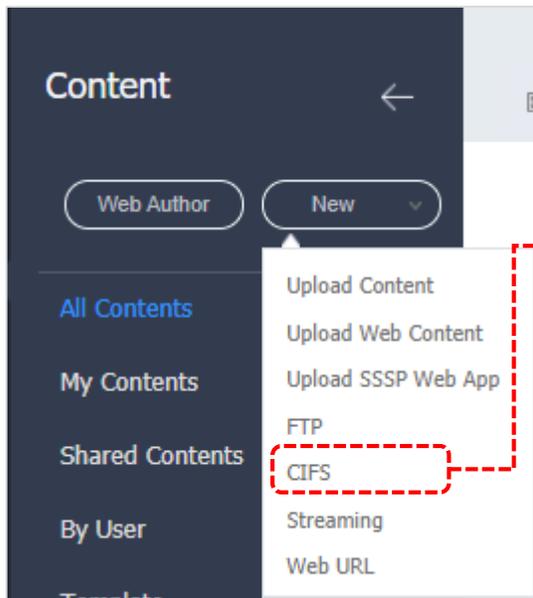
Retry Login Time(s) Limit attempts

If a file name contains special characters, such as << A >>, it will be excluded from the download.

Content Name	Enter the FTP content file name.
FTP Server IP Address	Enter the IP address or host name of the FTP server.
FTP Port	Enter the port number of the FTP server.
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.
Retry Login	Set the desired retry interval for login fails.

4.2 Content Upload – New: CIFS

- ✓ Add content files saved on a computer in a remote location. (Via CIFS)
 - After a content file is added from a remote location, MagicINFO Server communicates with the source computer regularly to update the content file.



Add CIFS Content

Content Name

CIFS Server IP Address

Login ID

Password

Remote Directory

Polling Interval min. Enable

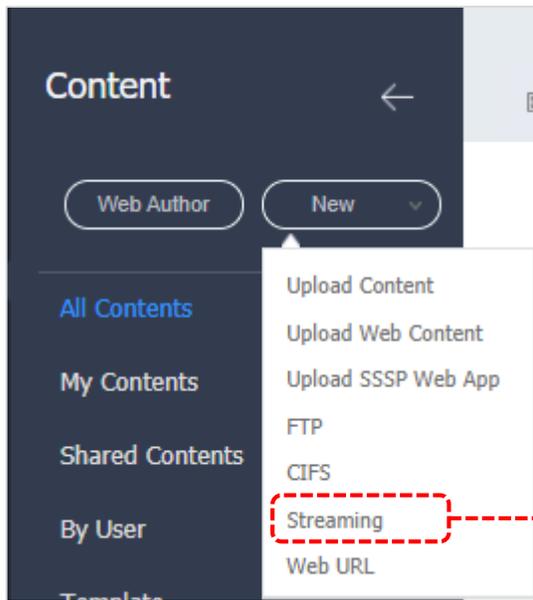
Retry Login Time(s) Limit attempts

If a file name contains special characters, such as << A >>, it will be excluded from the download.

Content Name	Enter the CIFS content file name.
CIFS Server IP Address	Enter the IP address or 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.
Retry Login	Set the desired retry interval for login fails.

4.2 Content Upload – New: Streaming

- ✓ Register details of the content you want to stream. This allows your LFD device to connect directly to the URL and play the content.
 - Available Protocols: MMS, RTP, HLS, HTTP



Streaming

Content Name

Address

1 : MMS, RTP, RTSP, HTTP

59 57 56 55 54 53 : MMS, RTP, HLS, HTTP

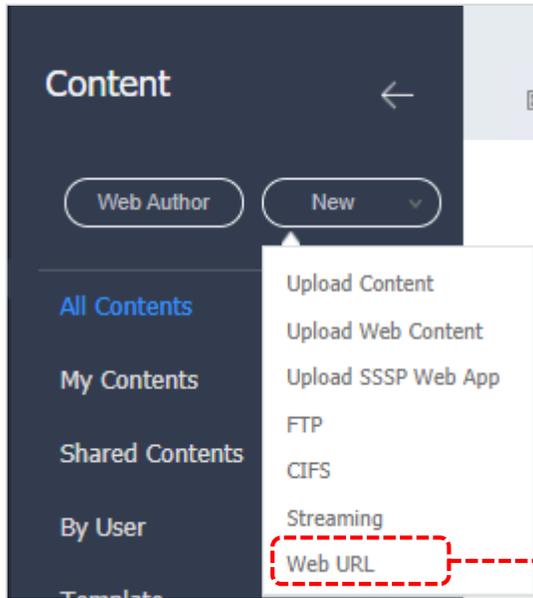
If you use streaming protocols not supported by your device, content may not play properly.

Save Cancel

Content Name	Enter the name of the streaming content.
Address	Enter the server protocol and URL where the content is registered.

4.2 Content Upload – New: Web URL

✓ The website URL can be registered as content.



A dialog box titled 'Add Web URL' with a close button (X) in the top right corner. It contains four input fields: 'Content Name' with the value 'Web_Test', 'Supported Devices' with icons for 'S6' and 'W', 'Address' with the value 'http://www.google.com', and 'Refresh Interval' with the value '23:59:59'. At the bottom right, there are two buttons: 'Save' and 'Cancel'. The 'Save' button is circled with a yellow dashed line, and a yellow dashed arrow points from it to the 'Web_Test' entry in the table below.

Content Name	Enter the URL content name.
Address	Enter the web URL

Content	Content Name	Details	Supported Devices
	Web_Test	URL 6 KB	 

4.3 DataLINK Server - External Data

✓ Register external data using DataLINK Server

1 Add Edit Delete

Data Register

3 Next Cancel

2 Confirm

Service Registration > Default Excel Module

* Service Name: YPUMPIN_DEMO

* Collection Cycle: 00 : 01 : 00
ex) HH:MM:SS

Service Description: [Empty]

* Document Format: Excel

* Network IP Address: [Redacted]

Login ID: [Redacted]

Login Password: [Redacted]

* File Location: Share/Coffee_shop.xls
ex) foldername/filename, Shared/Sheet1.xls, Shared/xls/Sheet1.xls

File has been loaded successfully.

Magician Premium DataLink

Data Monitoring Setting administrator Logout

Data Source

- View All
- Default DB Module
- Default Excel Module
- Default Json Module
- Default XML Module
- Default Exchange Module
- Default Outlook Module
- Default Google Module
- Default Web Module

Data View

Data Preview > YPUMPIN_DEMO

Back Finish Cancel

Table	First row is header	Column > Sheet1	Column Name	Column Type
Sheet1	false	<input checked="" type="checkbox"/>	A	Text
		<input checked="" type="checkbox"/>	B	Text
		<input checked="" type="checkbox"/>	C	Text
		<input checked="" type="checkbox"/>	D	Text

Data > Sheet1

No	A	B	C	D
		Store	Name	Price
1		A_Coffee	Americano	5
2		A_Coffee	Green Tea	6
3		A_Coffee	Waffle	10
4		A_Coffee	Ice cream	6
5		B_Coffee	Americano	3
6		B_Coffee	Chocolate Cake	8
7		B_Coffee	Lemon Tea	4
8		C_Coffee	Americano	5
9		C_Coffee	Mango Juice	7

Magician Premium DataLink V8.0 Build MagicianFO v8 DataLink 20.1000.3 Copyright © 2012 - 2018 Samsung Electronic Co., Ltd

Service List > Default Excel Module

Add Edit Delete

No.	Service Name	Status	Command	Period	Last Modified Date
1	YPUMPIN_DEMO	■	Start	00:01:00	2021-08-02 16:48:05

✓ Service Start
• Click Start Button

Service List > Default Excel Module

Add Edit Delete

No.	Service Name	Status	Command	Period	Last Modified Date
1	YPUMPIN_DEMO	▶	Stop	00:01:00	2021-08-02 16:49:57

✓ Service Edit, Stop
• Click Stop Button

*** Share/Coffee_shop.xls**

Share Properties

General Sharing Security

Share

Network File and Folder

Share Shared

Network Path: \\WWWYOUSIMJEONGD

Share...

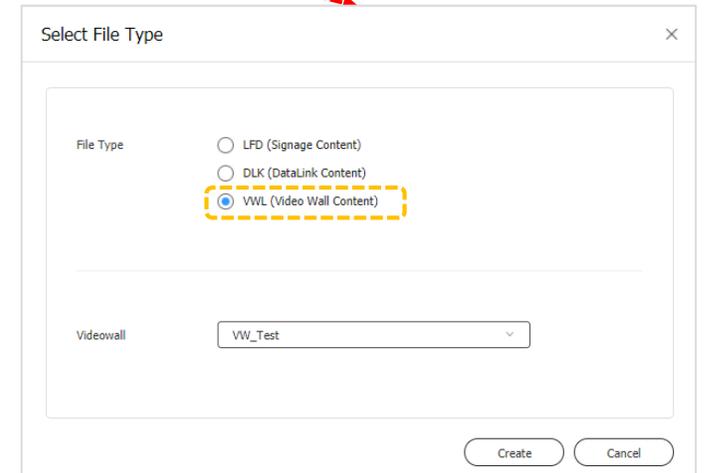
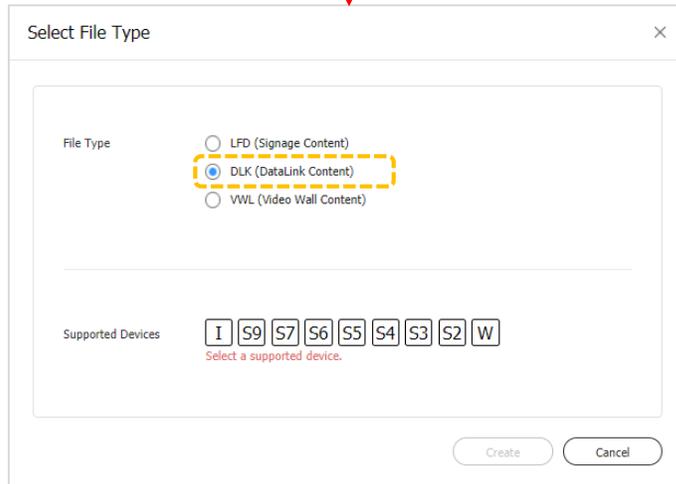
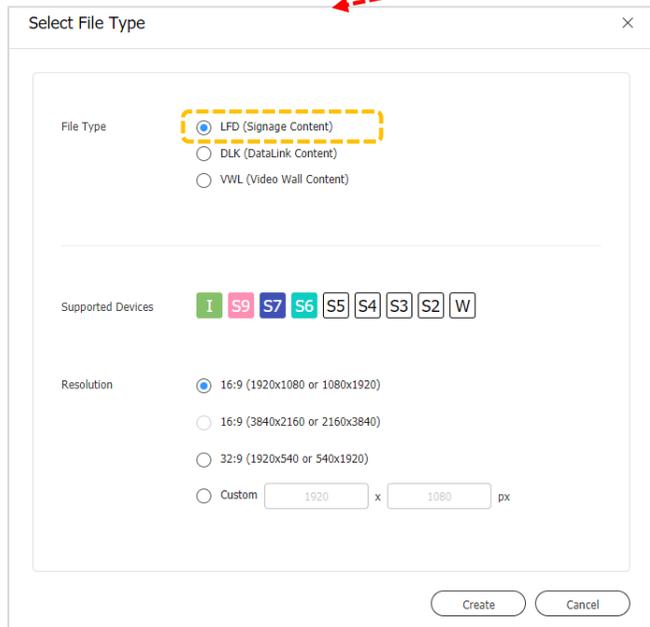
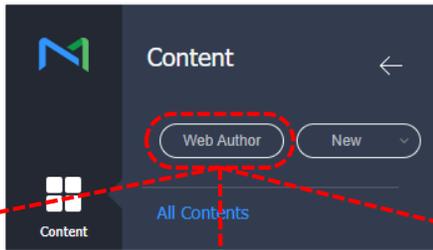
Share View

> Share

Name
Coffee_shop.xls

4.4 Web Author

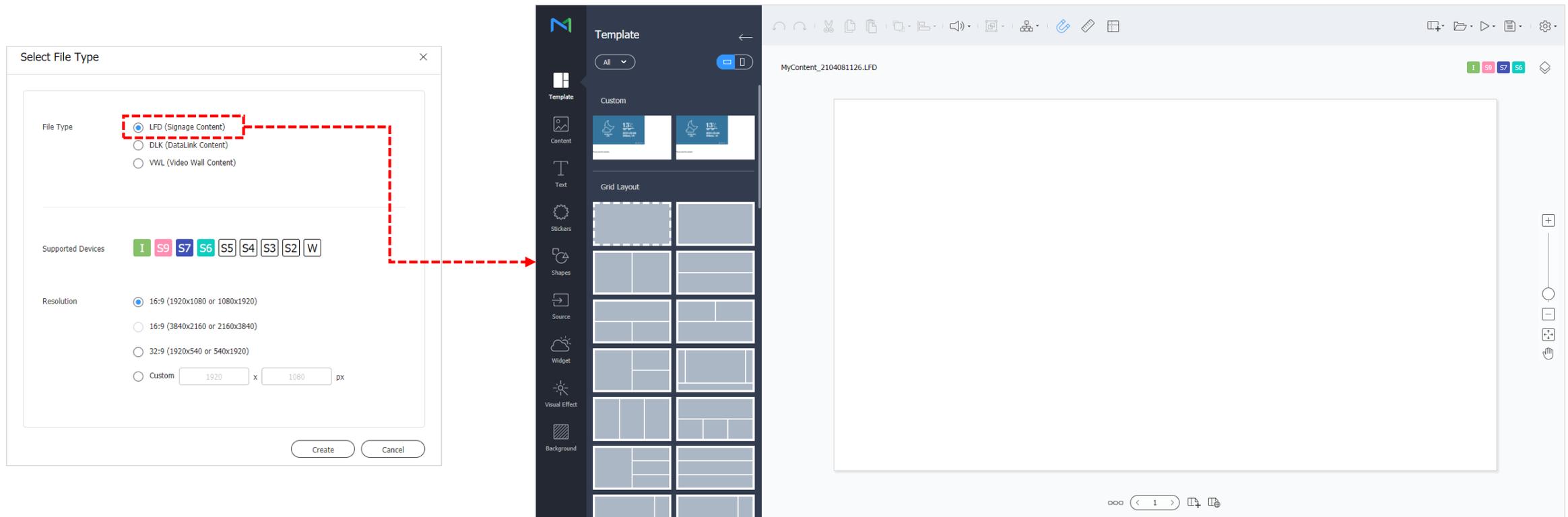
- ✓ The supported functions vary depending on the selected File Type and Supported Devices.



4.4 Web Author – LFD Content

✓ Create LFD Content using the Template provided

- The supported functions vary depending on the selected File Type and Supported Devices.



4.4 Web Author – DLK Content

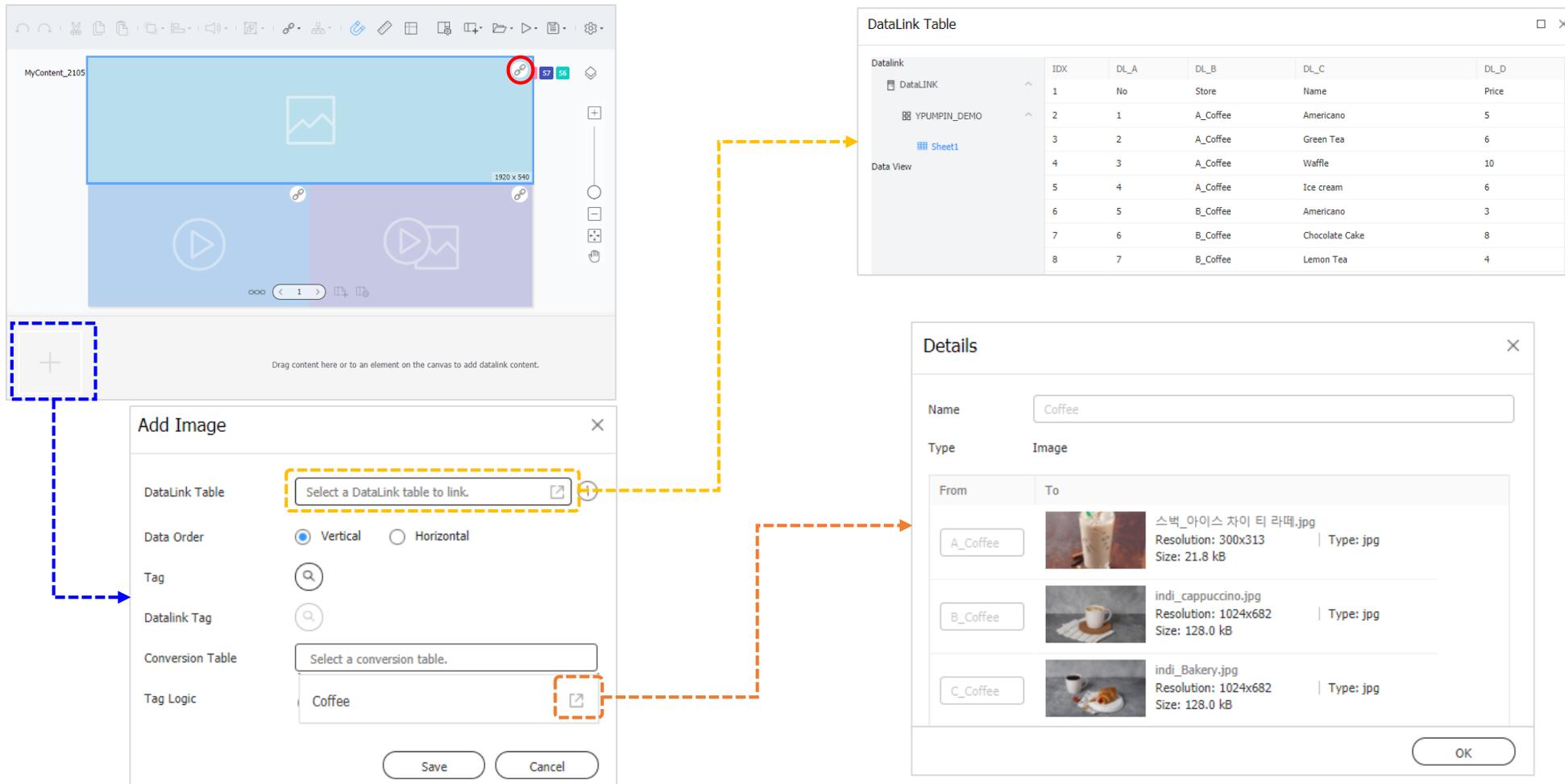
- ✓ Create content using data stored in DataLINK Server

The screenshot illustrates the process of creating DLK content in the Web Author. On the left, a 'Select File Type' dialog box is open, showing three options: 'LFD (Signage Content)', 'DLK (DataLink Content)' (which is selected and highlighted with a red dashed box), and 'VWL (Video Wall Content)'. Below the options, there are 'Supported Devices' listed as 'I', 'S9', 'S7', 'S6', 'S5', 'S4', 'S3', 'S2', and 'W', with a note to 'Select a supported device.' and 'Create' and 'Cancel' buttons. A red dashed arrow points from the 'DLK (DataLink Content)' option to the 'Create DataLink Template' button in the 'Template' panel. The 'Template' panel is open, showing a grid of templates. The 'Create DataLink Template' button is highlighted with a yellow dashed box. A yellow arrow points from this button to the 'DLK Content' area. The 'DLK Content' area shows a yellow callout box with the text 'DLK Content' and a 'Create DataLink Template' button. Below it, a yellow callout box with the text 'LFT Content' is visible. The main content area shows a grid of content blocks with 'Drag content here' text.

- If there is no DataLINK Template, create LFT content using the 'Create DataLINK Template' above.

4.4 Web Author – DLK Content

- ✓ The contents that can be used for DataLINK Data are marked with 
- Dynamic content creation is possible using DataLINK Table and Conversion Table.



The screenshot illustrates the workflow for adding dynamic content to a web page. It shows three main components:

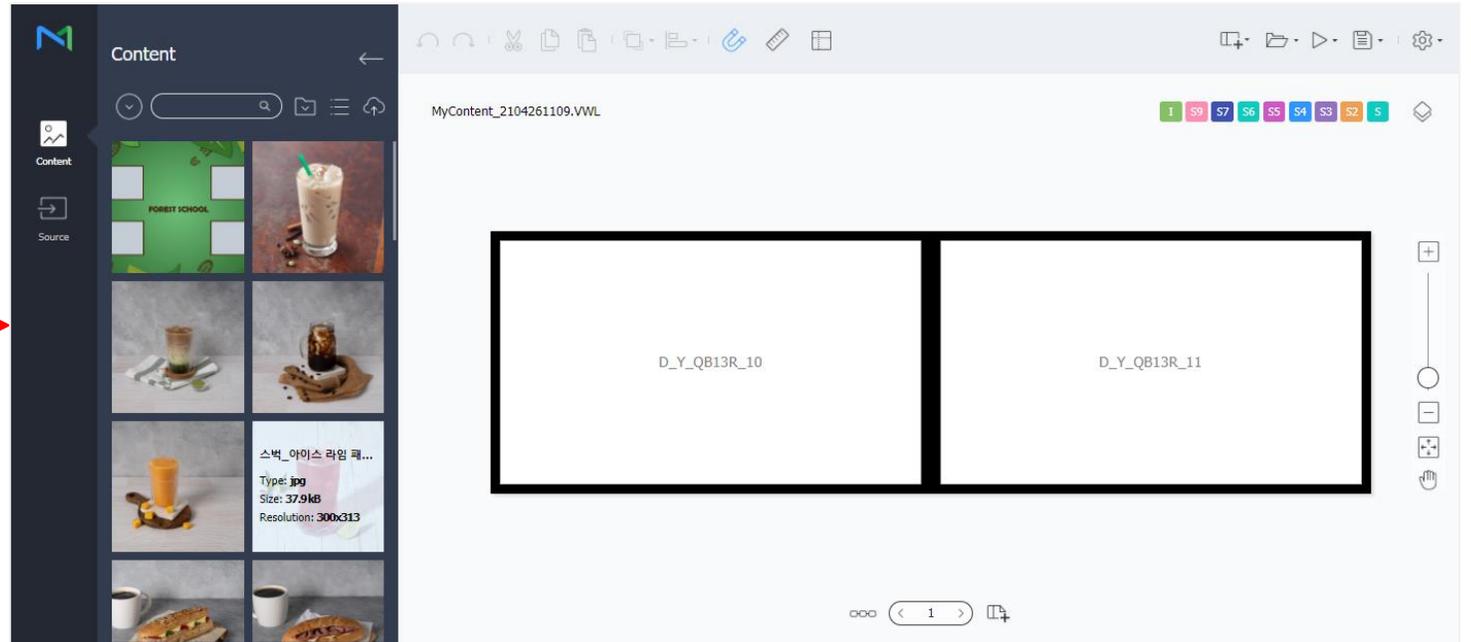
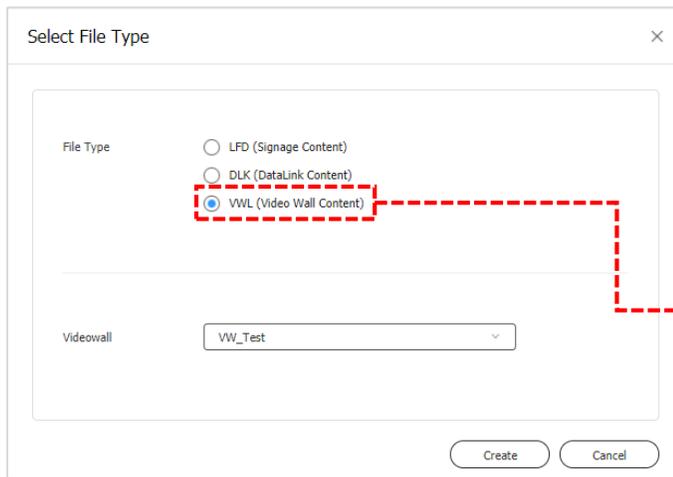
- Main Canvas:** A workspace for editing content. A red circle highlights a DataLINK icon on a content element. A blue dashed box highlights the '+' button in the bottom-left corner, which is used to add new content.
- Add Image Dialog:** A dialog box for selecting and configuring content. It includes fields for 'DataLink Table', 'Data Order', 'Tag', 'Datalink Tag', 'Conversion Table', and 'Tag Logic'. A yellow dashed box highlights the 'Select a DataLink table to link.' field, and an orange dashed box highlights the 'Tag Logic' field.
- DataLink Table:** A table showing the mapping between DataLINK indices and content. The table is as follows:

Datalink	Idx	DL_A	DL_B	DL_C	DL_D
DataLINK					
YPUMPIN_DEMO					
Sheet1					
Data View					
	1	No	Store	Name	Price
	2	1	A_Coffee	Americano	5
	3	2	A_Coffee	Green Tea	6
	4	3	A_Coffee	Waffle	10
	5	4	A_Coffee	Ice cream	6
	6	5	B_Coffee	Americano	3
	7	6	B_Coffee	Chocolate Cake	8
	8	7	B_Coffee	Lemon Tea	4
- Details Dialog:** A dialog box showing the details of the selected content. It includes fields for 'Name' (Coffee), 'Type' (Image), and a list of content items with their respective 'From' and 'To' values. The items are:

From	To
A_Coffee	스벅_아이스 차이 티 라떼.jpg Resolution: 300x313 Type: jpg Size: 21.8 kB
B_Coffee	indi_cappuccino.jpg Resolution: 1024x682 Type: jpg Size: 128.0 kB
C_Coffee	indi_Bakery.jpg Resolution: 1024x682 Type: jpg Size: 128.0 kB

4.4 Web Author – VWL Content

- ✓ VWL Content can be created with VideoWall Group





05 Guide to Device Management

5.1 Device Approve

✓ Unapproved devices can be found in the Unapproved Menu

The process is shown in four steps:

- 1**: In the left sidebar, the **Unapproved** menu item is highlighted with a dashed yellow box.
- 2**: In the main toolbar, the **Approve** button is highlighted with a red dashed box.
- 3**: In the **Approve Device** dialog box, the **Device Group** dropdown is set to **Demo_04**, which is highlighted with a blue dashed box.
- 4**: In the **Unapproved** menu, the device **D_YPUMPIN** is highlighted with a dashed yellow box.

✓ You can find approved devices in the selected device group

5.2 Device Move/Delete

✓ You can delete the device or move it to another Group

✓ Devices are sent to selected Group (Excluding VideoWall groups)

The workflow is shown in several stages:

- Initial State:** The 'Device' management screen shows a list of devices grouped by 'YPUMPIN'. The 'Delete' button is highlighted with a green dashed box.
- Select Group Dialog:** A 'Select Group' dialog box is shown, listing available groups: DefaultOrg, EBT, KIOSK, and YPUMPIN. The 'YPUMPIN' group is expanded, showing sub-groups 'default' and 'DEMO'. The 'default' sub-group is selected, and the 'Save' button is highlighted with a yellow dashed box.
- Device Detail View:** The 'Device' detail view for 'D_YPUMPIN' is shown, with the 'Delete' button highlighted.
- Delete Confirmation:** A 'Delete Device(s)' dialog box asks 'Are you sure you want to delete the selected device(s)?'. The 'Close' button is highlighted with a green dashed box.
- Deleted State:** The 'Device' management screen shows the 'Unapproved' menu highlighted with a green dashed box, indicating that deleted devices return to this state.
- Unapproved State:** The 'Device' management screen shows the 'Unapproved' menu with a count of 1, indicating that the deleted device has returned to this state.

✓ Deleted devices return to Unapproved Menu

5.3 Device Management - Device Status and Edit

✓ Configurable for each device

The image displays a multi-part interface for device management. On the left is a sidebar with navigation options: Content, Playlist, RuleSet, Schedule, and Device. The main area shows a 'Device' list with columns for Device Name and MAC Address. A device named 'D_YPUMPIN' is highlighted. A detailed view of this device is shown below, featuring a live video feed of a screen with a blue 'M' logo. A 'Device Info.' tab is active, displaying various system and device details. A 'Screen Capture' checkbox is visible. At the bottom of this view are buttons for 'Memo', 'Edit', 'Remote Control', and 'Close'. To the right, an 'Edit Device' dialog is open, showing tabs for 'Information', 'Time', 'Setup', 'Display Control', and 'Security'. The 'Information' tab is selected, showing fields for Device Name, MAC Address, IP, Device Model Name, Location, and Map Location. Below these are 'Version' details including Player Version, Firmware Version, and OS Image Version. At the bottom of the dialog are 'Current status', 'Save', and 'Close' buttons. Green dashed lines connect the 'Edit' button in the device list to the 'Edit Device' dialog. Yellow dashed lines connect the 'Device Info.' tab in the detailed view to the 'Edit Device' dialog. Orange dashed lines highlight the 'Device Info.' tab and the 'Screen Capture' checkbox in the detailed view.

Device List:

Device Name	MAC Address
D_YPUMPIN	24-fc-e5-4e-71-40

Device Info. Details:

Property	Value
Device Type	S Player 6
Preset	-
Device Serial	357QH3AM300028W
Group	YPUMPIN>DEMO>Demo_04
Player Version	MagicInfo_SPlayer_Tizen_4.0
MAC Address	24-fc-e5-4e-71-40
Last Check Time	2021-08-23 15:00:33
Firmware Version	T-KTM2ELAKUC-2250.1 T-KTM2ELAKUS-1049 T-NVT18SWWS-1006
Available Capacity	Internal: 2.93 GB
IP	10.88.67.170

Edit Device Dialog (D_YPUMPIN):

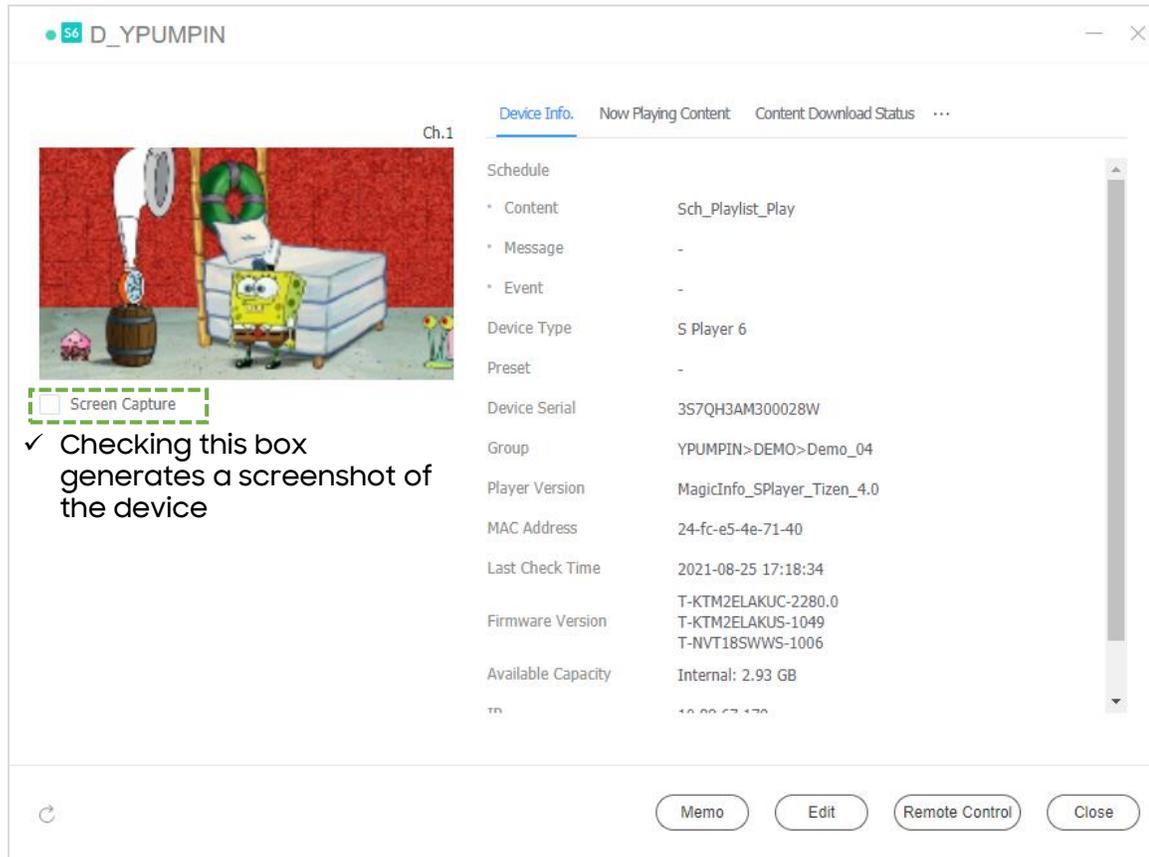
Field	Value
Device Name	D_YPUMPIN
MAC Address	24-fc-e5-4e-71-40
IP	10.88.67.179
Device Model Name	QM43R
Location	
Map Location	

Version Information:

Property	Value
Player Version	MagicInfo_SPlayer_Tizen_4.0
Firmware Version	T-KTM2ELAKUC-2250.1 T-KTM2ELAKUS-1049 T-NVT18SWWS-1006
OS Image Version	Linux;4.1.10;

5.3 Device Management – Status: Device Info.

✓ Check the device Information



The screenshot shows a window titled "S6 D_YPUMPIN" with a "Device Info." tab selected. On the left, there is a video player showing a cartoon scene with a character resembling SpongeBob. Below the video, a "Screen Capture" checkbox is present and is currently unchecked. To the right of the video is a list of device details. At the bottom of the window are buttons for "Memo", "Edit", "Remote Control", and "Close".

Ch.1

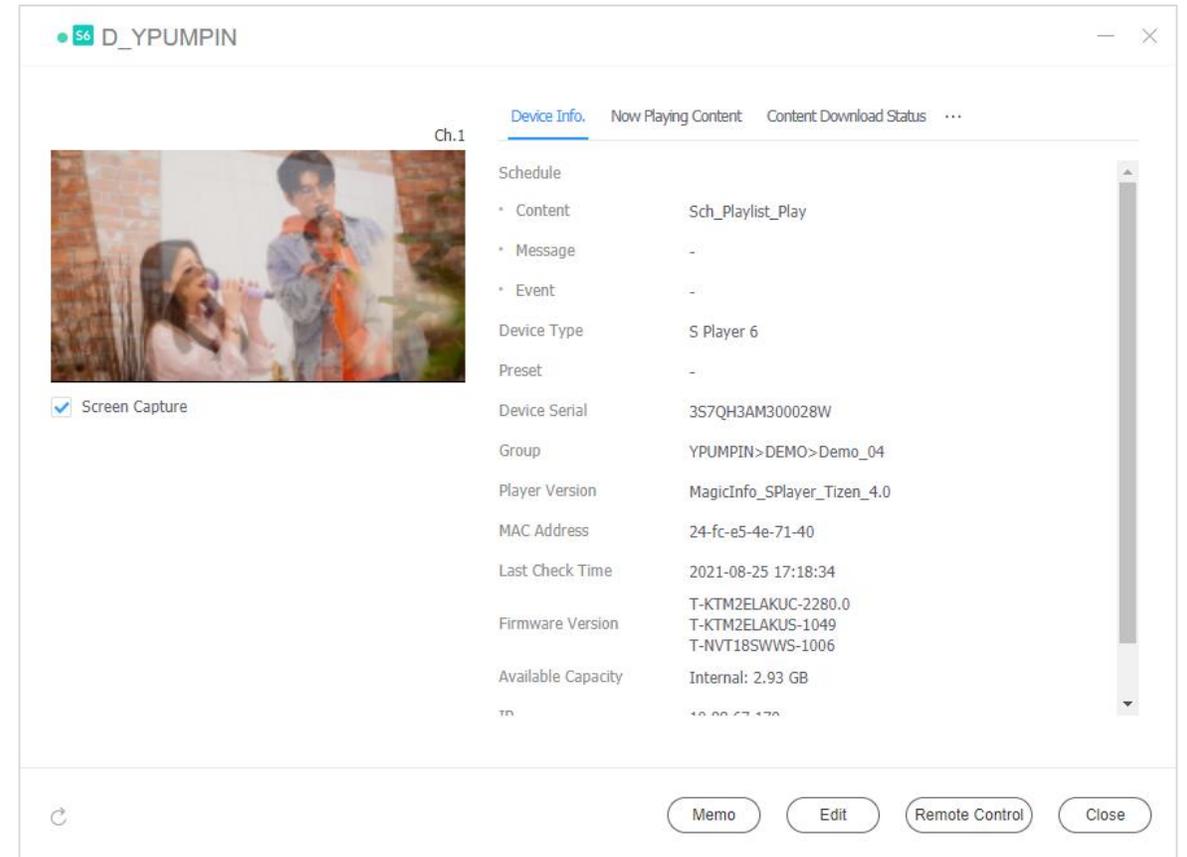
Device Info. Now Playing Content Content Download Status ...

Screen Capture

✓ Checking this box generates a screenshot of the device

Schedule	
• Content	Sch_Playlist_Play
• Message	-
• Event	-
Device Type	S Player 6
Preset	-
Device Serial	3S7QH3AM300028W
Group	YPUMPIN>DEMO>Demo_04
Player Version	MagicInfo_SPlayer_Tizen_4.0
MAC Address	24-fc-e5-4e-71-40
Last Check Time	2021-08-25 17:18:34
Firmware Version	T-KTM2ELAKUC-2280.0 T-KTM2ELAKUS-1049 T-NVT18SWWS-1006
Available Capacity	Internal: 2.93 GB
TS	10.00.07.170

Memo Edit Remote Control Close



The screenshot shows the same "S6 D_YPUMPIN" window, but the video player now shows a photograph of a man and a woman. The "Screen Capture" checkbox is now checked. The device information table and bottom buttons remain the same as in the previous screenshot.

Ch.1

Device Info. Now Playing Content Content Download Status ...

Screen Capture

Schedule	
• Content	Sch_Playlist_Play
• Message	-
• Event	-
Device Type	S Player 6
Preset	-
Device Serial	3S7QH3AM300028W
Group	YPUMPIN>DEMO>Demo_04
Player Version	MagicInfo_SPlayer_Tizen_4.0
MAC Address	24-fc-e5-4e-71-40
Last Check Time	2021-08-25 17:18:34
Firmware Version	T-KTM2ELAKUC-2280.0 T-KTM2ELAKUS-1049 T-NVT18SWWS-1006
Available Capacity	Internal: 2.93 GB
TS	10.00.07.170

Memo Edit Remote Control Close

5.3 Device Management - Status: Now Playing Content

✓ Check currently playing content information

Frame Name	Schedule Name	Content Name	Type	Last Modification
frame 0	Sch_Playlist_Play	집게사장 - 파올리기송 (분홍밤)	MOVIE	about 6 hours ago

✓ You can check detail information of contents which is included Schedule

Channel 1

2021.08

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Schedule Name: Sch_Playlist_Play

Number of Channels: 1

Schedule Type: General

Supported Devices: S6

Date Modified: about 14 minutes ago (2021-08-25 17:08)

Schedule Group: default

Device Group: Demo_04

Publish Status: 100% (1/1)

Description:

✓ It is possible to check detailed information of Schedule

집게사장 - 파올리기송 (분홍밤)

Details

Content Name: 집게사장 - 파올리기송 (분홍밤)

Content Type: MOVIE

Supported Devices: S6

Resolution: 1920 x 1080

Playing Time: 00:01:21

Date Modified: 2021-08-25 10:26:59

Version: 1

Creator: admin

Folder: default

Private: Yes No

Expiration Date: Enable 2999-12-31

Expired content will be removed from playlists and schedules.

5.3 Device Management – Status: Content Download Status

✓ Check the status of content download on the device.

Ch.1

Device Info. Now Playing Content Content Download Status ...

Content	File Size	Status
No data		

Event Schedule

Content	File Size	Status
No data		

Screen Capture

Memo Edit Remote Control Close

< Before publishing Schedule >

Ch.1

Device Info. Now Playing Content Content Download Status ...

Content	File Size	Status
No data		
27001-paris-1920x1080-world-wallpaper	720 KB	100 %
4K Singapore at Night_Ultra HD_resized	445 KB	100 %
pc_10_october	684 KB	100 %
pc_11_november	633 KB	100 %

Event Schedule

Content	File Size	Status
No data		

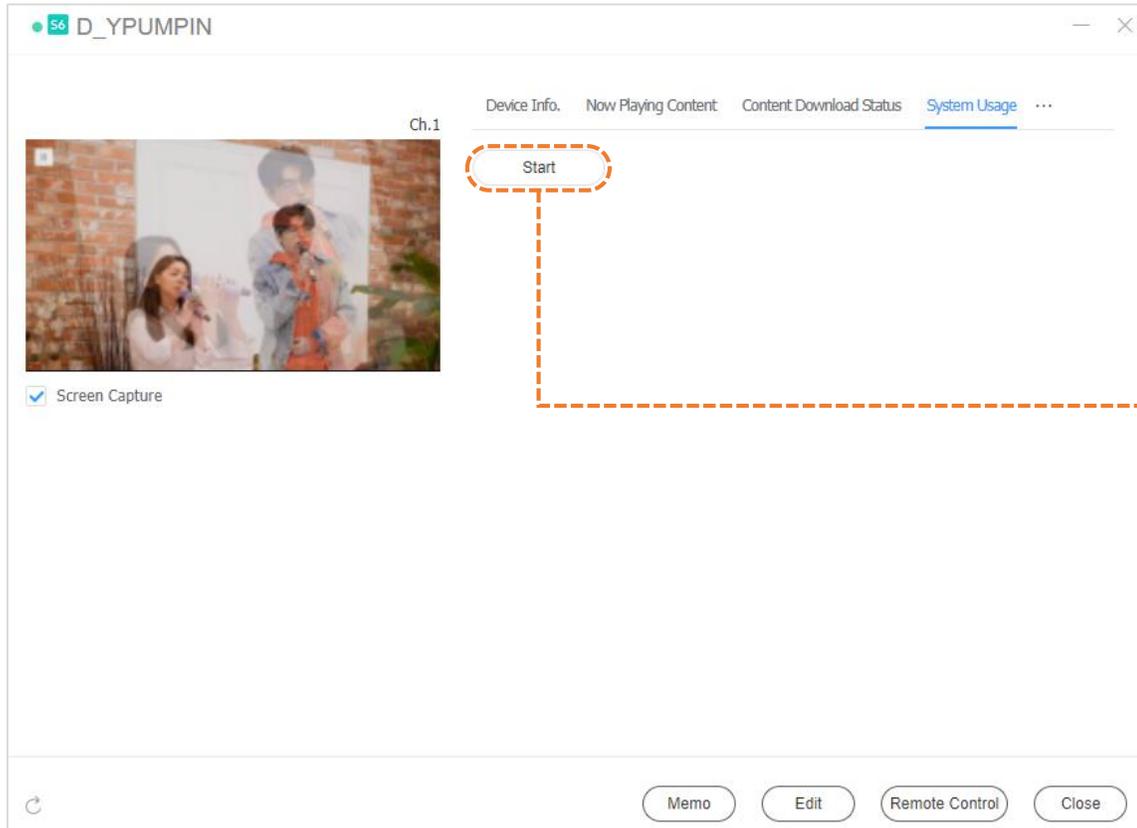
Screen Capture

Memo Edit Remote Control Close

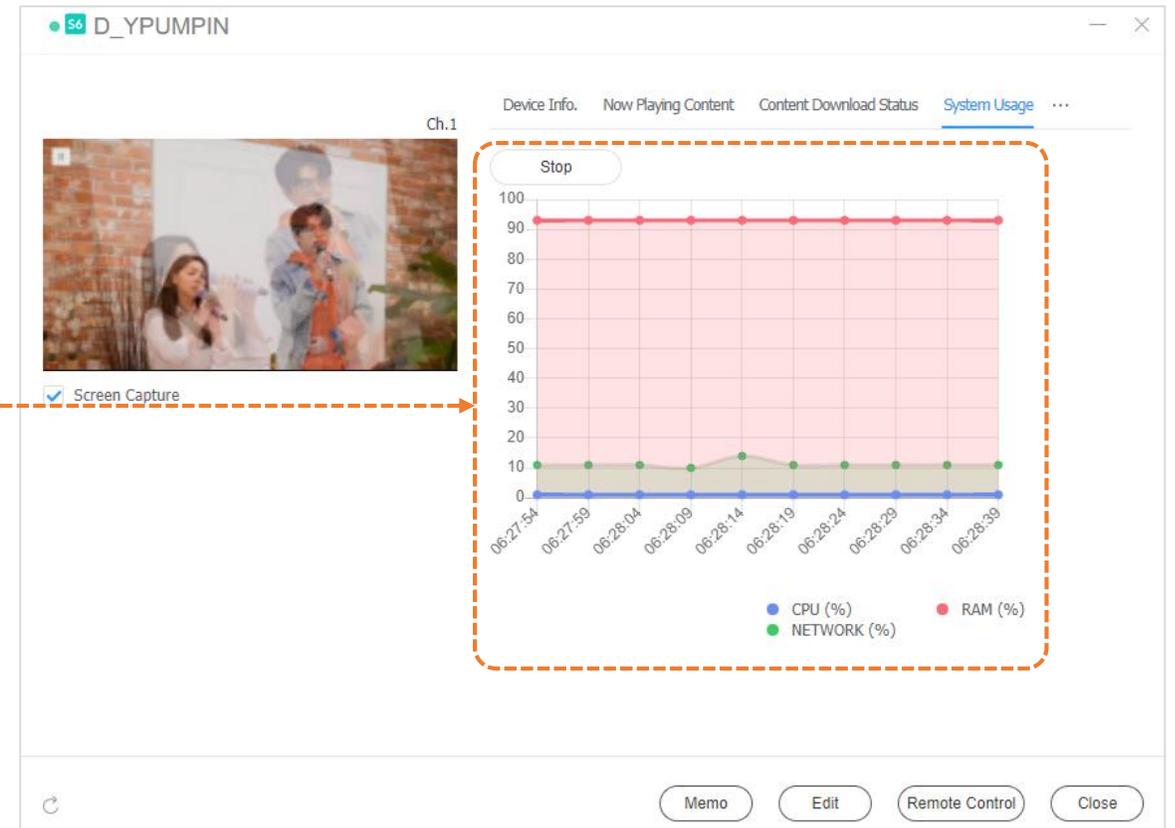
< After publishing Schedule >

5.3 Device Management - Status: System Usage

- ✓ View the CPU, RAM and network usage of the device in a graph.



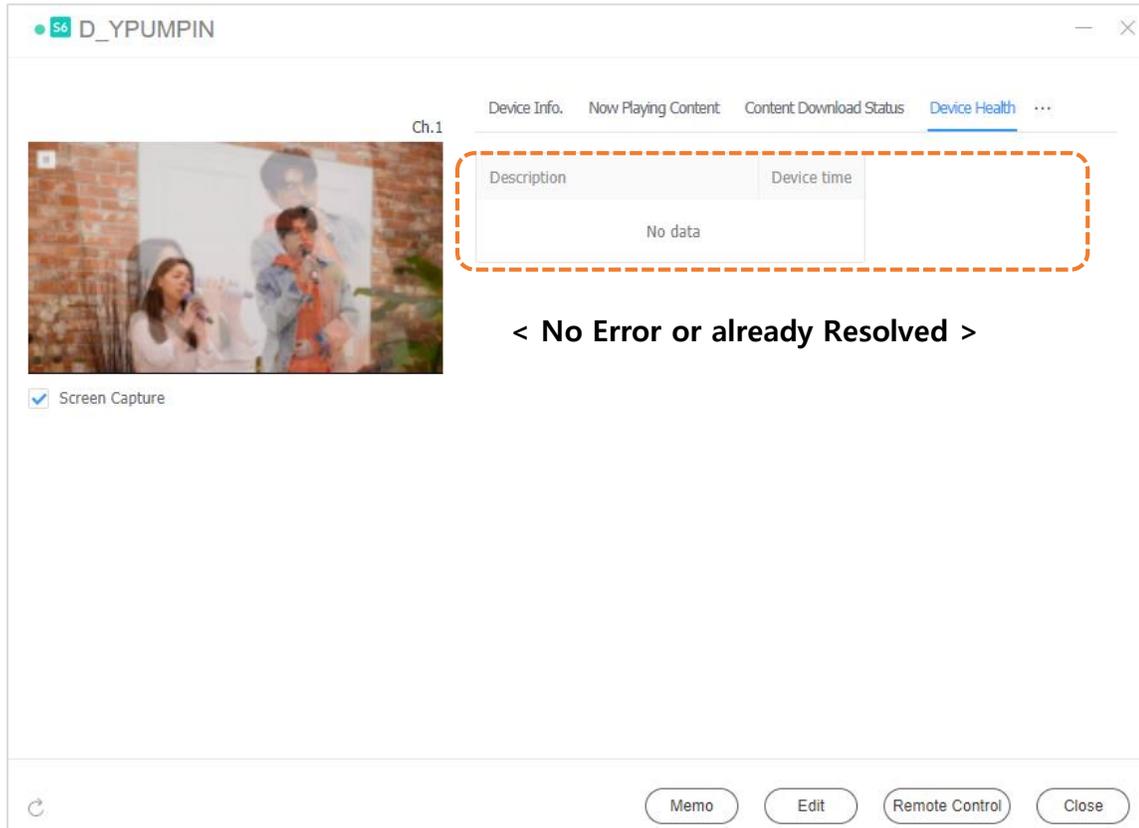
< Before Starting >



< After Starting >

5.3 Device Management - Status: Device Health

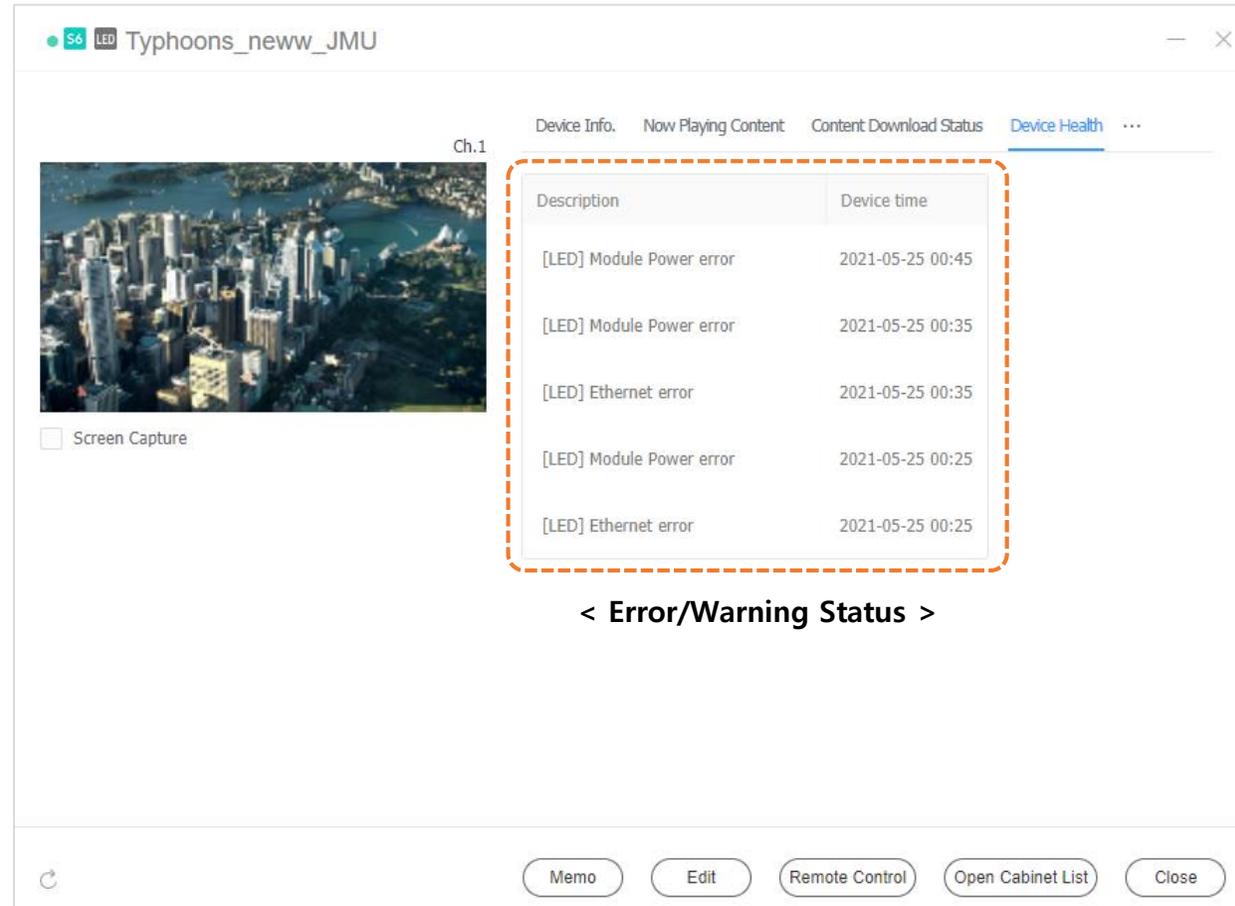
✓ View whether the device has any error or warning message



The screenshot shows a window titled "D_YPUMPIN" with a video feed on the left and a "Device Health" tab selected. The table below the video feed is empty, indicating no errors or warnings.

Description	Device time
No data	

< No Error or already Resolved >



The screenshot shows a window titled "Typhoons_neww_JMU" with a video feed on the left and a "Device Health" tab selected. The table below the video feed lists several error messages.

Description	Device time
[LED] Module Power error	2021-05-25 00:45
[LED] Module Power error	2021-05-25 00:35
[LED] Ethernet error	2021-05-25 00:35
[LED] Module Power error	2021-05-25 00:25
[LED] Ethernet error	2021-05-25 00:25

< Error/Warning Status >

5.3 Device Management - Status: Tag

✓ You can see the device tags

Media Tag

Tag Name	Description
YPUMPIN_S_Player	S Player Vs. W Player

Variable Tag

Tag Name	Tag Value
Insight_Work	Video

✓ Screen Capture

✓ Checkboxes activated for the already selected tab

Media Tag Settings

*Organization All

Tag Name	Tag Type	Description	View
<input type="checkbox"/> Image_Type	Number	0: BG, 1: People, 2: Food	
<input type="checkbox"/> Insight_Work	Text	For Insight	
<input type="checkbox"/> Video_Type	Number	0:MV, 1:AD, 9:Etc	
<input checked="" type="checkbox"/> YPUMPIN_S_Player	True or False	S Player Vs. W Player	

Add Tag ✓ Click 'Add Tag' to add a new tag

Apply Cancel

Variable Tag Settings

*Organization All

Tag Name	Tag Value	Description	View
<input checked="" type="checkbox"/> Insight_Work	Video	For Insight	

Image
 Video
 LFD
 W Player
 S Player

Add Tag ✓ Click 'Add Tag' to add a new tag

Apply Cancel

5.3 Device Management - Status: Log Data

- ✓ Collect device event logs
- ✓ Collected logs can be downloaded onto the user computer.

The screenshot shows a device management window for 'D_YPUMPIN'. At the top, there are tabs: 'Device Info.', 'Now Playing Content', 'Content Download Status', and 'Log Data'. The 'Log Data' tab is highlighted with a red dashed box and has a red arrow pointing to it from the right. Below the tabs, there is a video player showing a scene with two people. To the right of the video, there are two red warning icons with text: 'Server performance may be affected when using this function, due to high server demand.' and 'Available Capacity : 157.2 GB'. Below this is a 'Collect Log' button. Underneath is a 'Setting' section with a 'Log Script' input field and a 'Log Collection Period' set to '1' Hours. At the bottom of the settings is a 'Collected Logs' section with 'Download' and 'Empty Storage' buttons. Below that is a table with columns for 'Last Modified Date', 'File Name', and 'Size', which is currently empty. At the very bottom of the window are buttons for 'Memo', 'Edit', 'Remote Control', and 'Close'.

The screenshot shows the 'Setting' menu on the left and the 'Log Management' section on the right. The 'Setting' menu includes options like 'My Account', 'My Information', 'Withdraw Membership', 'Server management', 'Server Settings', 'Device Summary', 'System Info.', 'Service History', 'External Server Management', 'License Management', 'Tag Management', 'Insight Index Management', and 'Category Management'. The 'Log Management' section has several settings: 'Log Level Setting' (radio buttons for ERROR, WARN, INFO), 'File Size' (300 MB, range 100-500 MB), 'File Count' (20, range 1-100), and a 'Download' button. The 'Player Log Collection' setting is checked and labeled 'Enable', and this entire section is highlighted with a red dashed box. Below this, there is a 'MAC Address' field showing 'No data' and a 'Stop' button. A red warning message at the bottom right reads: 'Server performance may be affected when using this function, due to high server demand.'

- ✓ The Player Log Data 'tab' can be viewed only when Player Log Collection is enabled.

5.3 Device Management – Edit: Information

✓ View and modify information details of devices registered onto MagicINFO Server.

Edit Device ● 56 D_YPUMPIN
✕

Information | Time | Setup | Display Control | Security

Basic Information

Device Name:

MAC Address: 24-fc-e5-4e-71-40

IP: 10.88.67.179

Device Model Name: QM43R

Location:

Map Location:

Version

Player Version: MagicInfo_SPlayer_Tizen_4.0

Firmware Version: T-KTM2ELAKUC-2250.1
T-KTM2ELAKUS-1049
T-NVT18SWS-1006

OS Image Version: Linux;4.1.10;

Current status
Save
Close

Basic Information	<ul style="list-style-type: none"> • Device Name: Change a device name. • MAC Address: View the MAC address for the device. • IP: view the IP address. • Device Model Name: Edit the device model name. • Location: Edit the device location details.
Version	<ul style="list-style-type: none"> • Firmware Version: View the device's firmware version. • OS Image Version: View the device's OS image version. • Player Version: View the device's client program version.

Edit Device ● 56 D_YPUMPIN
✕

Information | Time | Setup | Display Control | Security

System

CPU: ARMv7 Processor rev 0 (v7l)

Memory Size: 1685880

Storage Size: 4764917

Video Card: Unknown

Video Memory: 200

Video Driver: Unknown

Storage Size

Used Storage Space: Internal: 1.51 GB

Available Capacity: Internal: 2.93 GB

Empty Storage

ETC

Approval Date: 2021-08-23 14:50

Screen Size: 43

Resolution: 3840*2160

Code: 105

Serial Key: 357QH3AM300028W

Current status
Save
Close

System	<ul style="list-style-type: none"> • CPU: View the device CPU information. • Memory Size: View the device memory capacity. • Storage Size: View the storage size of a device. • Video Card: View the device's graphics card information. • Video Memory: View the device's graphics memory capacity. • Video Driver: View the device graphics driver information.
Storage Size	<ul style="list-style-type: none"> • Disk Space Usage: View disk space in use. • Available Capacity: View available disk space.
ETC	<ul style="list-style-type: none"> • Approval Date: View the approved date for the device. • Screen Size: View the device screen size. • Resolution: View the device screen resolution. • Code: View the device code. • Serial Key: View the device's serial key.

5.3 Device Management – Edit: Time

✓ Set the current time of the device and schedule ON/OFF Timer

✓ Click Timer 1 ~ Timer 7 (Orange Box) to set Timer On/Off

Timer	On Time	Off Time	Volume	Source
Timer1	-	-	-	-
Timer2	-	-	-	-
Timer3	-	-	-	-
Timer4	-	-	-	-
Timer5	-	-	-	-
Timer6	-	-	-	-
Timer7	-	-	-	-

Timer1 06:00 AM Once 12:00 AM Once 20 HDMI1

On Timer Use Do not use

Day Sun Mon Tue Wed Thu Fri Sat

On Time 06:00 AM

Volume 20

Source HDMI1

Holiday Apply

Off Timer Use Do not use

Day Sun Mon Tue Wed Thu Fri Sat

Off Time 12:00 AM

Holiday Apply

Clock Set	<ul style="list-style-type: none"> •Date: Set current date for the device. •Time: Set current time for the device.
On/Off Timer	Set the timer to automatically turn the device on or off.
Holiday Management	Holiday: Set holidays to prevent the device from operating on specified days.
On Timer	<p>Set the time to turn on the device. To use the timer, select Use.</p> <ul style="list-style-type: none"> •Day: Select day(s) of the week to repeat the timer. •On Time: Set the time to turn on the device. •Volume: Set the device volume to apply when it turns on. •Input Source: Select an input source to apply when the device turns on. •Holiday: Specify whether to use holidays.
Off Timer	<p>Set the time to automatically turn off the device. To use the timer, select Use.</p> <ul style="list-style-type: none"> •Day: Select day(s) of the week to repeat the timer. •Off Time: Set the time to turn off the device. •Holiday: Specify whether to use holidays.

5.3 Device Management - Edit: Setup (1/2)

✓ Change advanced settings for device management

Time Zone	<ul style="list-style-type: none">• Time Zone: Select a time zone for each city.• Daylight Saving Time: Turn daylight savings time mode on or off. To use daylight savings time mode, configure start and end settings.
Server Network Settings	<ul style="list-style-type: none">• MagicINFO Sever URL: Set MagicINFO Server address.• Proxy Setting: Enable or disable the proxy server. Edit the settings if required.• FTP Connection Mode: Configure the FTP connection mode.• Connection Time Limit: Set timeout options to disconnect from MagicINFO Server if communication with the FTP server is not available for a specified period of time.• Network Bandwidth Limit: Limit the bandwidth for the server network to connect.
Smart Feature	<ul style="list-style-type: none">• Smart Download: Turn on or off the Smart Download mode.
Period	<ul style="list-style-type: none">• 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.• PDF Conversion interval: Set the time interval for each device to switch to another page in a distributed PDF document. This option is available when the document contains more than one page.• Office Conversion interval: Set the time interval for each device to switch to another page in a distributed Office document. This option is available when the document contains more than one page.• System Restart Interval: You can set the restart interval for the system. You can configure date and time.

Edit Device • 54 D_YPUMPIN

Information Time **Setup** Display Control Security

Time Zone

Time Zone (GMT+09:00) Seoul

Daylight Saving Time Off On

Server Network Settings

MagicInfo Server URL http://10.88.67.70:7001/MagicInfo

Proxy Setting Do not use Use

FTP Connection Mode Active Passive

Connection Time Limit 5 sec

Network Bandwidth Limit 0 kbps

Content Download Protocol HTTP FTP/HTTP FTP

Smart Feature

Smart Download Off On

Period

Triggering Interval 5 sec

Monitoring Interval 10 min.

Screen Capture Interval 1 min.

PDF Conversion Interval 5 sec

Office Conversion Interval 5 sec

System Restart Interval Sun Mon Tue Wed Thu Fri Sat

04:00

Save Close

5.3 Device Management – Edit: Setup (2/2)

Edit Device 54 D_YPUMPIN

Information Time **Setup** Display Control Security

ETC

Screen Rotation Landscape Portrait

Manage

Proof of Play Management

Valid Period Day

Valid Size MB

Last Check Time 2021-08-23 14:50:02

Refresh Refresh

Content Download Status

Setting True False

Interval

Job Unit % sec

Download Mode Assigned Content Only All

PIN Code

PIN Code

ETC	<ul style="list-style-type: none">• Screen Rotation: Turn on or off device screen rotation mode.
Manage	<p>Proof of Play Management</p> <ul style="list-style-type: none">• Validity Period: Set storage period for playback logs.• Valid Size: Set storage size for playback logs.• Last Check Time: Display the time of last access to playback logs.• Refresh: Update a list of playback records.
Content Download Status	<ul style="list-style-type: none">• Setting: Download content from a download server only.• Interval: Set content downloading intervals.• Job Unit: Set the unit for download intervals to seconds or percentage.• Download Mode: Configure settings so that specific or all content items are downloaded.
PIN Code	Set the device password (PIN code).

5.3 Device Management – Edit: Display Control (Basic)

- ✓ Set and Modify display related items of the device

General	<ul style="list-style-type: none">•Display Panel: Turn the display panel of the device on or off.•Input Source: The input source of the device can be changed.•Web Browser: Configure the web browser refresh interval, zoom and website settings.•Volume: Enter or change the volume of the device.•Mute: Mute or unmute the device.•Custom Logo: Displays a custom logo or default content, instead of the Samsung logo.•Panel On Time: View the time elapsed after turning the display panel on.•OSD: You can set to make the items on the display panel appear or disappear.
Fan & Temperature	<ul style="list-style-type: none">•Current Temperature: View the current temperature of the device.•Temperature Control: Enter the temperature. Control the device not to exceed the set temperature.

The screenshot shows the 'Edit Device' window for device 'D_YPUMPIN'. The 'Display Control' tab is active. The 'General' section includes settings for Power (Off), Display Panel (On), Source (dropdown), Web Browser (Refresh Interval: Off, Zoom: 125%, Home Page: Custom, URL: https://dxb-ws.visionairfids.com/?), Volume (15), Mute (On), Custom Logo (Not Available), Panel On Time (8997 Hours), OSD (Off), OSD Display Control (Source OSD), Source OSD (Off), Not Optimum Mode OSD (Off), No Signal OSD (Off), MDC OSD (Off), and Download Status Message (Off). The 'Fan & Temperature' section shows Current Temperature (41 °C) and Temperature Control (77 °C). A 'View More' button is highlighted with a red dashed box and a checkmark, with a tooltip that says 'Click to view and modify additional information'. At the bottom, there are 'Current status', 'Save', and 'Close' buttons.

5.3 Device Management - Edit: Display Control (2/2)

Edit Device • S6 D_YPUMPIN

Information Time Setup **Display Control** Security

Picture (VIDEO)

Lamp Control(Manual) 80

Contrast 70

Brightness 45

Sharpness 49

Color 50

Tint (G/R) 50

Color Tone: Off Cool Standard
 Warm1 Warm2 Natural

Color Temperature 10,000K

Picture Size 16:9 Standard

Digital Clean View Off

Film Mode Off

HDMI Black Level: Normal Low Auto

SOUND

Sound Mode Standard

- Standard
- Music
- Movie
- Clear Voice
- Custom
- Amplify
- Adaptive Sound

Maintenance

Screen Lamp Schedule: Off On

Max Time 12:00 AM

Max Value 100

Min Time 12:00 AM

Min Value 100

Screen Burn Protection

Timer: Off Repeat Interval

Immediate Display

Pixel Shift: Off On

Horizontal 0

Vertical 0

Shift Time 0 min.

Advanced Setting

Picture Enhancer: On Off

Auto Source Switching: On Off

Max. Power Saving: On Off

Auto Power On: On Off

Standby Control: Auto On Off

Remote Configuration: On Off

Reset: Reset Picture Reset Sound Reset System
 Reset All Reset OnScreen Display

Close

Current status Save Close

5.3 Device Management – Edit: Security

✓ Set and Modify device security items

Edit Device • **S6** D_YPUMPIN

Information Time Setup Display Control **Security**

Security

Safety Lock Off On
Disables the device with the remote controller and the panel button.
Confirm the password on your device to use it.

Remote Controller Lock Off On
Disables the device with the remote controller.

Button Lock Off On
Disables the device with the panel button.

All Keys Lock Off On
Disables the device with the remote controller and the panel button.

Touch Control Lock Off On
Disables the device with the touch control.

Advanced Security

This setting cannot be changed on the device when set on the server.

Server Network Settings Lock Off On

USB Lock Off On

Input Source Lock

DVI Off On

DisplayPort Off On

HDMI1 Off On

HDMI2 Off On

MagicInfo Off On

Bluetooth Lock Off On

Wi-Fi Lock Off On

Screen Monitoring Lock Off On
Sets the current device screen so that it is not displayed on the server.

Remote Control Lock Off On
Disables the remote control function on the server.

Network Lock Off On

Current status Save Close

Security	<ul style="list-style-type: none">•Safety Lock: You can set not to control major settings of the device.•Remote Control Lock: You can set not to control the device with the remote control.•Button Lock: You can set not to operate major buttons on the device.•All Keys Lock: You can set not to operate all buttons on the device.
Advanced Security	<ul style="list-style-type: none">•Server Network Settings Lock: Prevents settings changed from the server from being edited from the device.•USB Lock: Prevents the device from connecting to USB.•Input Source Lock: Prevents a specific input source from operating.•Wi-Fi Lock: Prevents the device from connecting to Wi-Fi.•Network Lock: Prevents the device from connecting to a network.•Screen Monitoring Lock: Prevents the device from transmitting screenshots to the server.

5.4 Device Management - Remote Control

- ✓ Remotely view and configure devices connected to MagicINFO Server.
- ✓ Control multiple devices simultaneously.

Type something... SEND

Support: English letters, numbers and some symbols on the device's keyboard.

- ✓ Send a message to the device
- ✓ Alphanumeric values only

- ✓ Add devices easily by clicking the + icon from the remote control window, without using MagicINFO Server.

Add Device

10.88.

- QB49R_5 (00-7c-2d-9e-2c-c1 ,10.88.68.101)
- QB49R_4 (00-7c-2d-cd-40-13 ,10.88.68.98)
- QB49R_3 (00-7c-2d-9e-2c-c0 ,10.88.68.42)
- QB49R_2 (00-7c-2d-9e-2c-bc ,10.88.68.95)

	The control range can be set only when the screen is set to zoom in.
	View log files that were recorded in the device during control with the remote control, mouse or text.
	Configure the frame rate and picture quality settings.

Control Scope All Selected

MagicInfo Remote Control 21.0900.0 Copyright © 2013 - 2021 samsung Electronics Co., Ltd.



5.5 Device Health: Error

✓ View details of players with failures affecting system maintenance

When click the Recently Reported, you can check detail information

Click the Description for link to Web Manual
It is possible to check details of the Error

Click the Status to open Error occurrence time

Error Check Guide

Before contact Samsung Customer Service Center, please check below definition for Device Errors or Device Warnings.
Please be aware that some problems may occur for a moment but no influence on the normal display, and not every problem occurs in your device.

Device Type	Code	Detailed Description	Explanation	Self-Check Guide
Outdoor Signage	0B61101	[System] Thermal Protection Level 1	Device has entered Thermal Protection Level 1 due to high temperature measured by sensors in it. Fan speed has been set to maximum.	It could occur in high temperature environment. Please operate the device in a place under 50°C. Remove any obstructing object in front of the air vents. If dust and

Occurred (C0T00807)

Occurred
2020-10-26 09:35
2020-10-19 09:08
2020-10-19 08:58

5.5 Device Health: Warning

✓ View devices that had warnings due to a rule violation

The screenshot shows a web interface for device health management. On the left is a navigation sidebar with categories like 'Device', 'Device Health', 'Error', 'Warning', 'Resolved', 'Notifications', 'Software Update', and 'Preset Management'. The main area displays a table of devices with columns for Type, Device Name, MAC Address, In Progress, and Recently Reported. A 'Warning' filter is set to 'Warning'. A modal window titled 'Warning Report for euny_sbox_s6' is open, showing a table of warning occurrences with columns for Code, Description, Occurred, Recently Reported, and Status. A link to an 'Error Check Guide' is visible in the modal. Annotations with checkmarks and arrows point to various elements: the 'Warning' filter, the 'Recently Reported' data, the 'Warning Report' modal, the 'Description' link, the 'Status' field, and the 'Error Check Guide'.

✓ Warning Type can be distinguished

✓ Click the Recently Reported data to get detailed information

Warning Report for euny_sbox_s6

Code	Description	Occurred	Recently Reported	Status
ECC85202	[LED] Module Power warning (count:6)	2021-01-27 06:58	2021-01-28 07:58	In Progress

Error Check Guide

Before contact Samsung Customer Service Center, please check below definition for Device Errors or Device Warnings.
Please be aware that some problems may occur for a moment but no influence on the normal display, and not every problem occurs in your device.

Device Type	Code	Detailed Description	Explanation	Self-Check Guide
Outdoor Signage	0B61101	[System] Thermal Protection Level 1	Device has entered Thermal Protection Level 1 due to high temperature measured by sensors in it. Fan speed has been set to maximum.	It could occur in high temperature environment. Please operate the device in a place under 50°C. Remove any obstruction object in front of the air vents. If dust and

✓ Click the Description of link to Web Manual

✓ It is possible to check details of the Warning

Occurred (ECC85202)

Occurred

2021-01-28 07:58

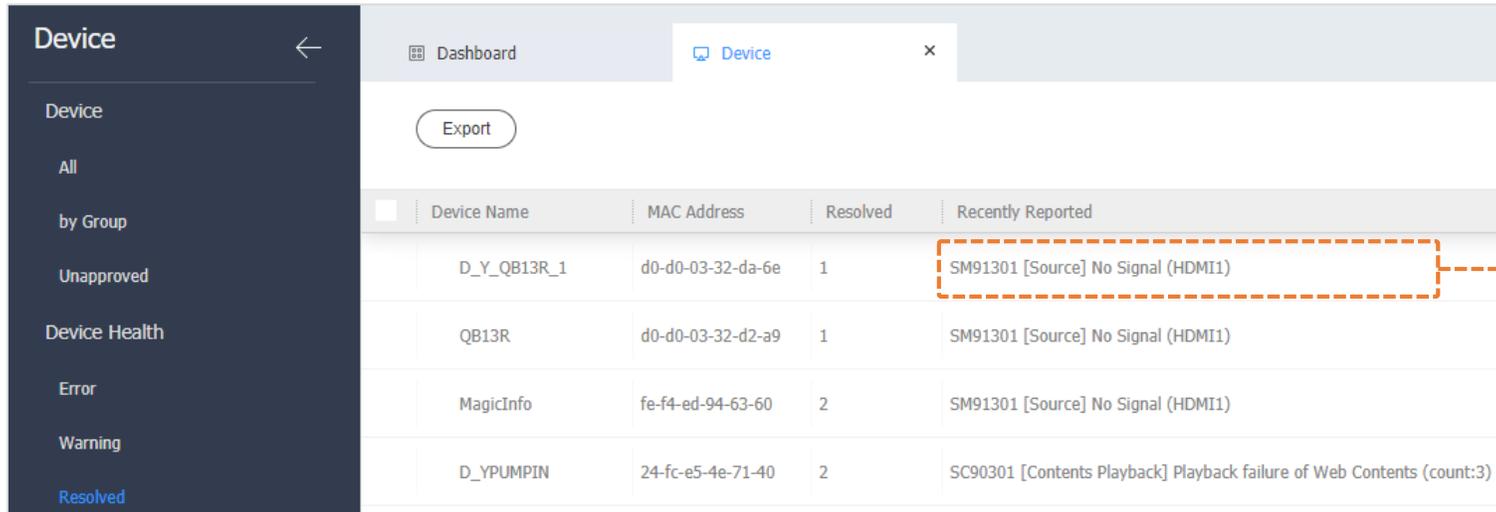
2021-01-28 06:58

2021-01-28 05:58

✓ Click the Status to open Error occurrence time

5.5 Device Health: Resolved

✓ View the resolved device status



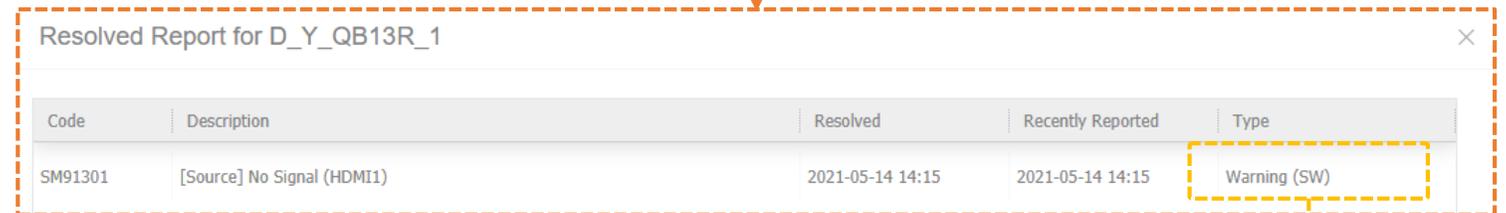
Device

Dashboard Device

Export

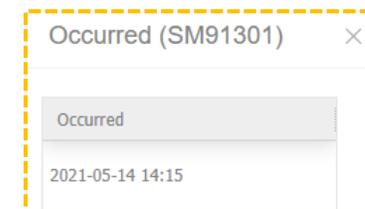
Device Name	MAC Address	Resolved	Recently Reported
D_Y_QB13R_1	d0-d0-03-32-da-6e	1	SM91301 [Source] No Signal (HDMI1)
QB13R	d0-d0-03-32-d2-a9	1	SM91301 [Source] No Signal (HDMI1)
MagicInfo	fe-f4-ed-94-63-60	2	SM91301 [Source] No Signal (HDMI1)
D_YPUMPIN	24-fc-e5-4e-71-40	2	SC90301 [Contents Playback] Playback failure of Web Contents (count:3)

✓ Click the Recently Reported data to get detailed information



Resolved Report for D_Y_QB13R_1

Code	Description	Resolved	Recently Reported	Type
SM91301	[Source] No Signal (HDMI1)	2021-05-14 14:15	2021-05-14 14:15	Warning (SW)



Occurred (SM91301)

Occurred
2021-05-14 14:15

✓ Click Type data to get Issue occurrence time

5.6 Software Update – Register

✓ Register Software to upgrade device FW

- Even if it is the same FW, it must be registered for each Device type

Device Type	Choose the device types to update the software from the drop-down list of devices connected to MagicINFO Server.
Software Name	Enter the name of the software to update on the device.
File Name	To select a software file, click

< Device Type: SPLAYER >

Device Type	Software Name	Version
SPLAYER	Tz4.0_2280	T-KTM2ELAKUC 2280.0

< Device Type: WPLAYER >

Device Type	Software Name	Version
WPLAYER	Tz4.0_2280	T-KTM2ELAKUC 2280.0

5.6 Software Update – Publish

✓ Software Update of selected device

The screenshot illustrates the software update process in a management console. The interface is divided into several sections:

- Sidebar (Left):** Contains navigation icons for Content, Playlist, RuleSet, Schedule, and Device. The 'Device' section is active, showing a 'Software Update' button labeled '1'.
- Device List (Top):** A table with columns for Device Type, Software Name, and Version. A row for 'SPLAYER' with software 'Tz4.0_2280' is selected. A 'Publish' button labeled '2' is highlighted in the top toolbar.
- Publish Dialog (Middle):** A modal window titled 'Publish' showing details for the selected device: Device Type (SPLAYER), Software Name (Tz4.0_2280), Software Version (T-KTM2ELAKUC 2280.0), and Applied Model (QB13R-T, QB13R, QM43R, QB49R). It includes options for 'Publish time' (Publish Now or Schedule Publish) and a 'Target Device' section with an 'Add' button labeled '3'.
- Select device Modal (Right):** A modal window titled 'Select device' showing a table of devices. The first row, 'D_YPUMPIN', is selected. An 'Add' button labeled '5' is highlighted at the bottom right.
- Publish Dialog (Bottom):** The 'Target Device' section shows the selected device 'D_YPUMPIN (24-fc-e5-4e-71-40)'. A 'Publish' button labeled '6' is highlighted at the bottom.

Device Type	Software Name	Version	
<input checked="" type="checkbox"/>	SPLAYER	Tz4.0_2280	T-KTM2ELAKUC 2280.0
<input type="checkbox"/>	SPLAYER		
<input type="checkbox"/>	KIOSK		
<input type="checkbox"/>	KIOSK		
<input type="checkbox"/>	WPLAYER (WE		

Device Name	MAC Address	IP	Firmware Version	Player Version
<input checked="" type="checkbox"/> D_YPUMPIN	24-fc-e5-4e-71-40	10.88.67.179	T-KTM2ELAKUC-2250.1;T MagicInfo_SPlayer_Tize	
<input type="checkbox"/> QB49R_4	00-7c-2d-cd-40-13	10.88.68.98	T-KTM2ELAKUC-2250.1;T MagicInfo_SPlayer_Tize	
<input type="checkbox"/> QB49R_1	00-7c-2d-9e-2c-c2	10.88.68.94	T-KTM2ELAKUC-2250.1;T MagicInfo_SPlayer_Tize	
<input type="checkbox"/> QB49R_5	00-7c-2d-9e-2c-c1	10.88.68.101	T-KTM2ELAKUC-2250.1;T MagicInfo_SPlayer_Tize	
<input type="checkbox"/> QB49R_3	00-7c-2d-9e-2c-c0	10.88.68.42	T-KTM2ELAKUC-2250.1;T MagicInfo_SPlayer_Tize	

5.6 Software Update – Applied Status

✓ Check the progress status of Software update from the Applied Status

The screenshot illustrates the 'Applied Status' of software updates for devices. The interface is divided into several sections:

- Left Sidebar:** Contains navigation icons for Content, Playlist, RuleSet, Schedule, and Device. The 'Device' section is expanded, showing options like 'All 10', 'by Group' (DefaultOrg 0, EBT 5, KIOSK 1, YPUMPIN 4), 'Unapproved', 'Device Health', 'Notifications', 'Software Update', and 'Register & Publish'. The 'Applied Status' option is highlighted with a yellow dashed box.
- Table:** A table listing devices with columns: RSV ID, Device Type, and Software Name. The row with RSV ID 13 and Software Name 'Tz4.0_2280' is highlighted with a red dashed box. A red arrow points from this row to the 'Publish Status' panel.
- Publish Status Panel (Top):** Shows the status for the selected software 'Tz4.0_2280':
 - Total : 1
 - Downloading : 1
 - Download Completed : 0
 - Upgrade Success : 0
 - Upgrade Fail : 0
- Table (Right):** A table showing update progress for device 'D_YPUMPIN' (Model QM43R, Group Demo_04). The 'Status' column is highlighted with a green dashed box, showing '30%' and 'Downloading'. A green arrow points from this status to the second 'Applied Status' panel.
- Publish Status Panel (Bottom):** Shows the status for the selected device 'D_YPUMPIN':
 - Total : 1
 - Downloading : 0
 - Download Completed : 0
 - Upgrade Success : 1
 - Upgrade Fail : 0
- Bottom:** Shows pagination '1 - 1 / 1' and a 'Close' button.



06 Guide to Tag Management

6.1 Tag Management

✓ Add/delete Tags

- Tag Type: Number, Text, True or False

The screenshot shows the 'Setting' menu on the left with 'Tag Management' highlighted. The main area displays a table of existing tags.

Tag Name	Organization
Main	Common
WORK	DefaultOrg
Insight_Work	Common
test01	Common
13_03	DefaultOrg
13_02	DefaultOrg
13_01	DefaultOrg
유빈스	Common
TEST	Common

Add Tag

Tag Name: YPUMPIN_01

Tag Type: **Number** < Number >

Organization: DefaultOrg

Description: Enter your text here.

Add Tag

Tag Name: YPUMPIN_01

Tag Type: **Text** < Text >

Tag Value: 1  ✓ Enter Tag Value using the '+' icon

Organization: DefaultOrg

Description: Enter your text here.

Add Tag

Tag Name: YPUMPIN_01

Tag Type: **True or False** < True or False >

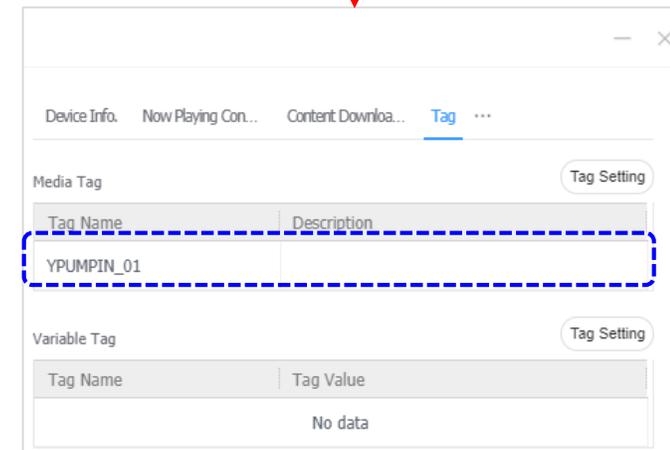
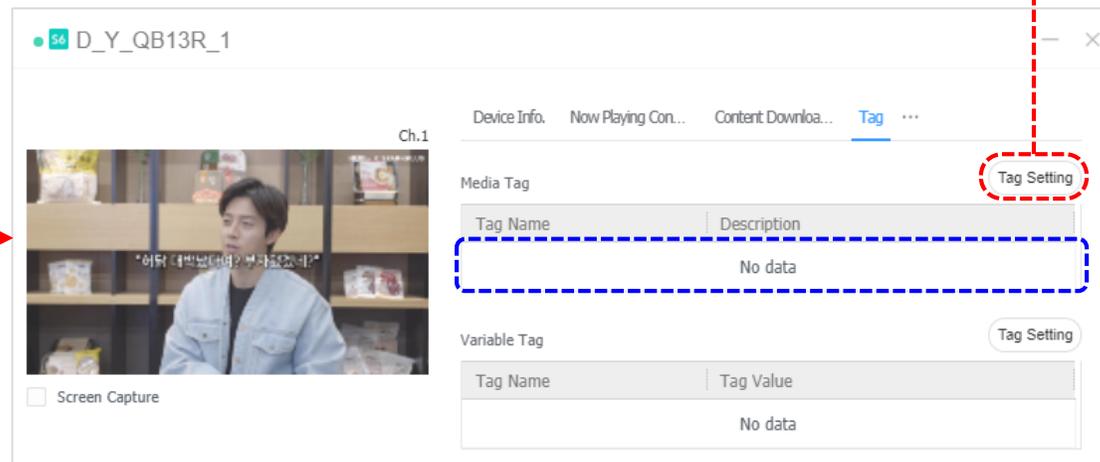
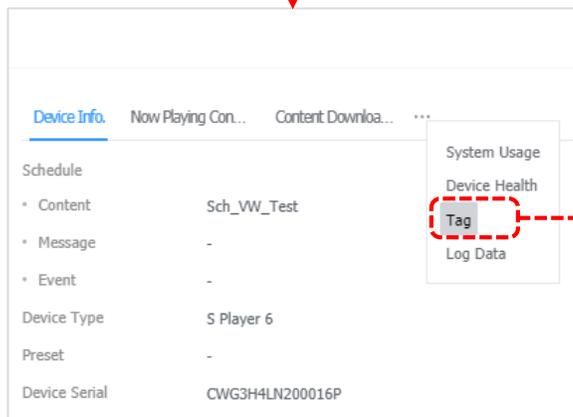
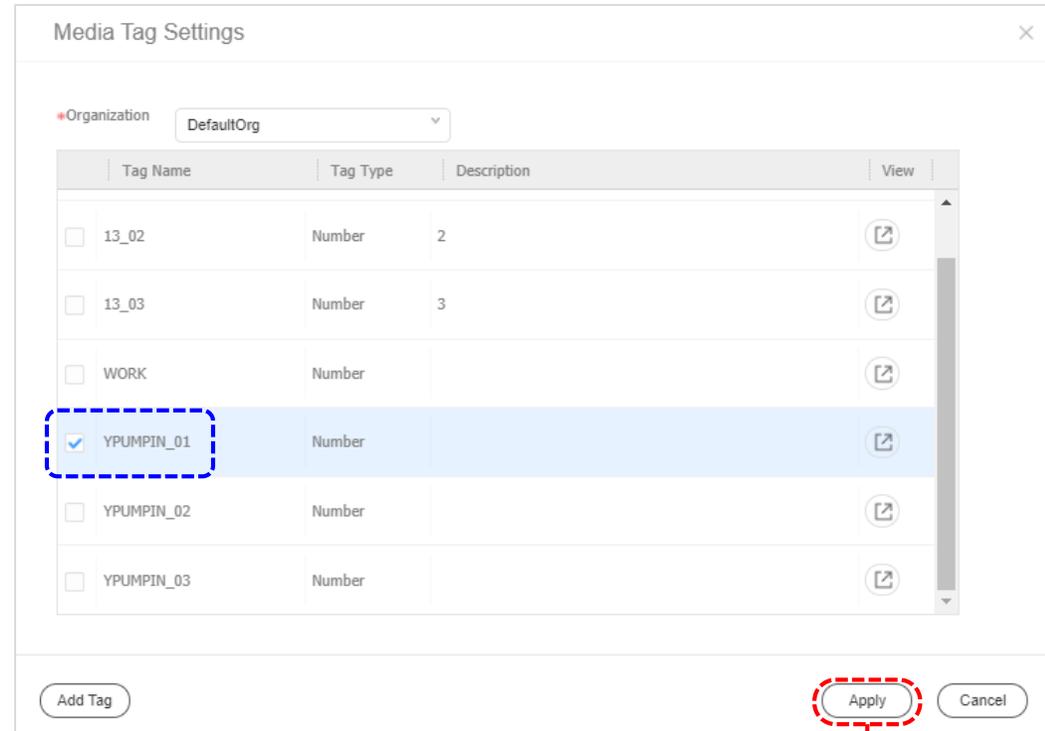
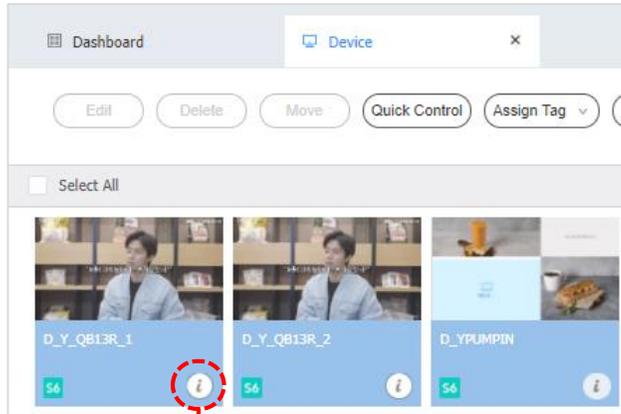
Organization: DefaultOrg

Description: Enter your text here.

Save Cancel

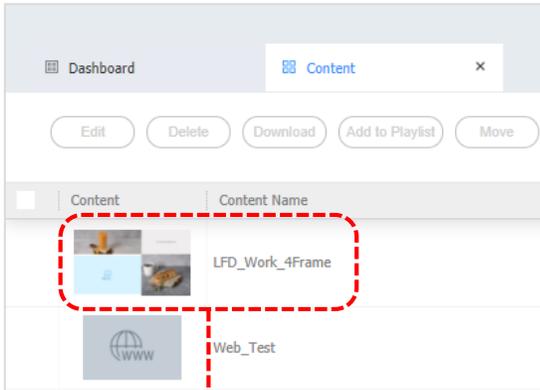
6.2 Tag Settings: Device

✓ Tag can be set for each device

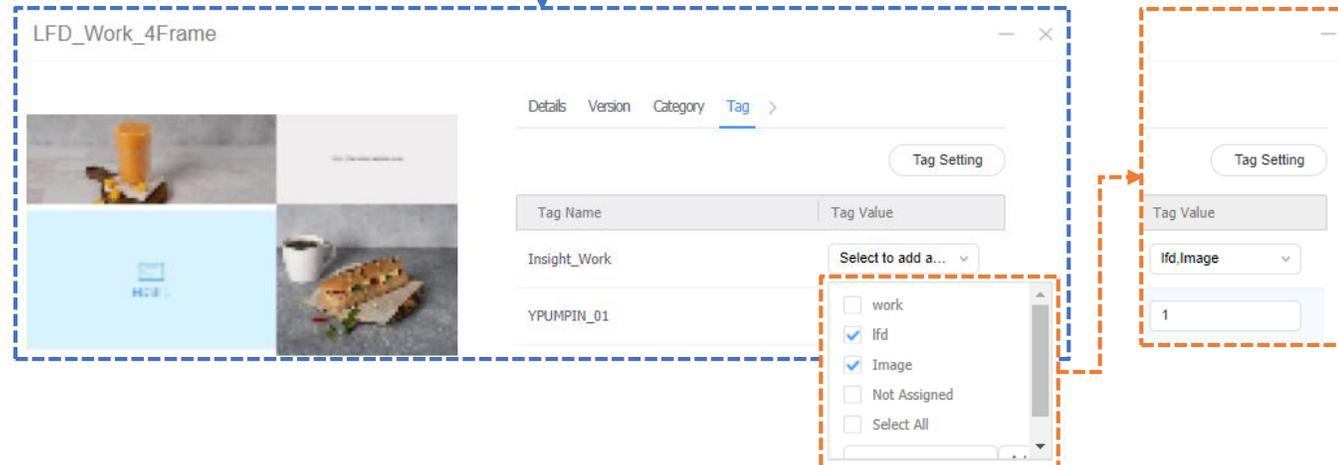
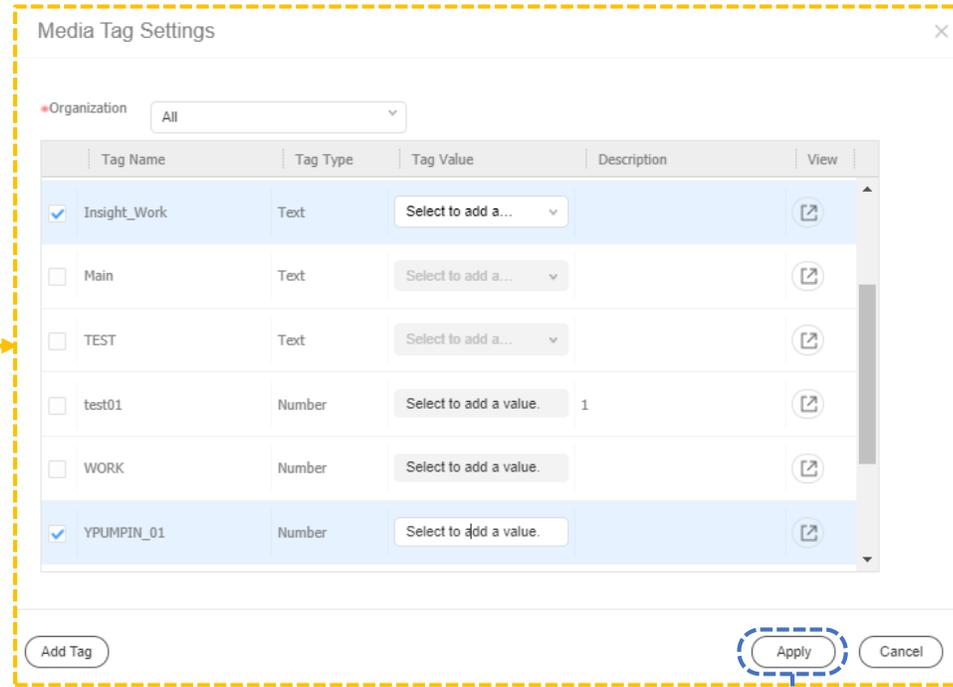


6.2 Tag Settings: Content

✓ Tag can be set for each Content



✓ Click the Content Name



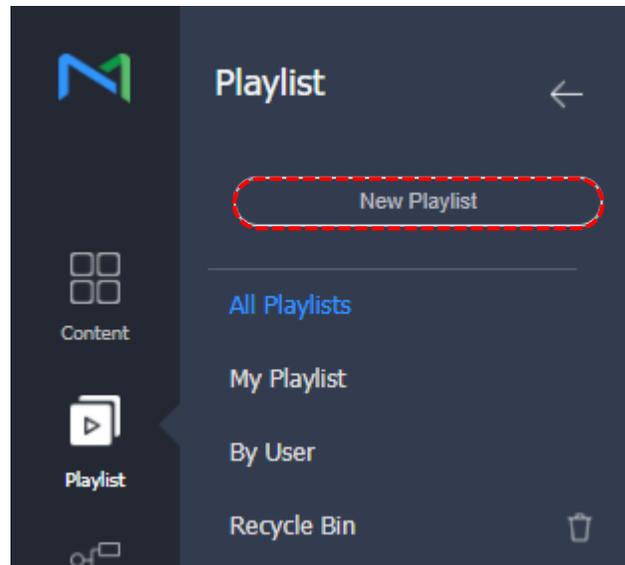
✓ Text Type: Select entered Tag Value
✓ Number: Enter the Number



07 General Schedule

7.1 Overview – Supported Playlist Type

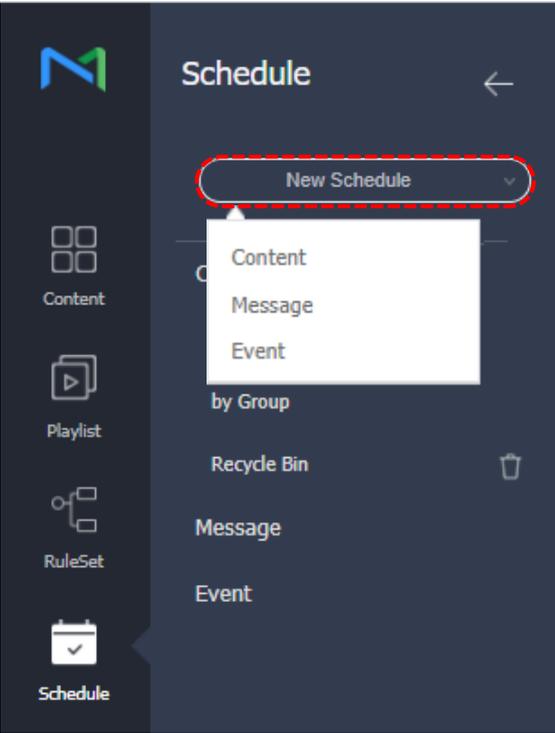
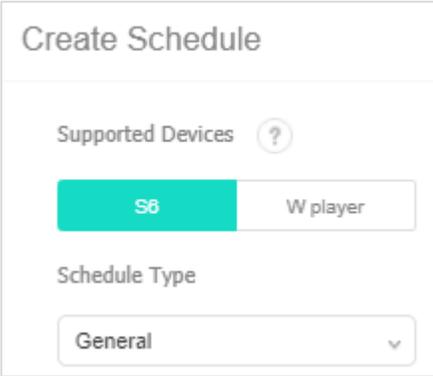
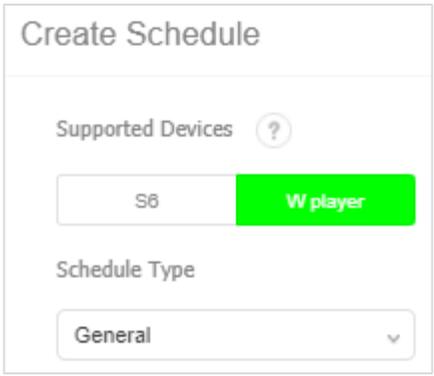
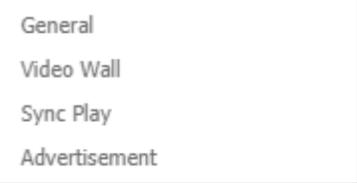
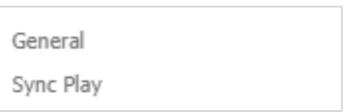
✓ Playlist Type defers according to selected device type



	S Player	W Player
How to		
Supported Playlist Type	<ul style="list-style-type: none"> General Nested Tag Video Wall Sync Play Advertisement 	<ul style="list-style-type: none"> General Nested Tag Sync Play

7.1 Overview – Supported Schedule Type

- ✓ Schedule Type differs according to selected device type

		S Player	W Player
	How to		
	Supported Schedule Type	<ul style="list-style-type: none">▪ General▪ Video Wall▪ Sync Play▪ Advertisement 	<ul style="list-style-type: none">▪ General▪ Sync Play 

7.2 Create Playlist – Nested

- ✓ Nested Playlist is treated as Content and can be added when creating Playlist.

The screenshot displays the 'New Playlist' interface. On the left, a sidebar contains navigation icons for Content, Playlist, RuleSet, Schedule, Device, Statistics, and User. The main area is titled 'New Playlist' and includes a breadcrumb trail: Dashboard | Device | Playlist | New Playlist. The interface shows a grid of content items, with one item labeled 'indi_mango_passi on' highlighted by a dashed yellow box. A 'Drag & Drop' instruction with a checkmark and a dashed yellow box is shown above a preview area on the right, which displays two items: 'indi_ice_espr...' and 'indi_ice_vani...'. The preview area also shows a 'Filter Tags' dropdown set to 'Select Tag' and a 'Number of Files : 2' indicator. The interface includes 'Save' and 'Close' buttons at the top, and 'Delete' and 'Settings' buttons on the right. The user 'admin' is logged in, with a 'Sign Out' button and a help icon.

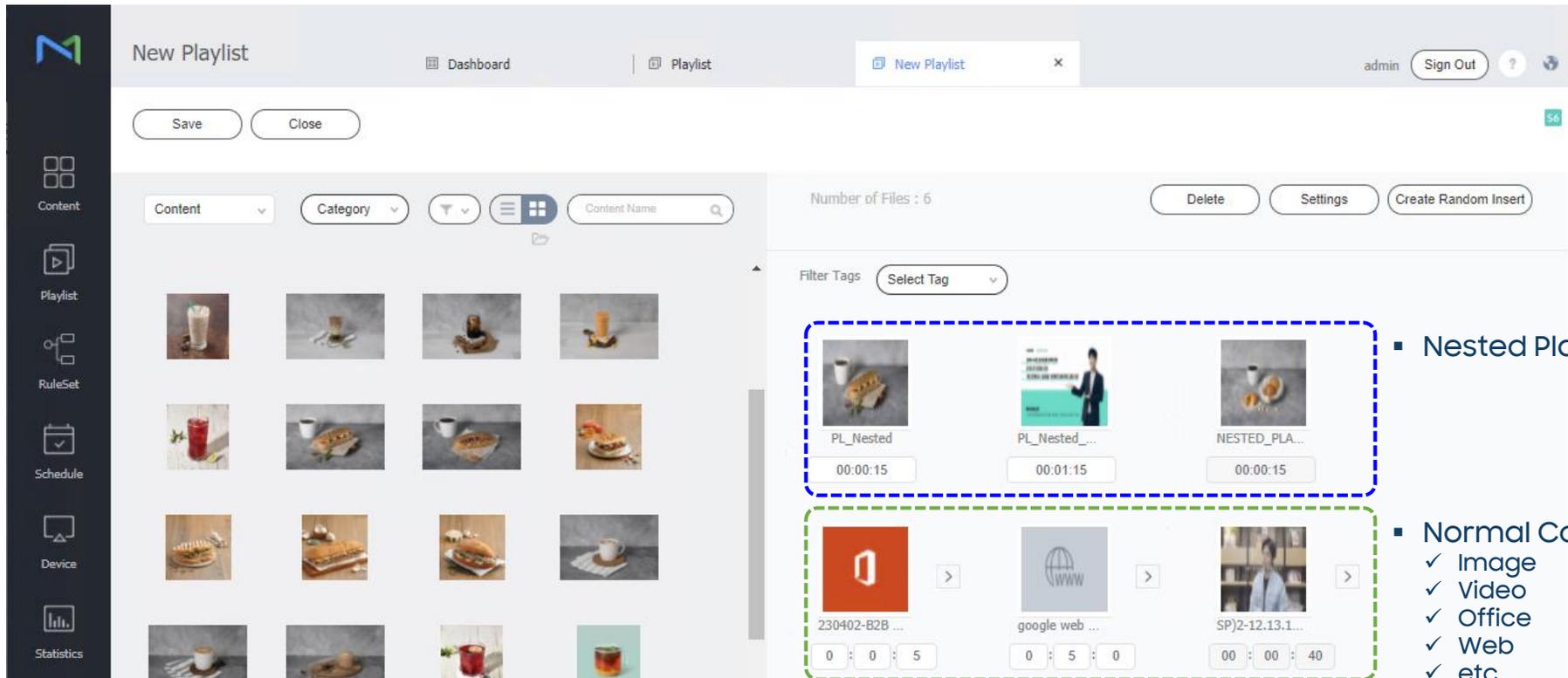
7.2 Create Playlist – General

- ✓ For General Type, you can add general content and Nested Playlist
 - To add the Nested Playlist, select 'Nested' as follows.

The image displays a user interface for creating a new playlist. On the left, a sidebar titled 'New Playlist' contains several sections: 'Supported Devices' with a 'W player' button, and 'Playlist Type' with a dropdown menu set to 'General'. The main area shows a 'New Playlist' form with a 'Content' dropdown menu. A green dashed box highlights the 'Nested' option in this menu. Below the menu, a grid of content thumbnails is visible. A second, smaller screenshot of the same interface is overlaid on the bottom right, also with a green dashed box around the 'Nested' option, illustrating the selection process. The interface includes navigation buttons like 'Save', 'Close', 'Delete', 'Settings', and 'Create Random Insert', along with a search bar for 'Content Name' and a 'Filter Tags' dropdown.

7.2 Create Playlist – General

✓ Playlist can be created with various types of content



The screenshot shows a web interface for creating a new playlist. The top navigation bar includes 'Dashboard', 'Playlist', and 'New Playlist' tabs. The main area is titled 'New Playlist' and contains a grid of content items on the left and a list of selected items on the right. The grid has filters for 'Content', 'Category', and 'Content Name'. The list of selected items shows 'Number of Files : 6' and buttons for 'Delete', 'Settings', and 'Create Random Insert'. A 'Filter Tags' dropdown is also present. The selected items are categorized into 'Nested Playlist' and 'Normal Content'.

Number of Files : 6

Delete Settings Create Random Insert

Filter Tags Select Tag

- Nested Playlist
 - PL_Nested 00:00:15
 - PL_Nested... 00:01:15
 - NESTED_PLA... 00:00:15
- Normal Content
 - 230402-B2B ... 0 : 0 : 5
 - google web ... 0 : 5 : 0
 - SP)2-12.13.1... 00 : 00 : 40

7.3 Create Schedule

✓ When creating a Schedule, you can filter the content type

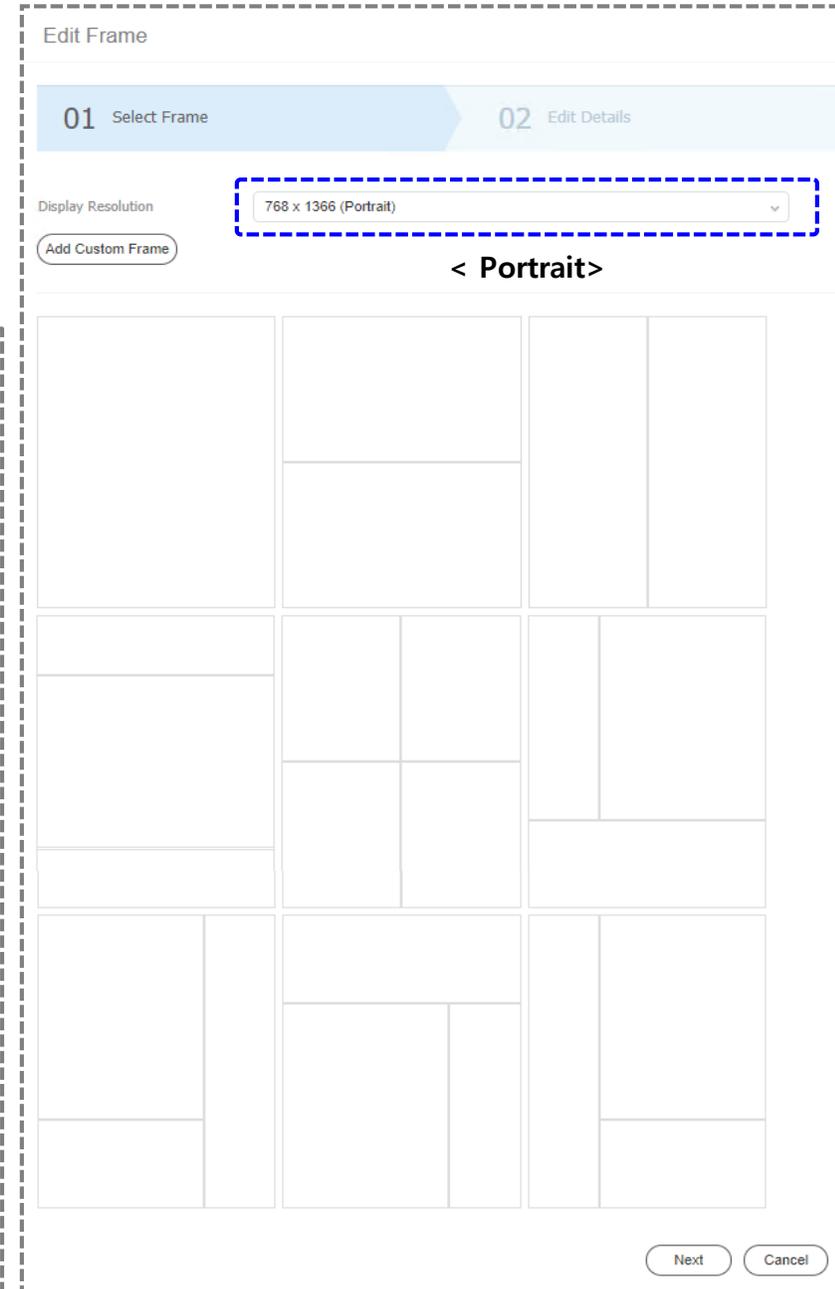
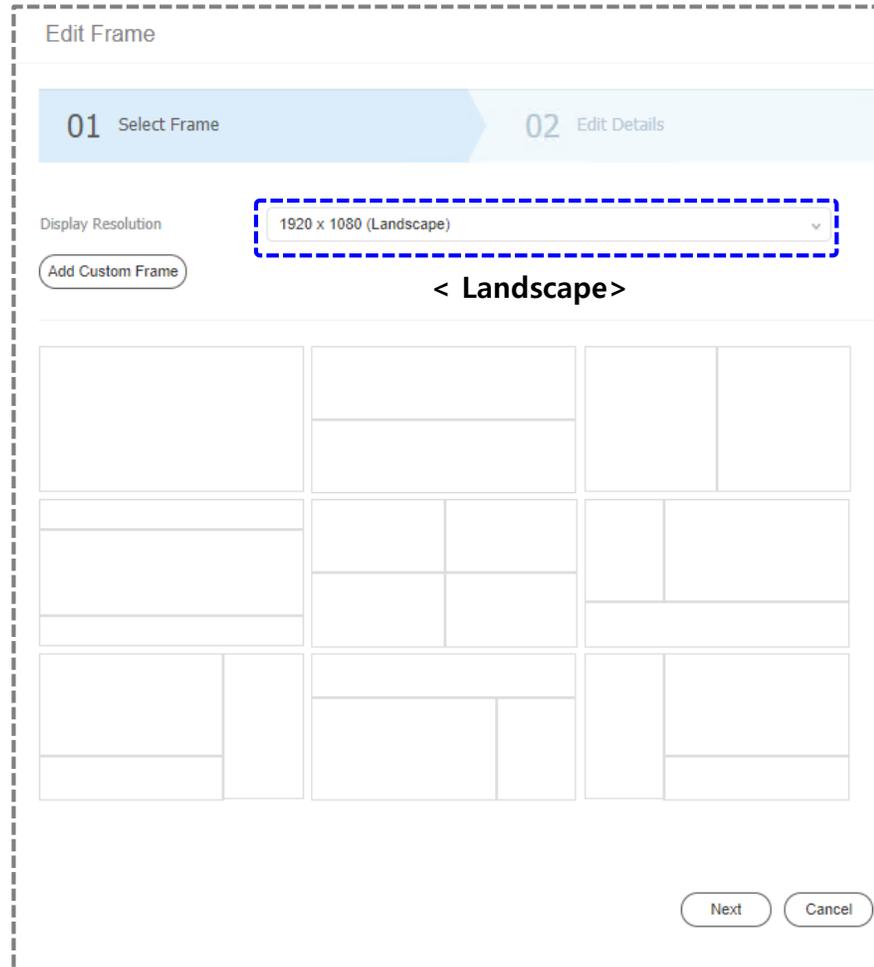
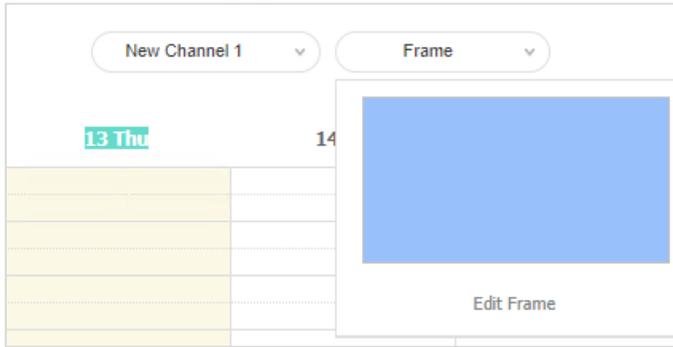
The image illustrates the process of creating a schedule in a media player interface. It consists of several overlapping screenshots and a central calendar view.

- Main Menu:** Shows a sidebar with icons for Content, Playlist, RuleSet, and Schedule. The 'Schedule' icon is highlighted with a red dashed box.
- New Schedule Dialog (Top Left):** A dropdown menu is open, showing options: Content (highlighted with a red dashed box), Message, and Event. A red dashed line connects this menu to the 'Create Schedule' dialog.
- Create Schedule Dialog (Bottom Left):** Shows 'Supported Devices' (S8, W player) and 'Schedule Type' (General, Video Wall, Sync Play, Advertisement). The 'General' option is highlighted with a red dashed box. A yellow dashed box highlights the 'Create' button.
- New Schedule Dialog (Middle Left):** Shows a 'Content' dropdown menu with options: Content (highlighted with a red dashed box), Playlist, Input Source, and RuleSet. A green dashed line connects this menu to the 'New Schedule' dialog with the input source list.
- New Schedule Dialog (Bottom Middle):** Shows a list of input sources: TV(Antenna), HDMI 1, HDMI 2, HDMI 3, HDMI 4, AV, Display Port, Display Port2, and DVI.
- New Schedule Dialog (Bottom Right):** Shows a grid of content items: TEST_PLAYLIST, pl_addtest, pl_all_web, PL_Web Test, and PL_With_Neste... A blue dashed line connects this dialog to the calendar view.
- Calendar View (Background):** Shows a calendar for April 18-24, 2021. The date '21 Wed' is highlighted in green.

7.3 Create Schedule – Frame

✓ Multiple type of frames can be set

- Display Resolution can be set.

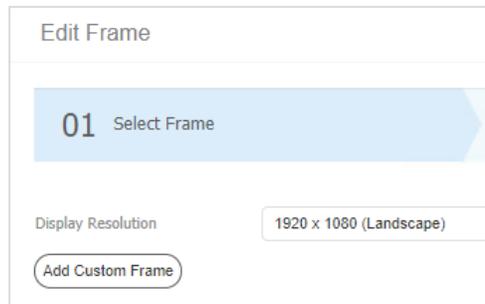


- Supported Display Resolution

3840 x 2160 (Landscape)
1920 x 1080 (Landscape)
1366 x 768 (Landscape)
1360 x 768 (Landscape)
1280 x 1024 (Landscape)
768 x 1366 (Portrait)
768 x 1360 (Portrait)
1080 x 1920 (Portrait)
1024 x 1280 (Portrait)
2160 x 3840 (Portrait)

7.3 Create Schedule – Customer Frame

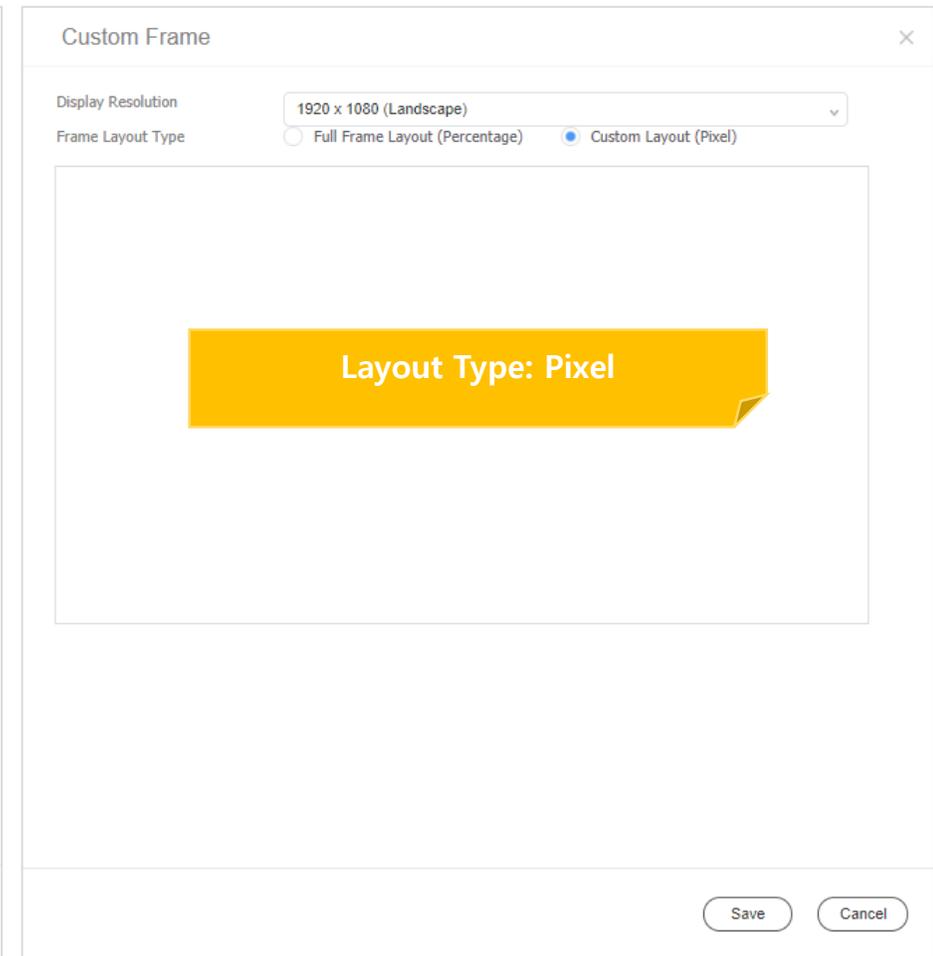
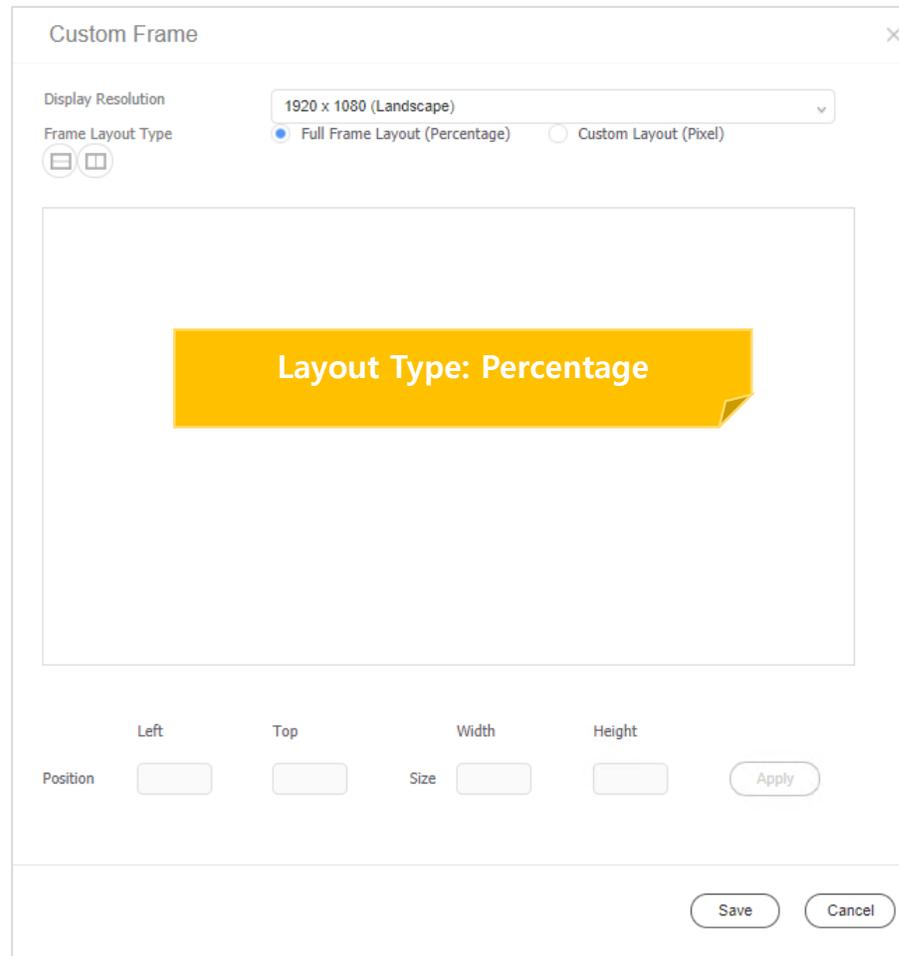
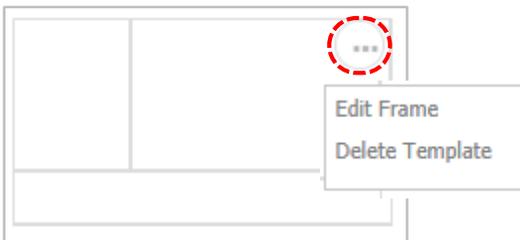
- ✓ A user defined frame can be added
 - The added frame can be checked in the 'Select Frame' and can be modified/deleted.



▪ Default Frame



▪ Customer Frame



7.3 Create Schedule – Customer Frame: Full Frame Layout

✓ Click the '  ' icon to split the screen frame

Custom Frame ✕

Display Resolution

Frame Layout Type Full Frame Layout (Percentage) Custom Layout (Pixel)

Left Top Width Height

Position Size



Custom Frame ✕

Display Resolution

Frame Layout Type Full Frame Layout (Percentage) Custom Layout (Pixel)

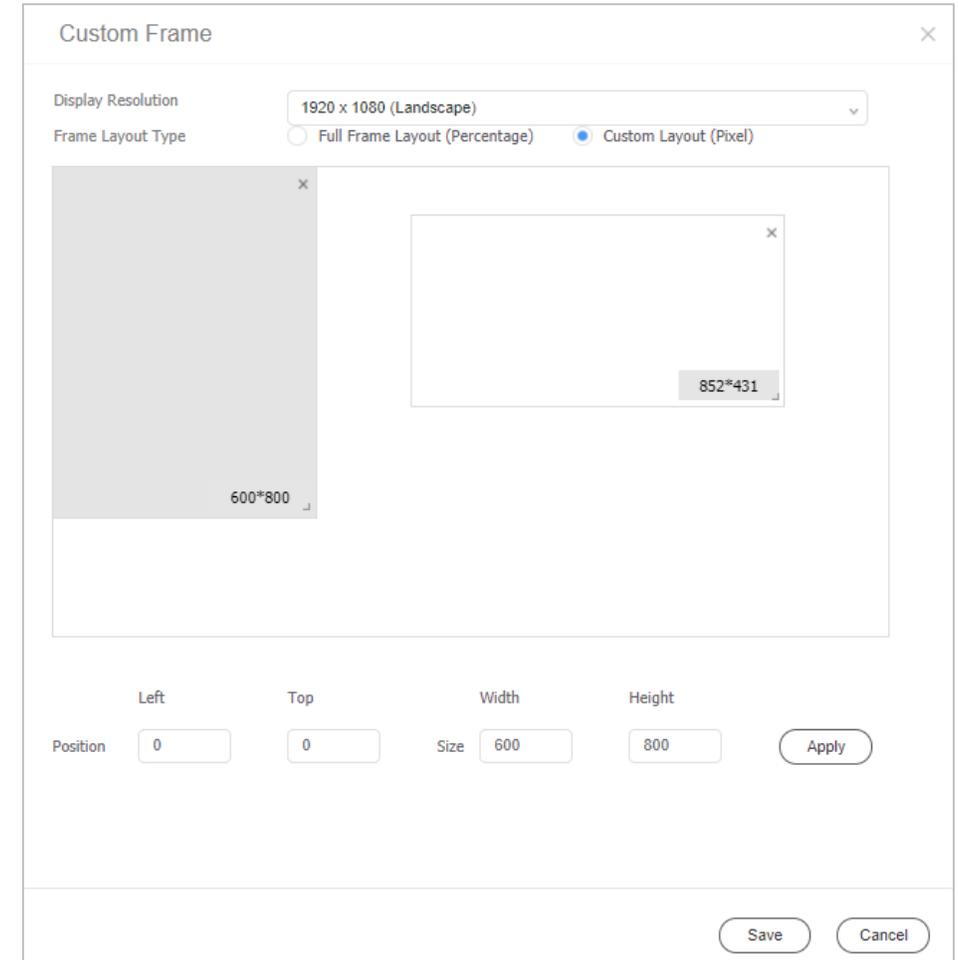
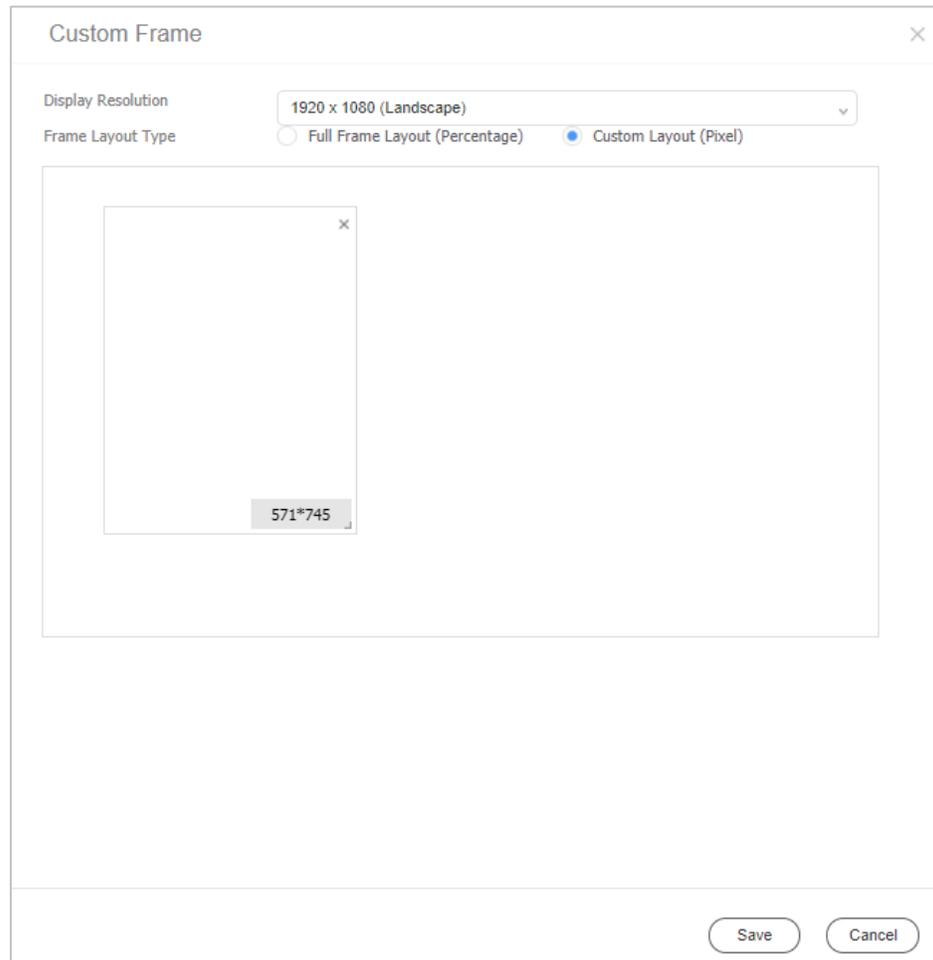
 

Left Top Width Height

Position Size

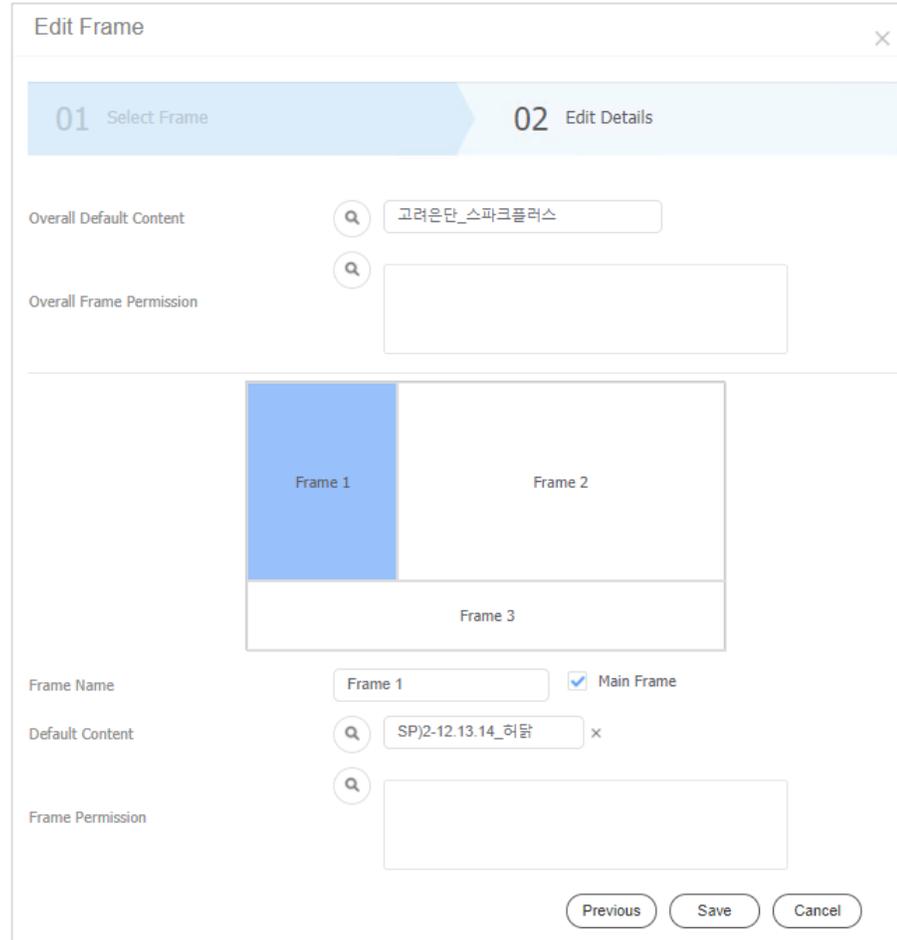
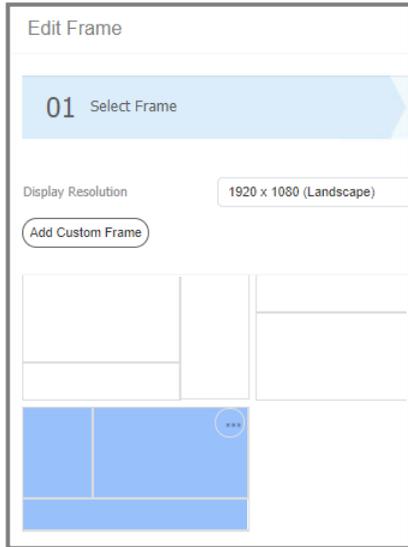
7.3 Create Schedule – Customer Frame: Customer Layout

- ✓ A frame of desired size can be created by dragging the mouse on the frame area. You can select the created frame to set the position, or move/resize/delete it by dragging.



7.3 Create Schedule – Edit Frame

✓ Each frame can be set differently



Overall Default Content	Select the default content to play after ignoring the divided frames, when there is no content published.
Overall Frame Permission	Select a user group that can use all the frames.
Frame Name	Select a frame to apply content. The frame name appears. To set the selected frame as the default, select Main Frame.
Default Content	Select the default content to play in the selected frame
Frame Authority	Select a use group that can use all the selected frames.

EX)

- Overall Default Content: **Content A**

	Default Content	Schedule Info	Current Time	
			9:00	14:00
Frame 1	Content B	8:00 ~ 13:00 : Content AA 15:00 ~ 17:00 : Content BB	Content AA	Content B
Frame 2		8:00 ~ 13:00 : Content BB 14:30 ~ 16:30 : Content C	Content BB	Content A
Frame 3	Content B	11:00 ~ 15:00 : Content AA	Content B	Content AA

7.3 Create Schedule - Channel

✓ Channels can be added and configured

- Click the 'Add' button to add a channel.
- You can modify the channel name and set the channel number.



7.3 Create Schedule – Select Channel & Frame

- ✓ Content can be set for each channel and frame
 - W Player can set up channels only.

The screenshot shows the S Player interface for creating a new schedule. At the top, there are 'Save' and 'Cancel' buttons. The title is '[NEW Schedule] 2021-05-13 17:36:44'. A red dashed box highlights '0 Byte' and a blue dashed box highlights 'S6'. Below this, there is a date range 'May 9 – 15, 2021' and a 'Today' button. A dropdown menu shows 'Selected Channel Name' with 'B Channel 2' selected. Another dropdown menu shows 'Frame' with 'All' selected. A red dashed box highlights a blue square in the 'Selected Frame' dropdown. Below the dropdowns is a calendar grid for the week of May 9-15, 2021. The 13th (Thursday) is highlighted in yellow. The grid shows time slots from 06:00 to 09:00. An 'Edit Frame' button is at the bottom right.

✘ S Player

The screenshot shows the W Player interface for creating a new schedule. At the top, there are 'Save' and 'Cancel' buttons. The title is '[NEW Schedule] 2021-05-13 17:47:41'. A red dashed box highlights '0 Byte' and a blue dashed box highlights 'W'. Below this, there is a date range 'May 9 – 15, 2021' and a 'Today' button. A dropdown menu shows 'Selected Channel Name' with 'B Channel 2' selected. Below the dropdowns is a calendar grid for the week of May 9-15, 2021. The 13th (Thursday) is highlighted in yellow. The grid shows time slots from 06:00 to 07:00.

✘ W Player

7.3 Create Schedule – Schedule Save

✓ Schedule generation method

- Drag & Drop, Click the time Area, Drag the time Area

✓ Drag & Drop

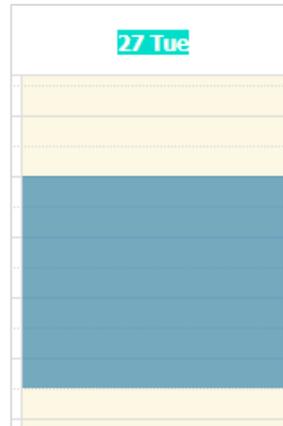
✓ Right click

Bring to Top
Send to Bottom

✓ Click content

The screenshot shows the 'New Schedule' interface. A calendar grid for April 25 to May 1, 2021, is displayed. A time slot from 11:00 to 12:59 on Monday is selected and highlighted in blue. A context menu is open over this slot, showing options 'Bring to Top' and 'Send to Bottom'. A dashed green arrow points from the selected slot to the 'Create Schedule' dialog box on the right. Another dashed green arrow points from the context menu to the 'Select Content' dialog box on the right.

- ✓ Click the time Area
- ✓ Drag the time Area



Create Schedule

Content: [Search] Lock

Repeat: Once

Playback Date: 2021-04-27 ~ 2021-04-27 Never Expire

Playback Time: 11:00:00 ~ 13:59:59 24 hours

Save Cancel

The 'Create Schedule' dialog box is shown. It has fields for Content (with a search icon and a lock checkbox), Repeat (set to 'Once'), Playback Date (2021-04-27 to 2021-04-27, with 'Never Expire' checkbox), and Playback Time (11:00:00 to 13:59:59, with '24 hours' checkbox). A dashed blue arrow points from the search icon in the Content field to the 'Select Content' dialog box on the right.

Select Content

✓ Click on each tab to view content list of the same type

Content Playlist Input Source RuleSet

All My Contents

Category Content Name

- DEMO_Client_Arrival
- Forest School V2
- 4Frame_Test
- 스벅 아이스 차이 티 라떼
- indi_ice espresso
- indi_ice_vanilla sweet cream cold brew

Select Close

The 'Select Content' dialog box is shown. It has tabs for Content, Playlist, Input Source, and RuleSet. The 'Content' tab is selected. A list of content items is displayed, including 'DEMO_Client_Arrival', 'Forest School V2', '4Frame_Test', '스벅 아이스 차이 티 라떼', 'indi_ice espresso', and 'indi_ice_vanilla sweet cream cold brew'. A dashed orange arrow points from the 'Content' tab to the text 'Click on each tab to view content list of the same type'. A dashed green arrow points from the 'Select Content' dialog box to the 'Create Schedule' dialog box on the left.

7.3 Publishing Schedule

✓ Publishing schedule to the device group

- Additional setting can be set through the 'More Options'

The screenshot shows a 'Save' dialog box with the following fields and options:

- Schedule Name:** [NEW Schedule] 2021-05-13 17:53:58
- Schedule Group:** DefaultOrg - default
- Publish to:** (Empty selection box)
- Description:** (Empty text area)
- More Options:**
 - Background Music:** Background Music
 - Content Synchronization:** Off On
 - Resume Play:** Off On

Buttons at the bottom: Save & Publish, Cancel

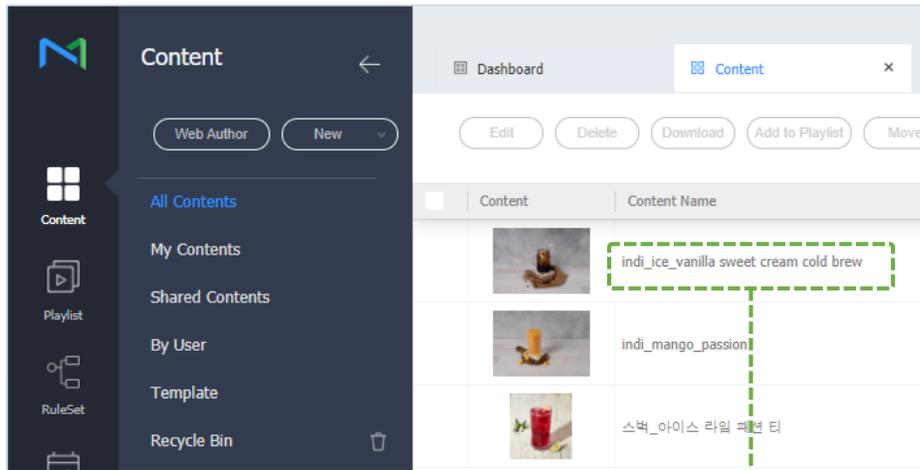
Schedule Name	Enter a schedule name. A single schedule name cannot be used more than once.
Schedule Group	Select a group for the schedule.
Publish to	select a device group to which publish the schedule. It is not possible to select individual devices.
Background Music	Select a content to use as background music for the content. If the content mapped to the schedule is a video that contains sound, the sound is replaced by the specified background music and only the video is played.
Content Synchronization	Content 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 connected to the same network.
Resume Play	Choose whether to use continuously play.



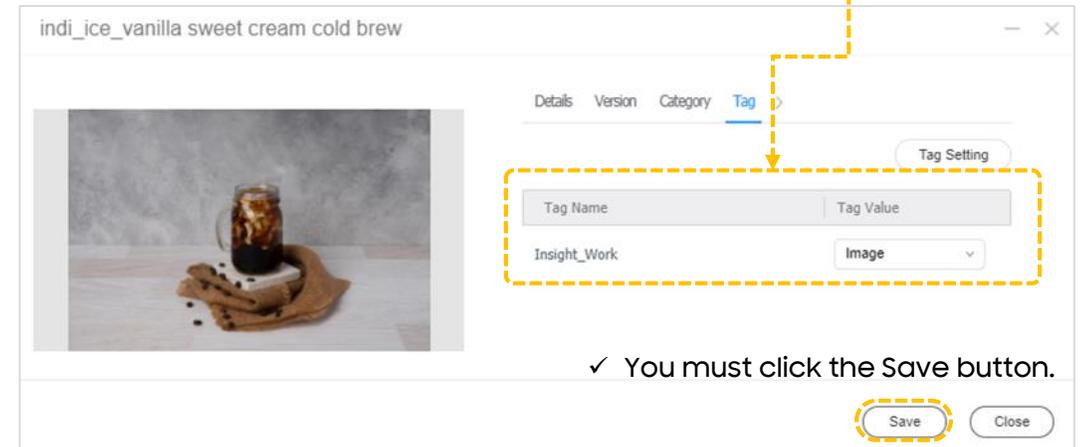
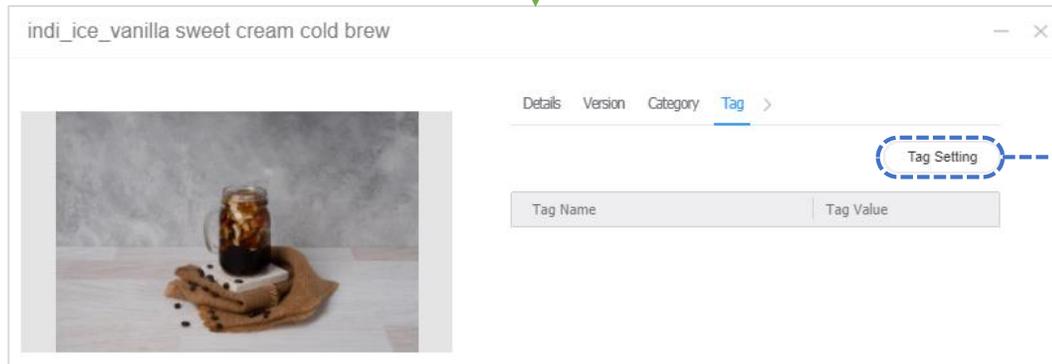
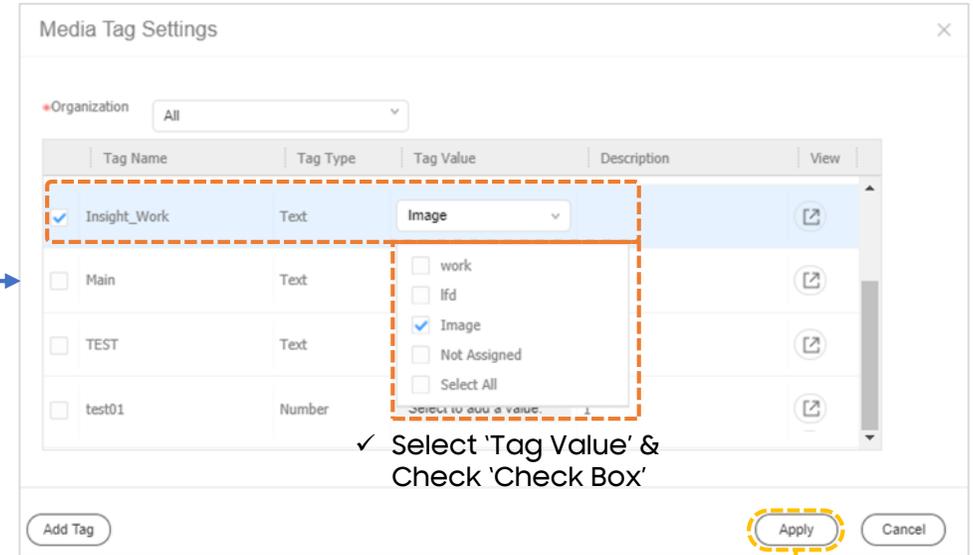
08 Tag Schedule

8.1 Overview – Tag Mapping

- ✓ Create a playlist using content items selected with tags



✓ Click 'Content Name'



8.2 Create Playlist – Tag

- ✓ If the Media Tag is selected, the content mapped to the tag is automatically selected.

The screenshot displays the 'New Playlist' interface. On the left, there are settings for 'Supported Devices' (S6, W player), 'Playlist Type' (Tag), and 'Default Content Playing Duration' (0:0:5). The main area shows a 'Media Tag' table with the following data:

Tag Name	Tag Type	Tag Value	Size
13_01	Number	ex) 1-10, 1, 11	0 Byte
<input checked="" type="checkbox"/> 13_02	Number	ex) 1-10, 1, 11	0 Byte
13_03	Number	ex) 1-10, 1, 11	0 Byte
<input checked="" type="checkbox"/> Insight_Work	Text	work, Not Assigned	3 MB
Main	Text		0 Byte
TEST	Text		0 Byte
test01	Number	ex) 1-10, 1, 11	0 Byte

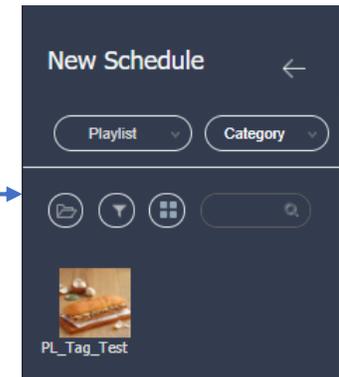
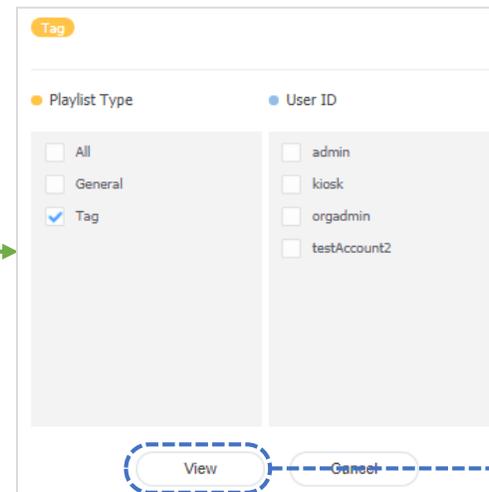
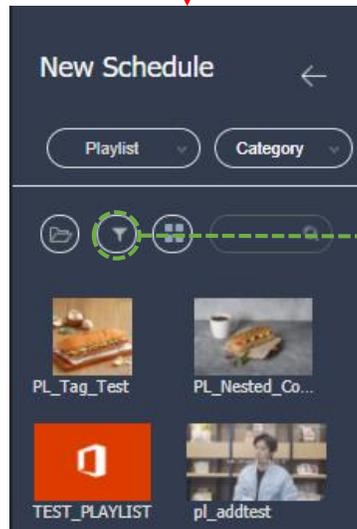
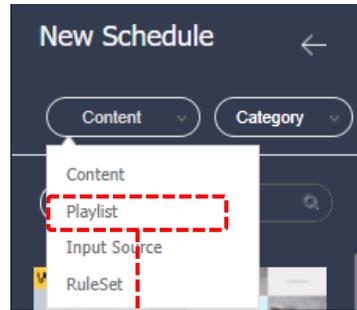
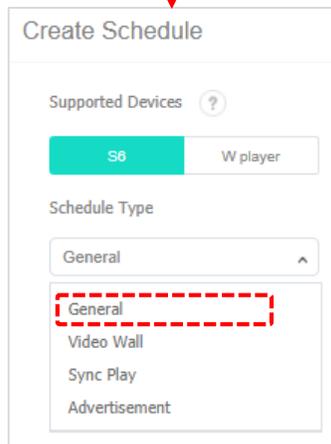
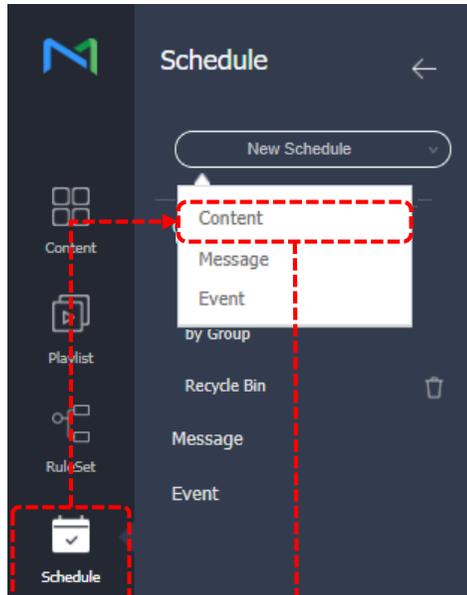
The 'Insight_Work' tag is selected, and its dropdown menu shows the following options: work, Ifd, Image, Not Assigned, and Select All. The 'Save' dialog shows the following settings: Playlist Name: [New Playlist] 2021-04-26 17:45:35, Group: default, Share: On, Off, Play Evenly: On, Off, Ignore Tag: On, Off, and Description: [Empty].

- Default Content Playing Duration
 - ✓ Define content playback default duration

✓ The content being played depends on the selected 'tag value'.

8.3 Create Schedule - Select Schedule Type

✓ Tag Playlist can be mapped only in General Schedule Type



✓ Filtering only the Playlist type is Tag

8.3 Create Schedule - Content Mapping

✓ Map content through Drag & Drop or '🔍' icons

Step 1: Drag & Drop

✓ Drag & Drop

Step 2: Select Content

Content Playlist Input Source RuleSet

All My Playlist

Type Playlist Name 🔍

PL_Tag_Test
Supported Devices : s6
File Size : 2 MB
Date Modified : about 29 minutes ago(2021-05-14 14:56)

Step 3: Create Schedule

Content 🔍 Lock

Repeat Once

Playback Date 2021-05-14 ~ 2021-05-14 Never Expire

Playback Time 07:00:00 ~ 09:59:59 24 hours

Save Cancel

Step 4: Final Schedule

Save Cancel

May 9 - 15, 2021 Today Monthly

9 Sun 10 Mon

06:00

07:00

08:00

09:00

10:00

08:30 - 10:29
PL_Tag_Test

✓ Click

✓ Click the time Area
✓ Drag the time Area



09

Video Wall Schedule

9.1 Set Video Wall Layout

✓ VWL Layout setting of devices belonging to the device group through VWL Layout Manager

- Select Device Group > VWL Layout Manager > Setting > New

The screenshot shows the 'Device' management interface. On the left is a sidebar with navigation icons for Content, Playlist, RuleSet, Schedule, and Device. The main area displays a list of devices under the 'Device' tab. At the top of the device list, there are action buttons: Edit, Delete, Move, Quick Control, Assign Tag, Export, and VWL Layout Manage. A dropdown menu is open under 'VWL Layout Manage', showing 'Setting' and 'New' (highlighted with a dashed orange box). Below the menu is a table of devices with columns for Device Name, MAC Address, Device Model, Resolution, and Player Version.

Device Name	MAC Address	Device Model...	Resolution	Player Version
D_Y_QB13R_1	d0-d0-03-32-da-77	QB13R-T	1920*1080	MagicInfo_SPlayer_Tizen_4.0
D_Y_QB13R_2	d0-d0-03-32-da-6e	QB13R-T	1920*1080	MagicInfo_SPlayer_Tizen_4.0

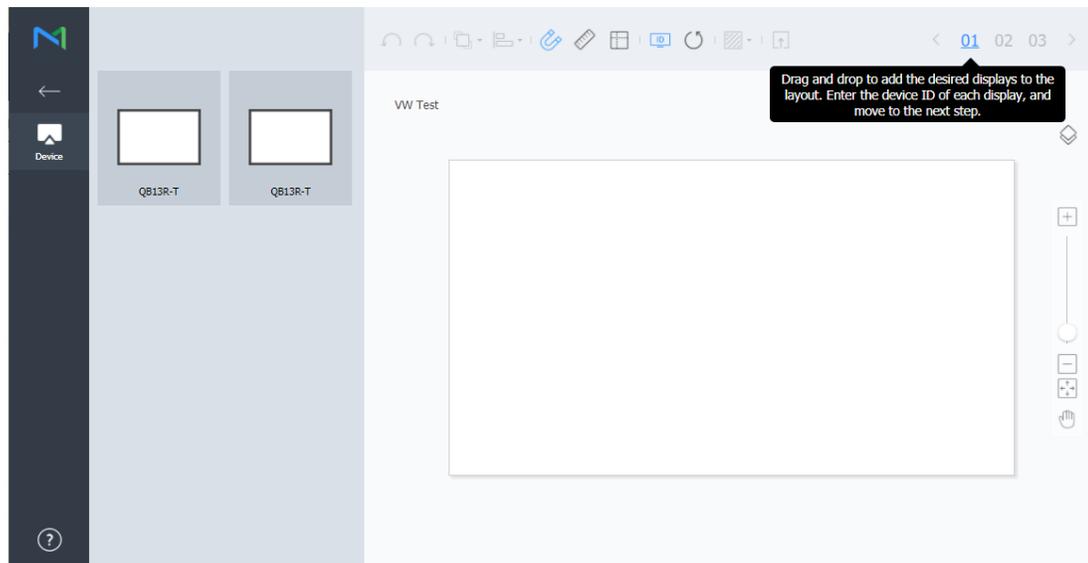
This dialog shows the 'Formal' layout configuration. The 'Layout Type' is set to 'Formal'. The 'Number of Display Devices in the Horizontal Direction' is set to 2, and the 'Number of Display Devices in the Vertical Direction' is set to 1. A 'Create' button is at the bottom.

This dialog shows the 'Informal' layout configuration. The 'Layout Type' is set to 'Informal'. The 'Number of Display Devices in the Horizontal Direction' is set to 2, and the 'Number of Display Devices in the Vertical Direction' is set to 1. A 'Create' button is at the bottom.

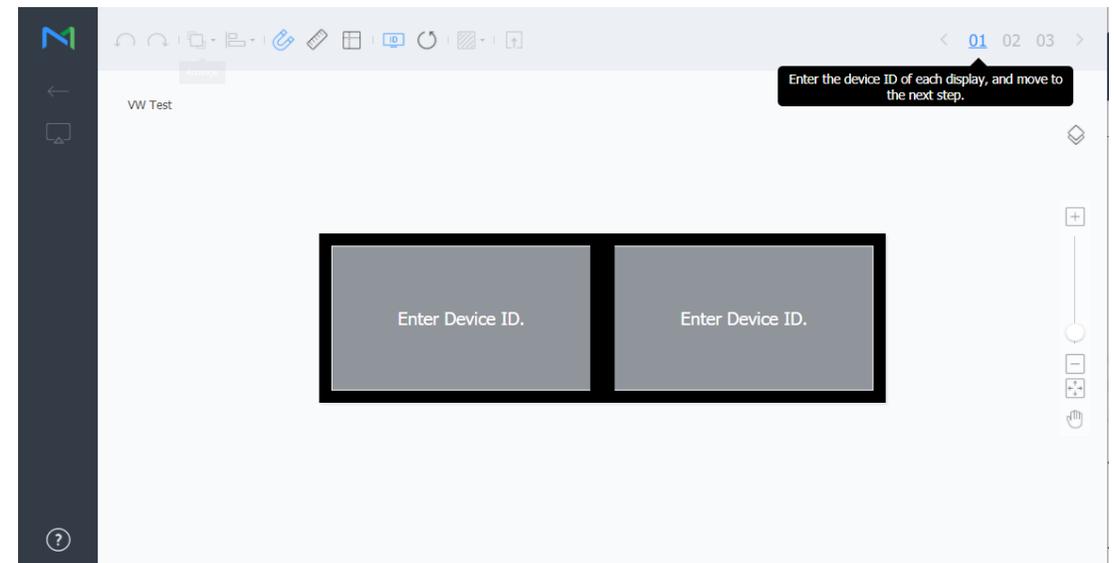
Formal	Arrange devices in a square shape such as 2x2 and 3x4 to form a fixed video wall
Informal	Customize the arrangement of devices to suit your preferences

9.1 Set Video Wall Layout

- ✓ The first step might differ according to the selected layout type
 - Informal: Customize the arrangement of devices to suit your preferences.
 - Formal: Arrange devices in standard layout such as 2x2 and 3x4 to form a fixed video wall.



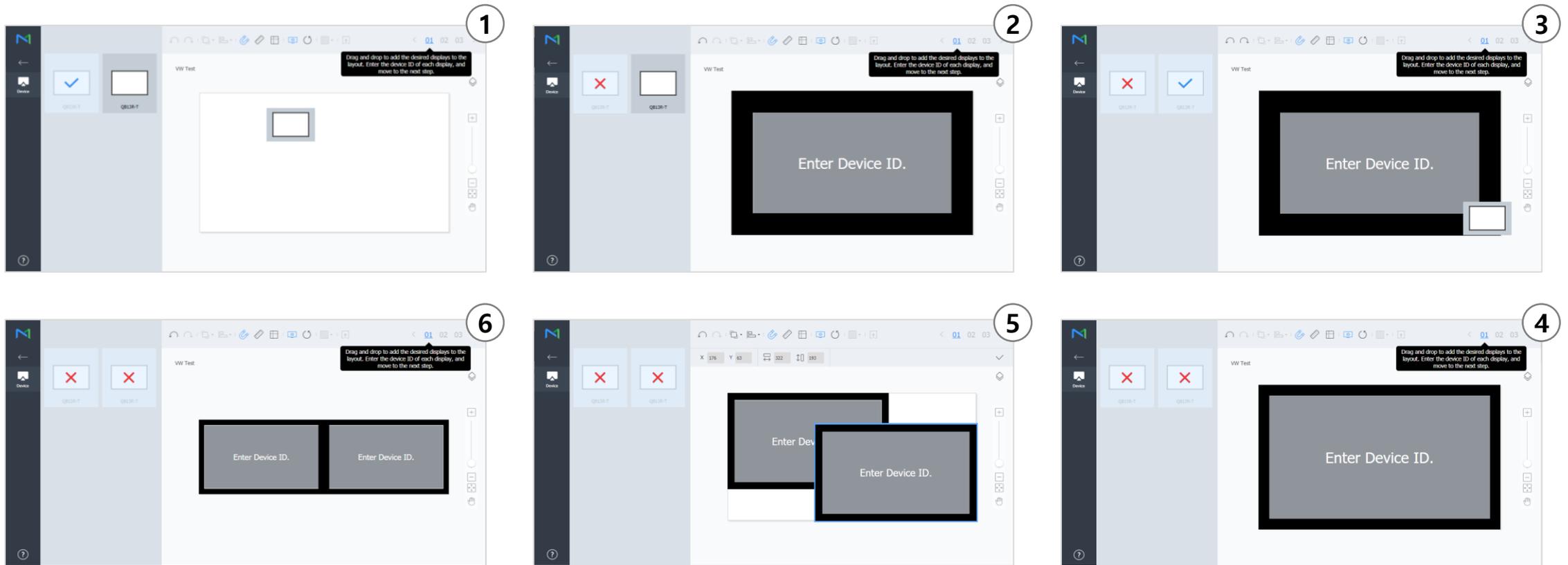
Informal



Formal

9.1 Set Video Wall Layout – Set Layout Position (Informal Only)

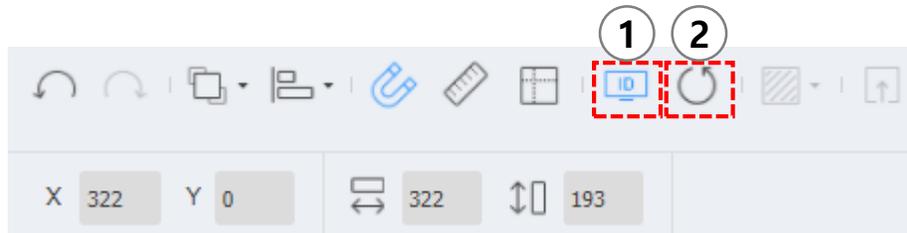
- ✓ Set Video Wall Layout if Layout Type is Informal
 - Mainly used when creating an amorphous layout.



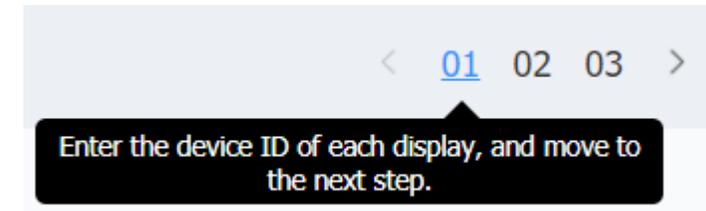
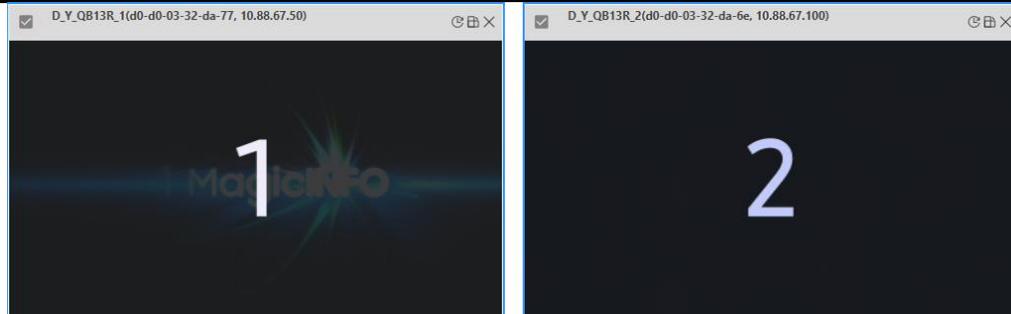
9.1 Set Video Wall Layout – Set Device ID

✓ Enter the device ID of each display

- Device ID is displayed on the device when using the menu at the top



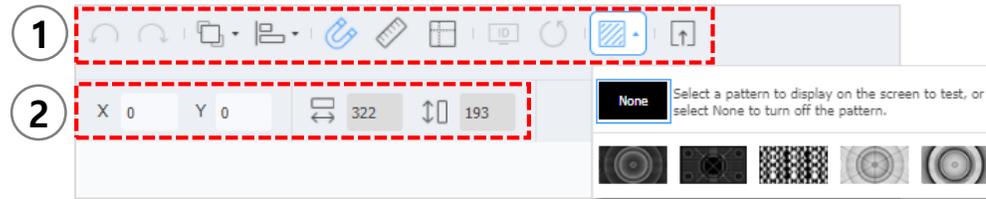
- | | |
|---|--|
| ① | Display the device ID on the relevant device screen. |
| ② | Initialize the device ID for that device. |



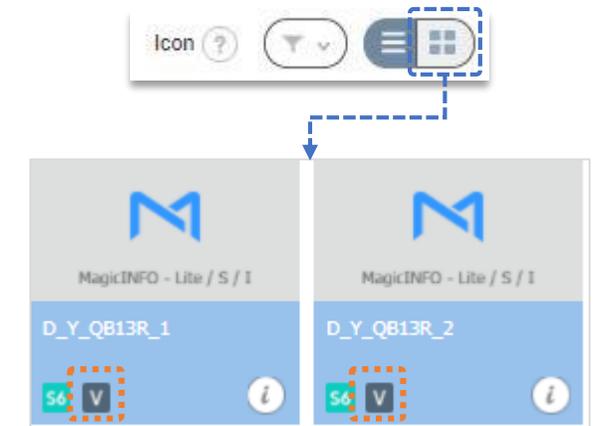
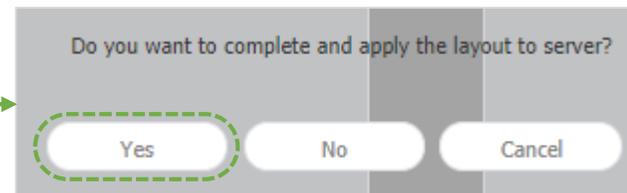
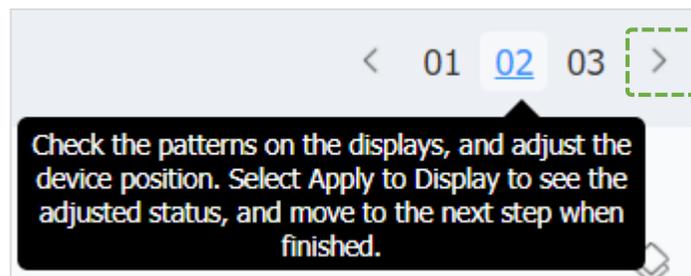
9.1 Set Video Wall Layout - Check the Real Layout

✓ Check the Patterns on the displays

- You can check if the layout is set properly using the Pattern icon



1		Undo the last command to revert back to the previous state.
		Redo a command that has been undone.
		Align several devices based on desired alignment criteria.
		Automatically arrange devices to fit the grid.
		Display the ruler.
		Display the guides.
		Select the test pattern to display on the device.
		Preview the device with the layout applied.
2		Adjust the device position more precisely.



- The 'V' icon is displayed on the device where VW Layout is set

9.2 Create Content – Playlist: Video Wall

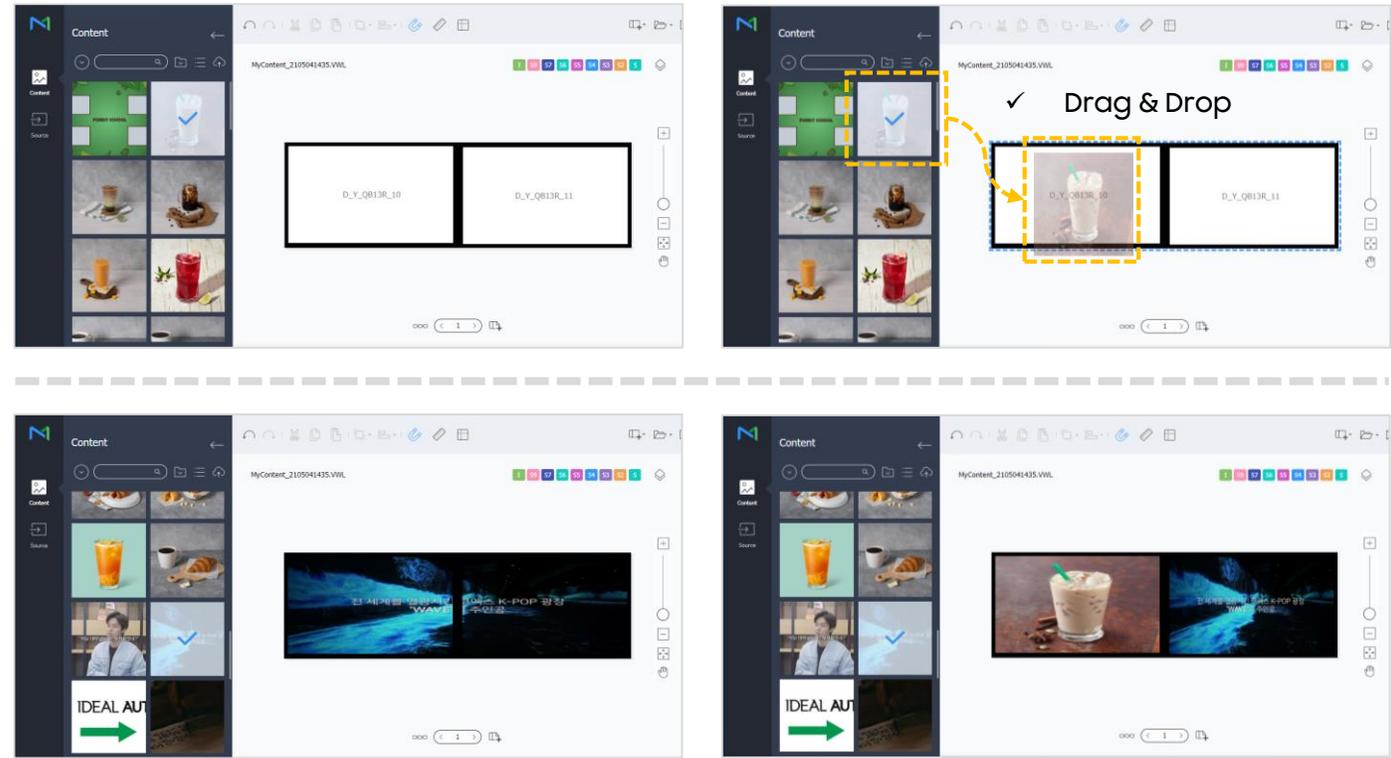
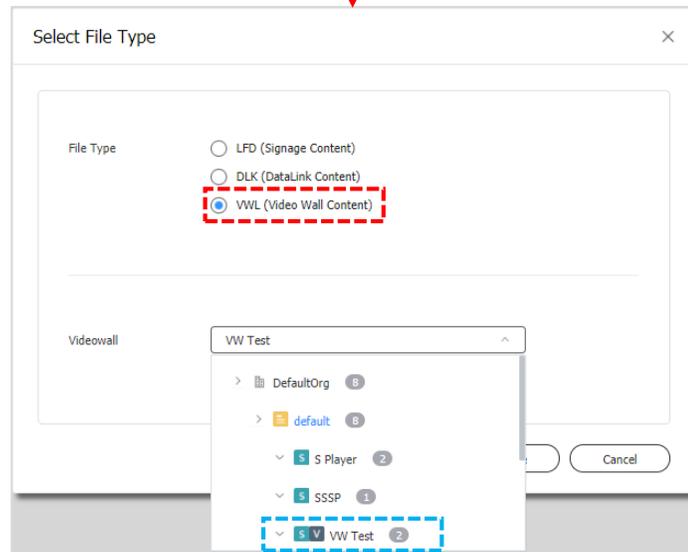
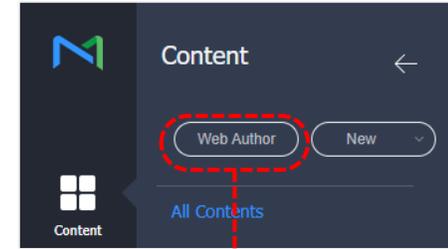
✓ Select Playlist type as Video Wall when creating playlist

The screenshot displays the 'New Playlist' and 'Edit Playlist' interface. On the left, the 'New Playlist' panel shows 'Supported Devices' with 'S6' and 'W player' options, and 'Playlist Type' set to 'Video Wall'. The main 'Edit Playlist' area shows a grid of content items. A 'Drag & Drop' action is highlighted with a yellow dashed box and arrow, moving a content item from the grid to the 'VW_Playlist' area. The 'VW_Playlist' area shows two content items with a duration of 0:0:5. A 'Save' dialog box is open in the bottom right, showing the playlist name 'VW_Playlist', group 'default', and share options 'On' and 'Off'. The 'Save' dialog also includes a 'Description' field and 'Save' and 'Cancel' buttons.

9.2 Create Content – Web Author: VWL Content

✓ Creating VWL Content from Web Author

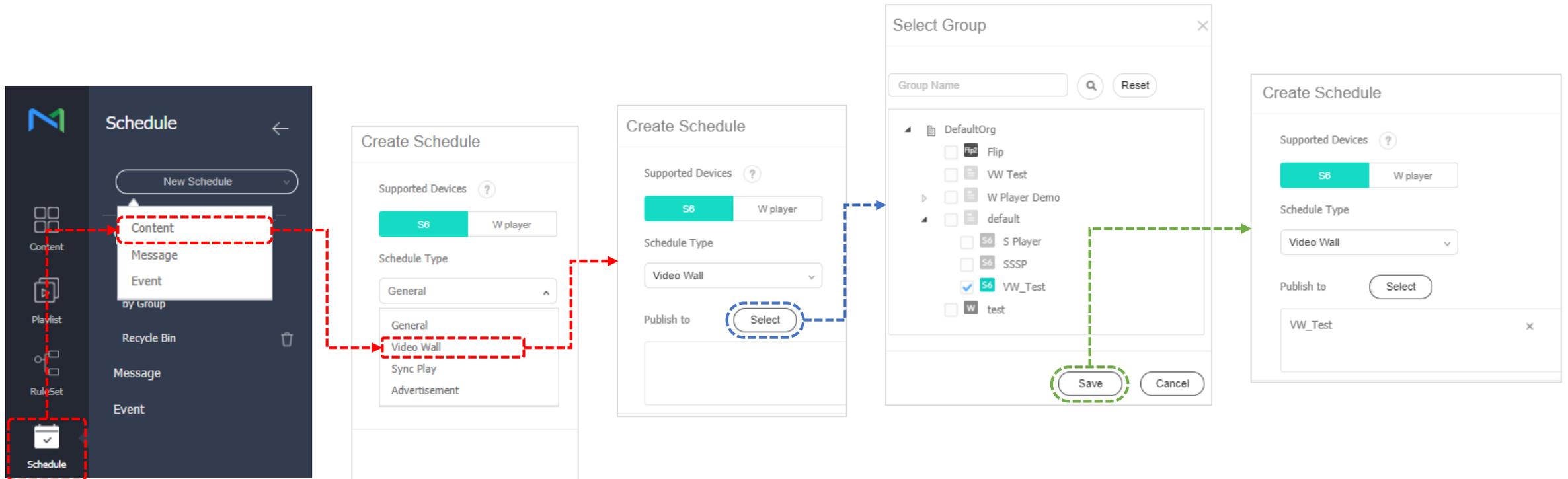
- Select a group with 'V' Icon



- Mapping different content to each device, or mapping one file to multiple devices.
 - ✓ If you adjust the file size, you can map one file to multiple devices.

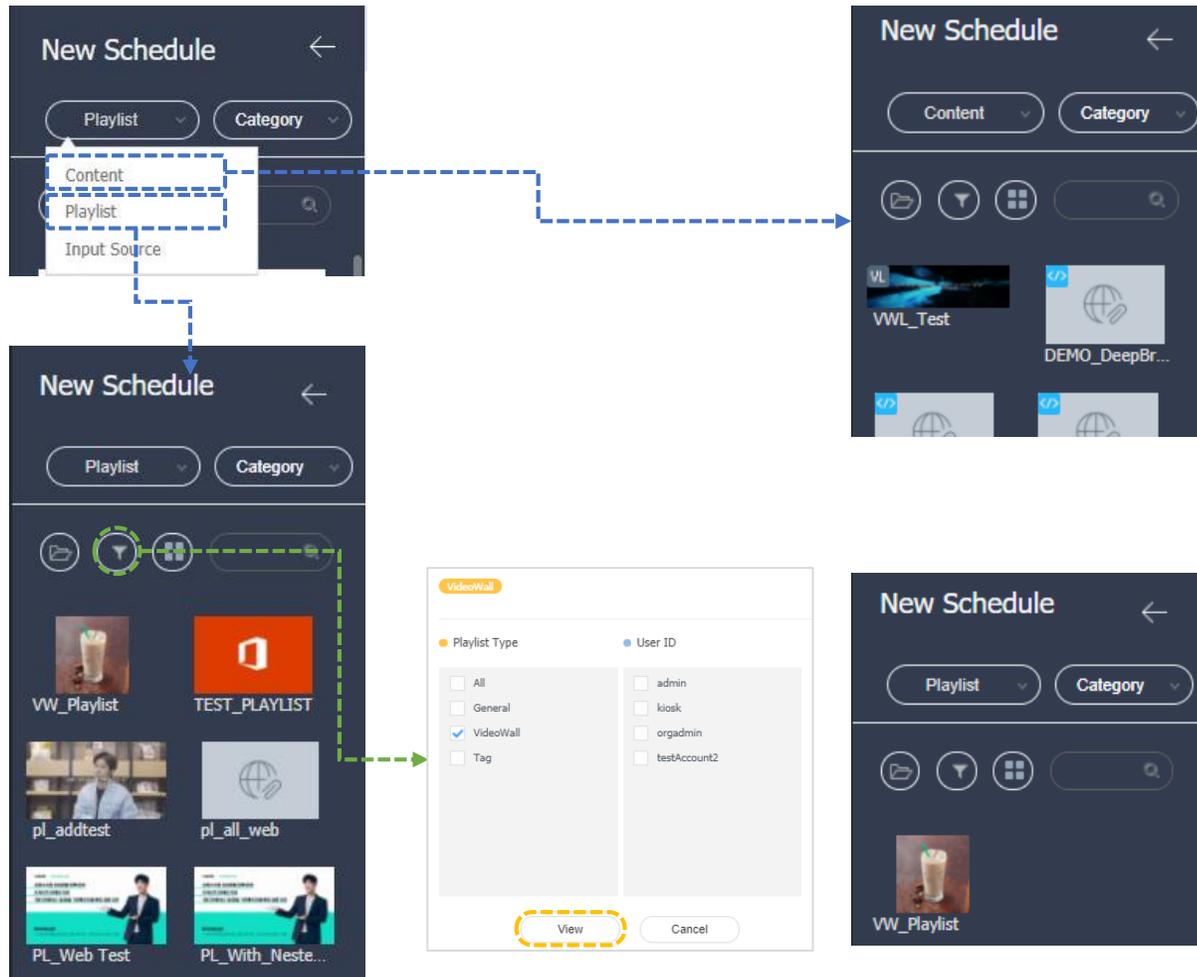
9.3 Create Schedule - Select Schedule Type

- ✓ Select a group to publish the schedule
 - Only devices set with a Video Wall Layout are activated.



9.3 Create Schedule – Content Filtering

✓ Content Filtering is possible



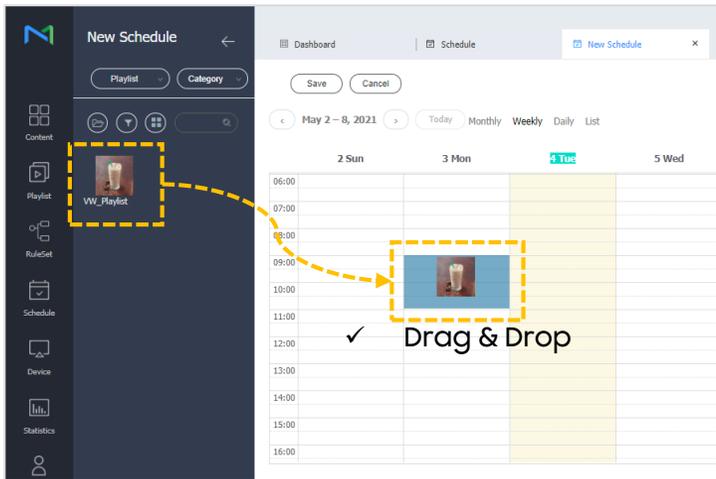
▪ Content filtering that can include VWL Content and configure Video Wall

▪ Filtering only if Playlist Type is VideoWall

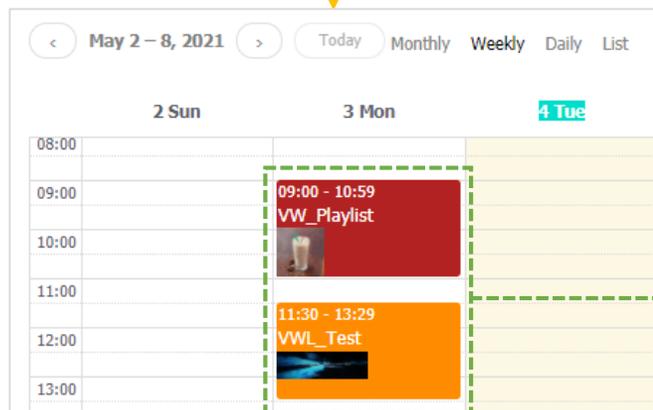
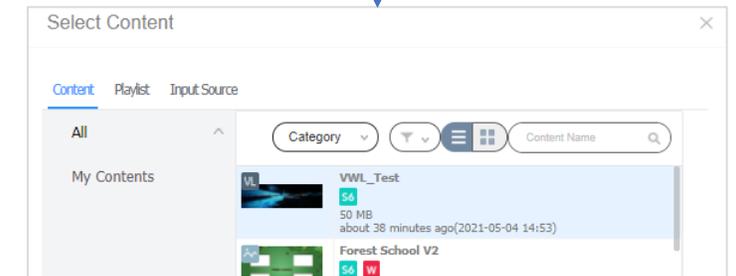
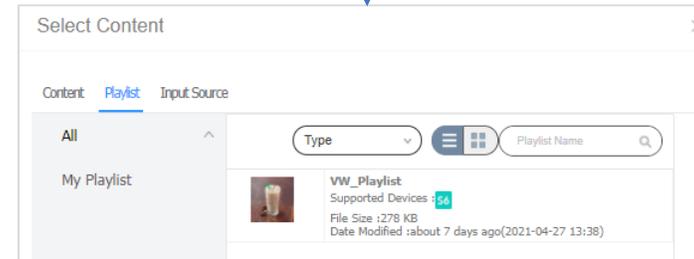
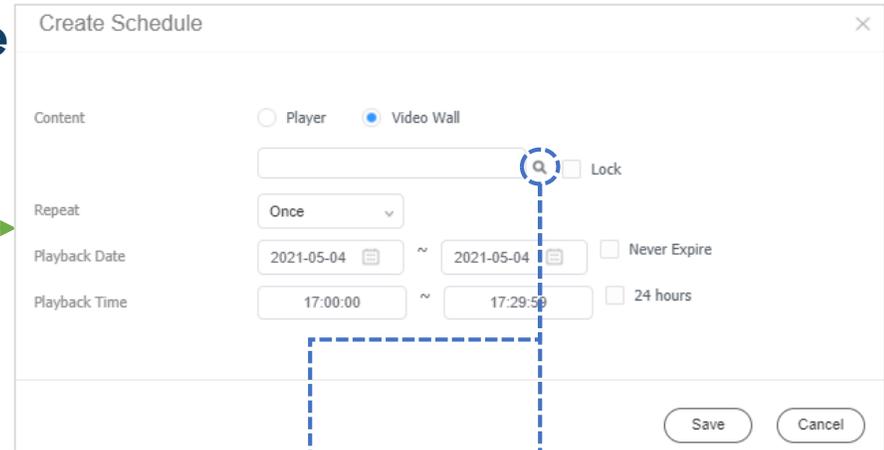
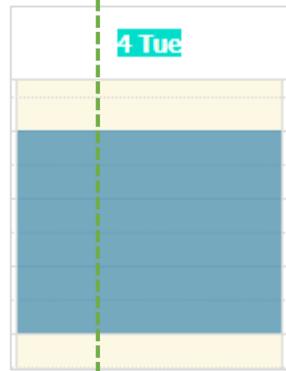
9.3 Create Schedule - Content Mapping

✓ Schedule mapping method

- Drag & Drop, Click, Drag the time Area & Release



- ✓ Click the time Area
- ✓ Drag the time Area



9.4 Result

- ✓ Even if the files are the same, the display result varies depending on the content type

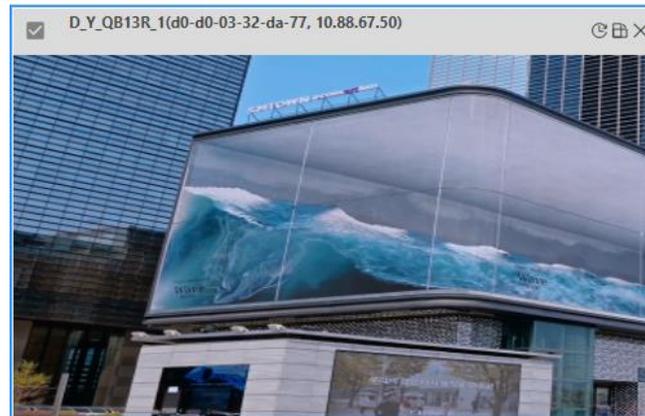
* VWL Content exception

Content Type: Player



- It is played like general content or Playlist.

Content Type: Video Wall



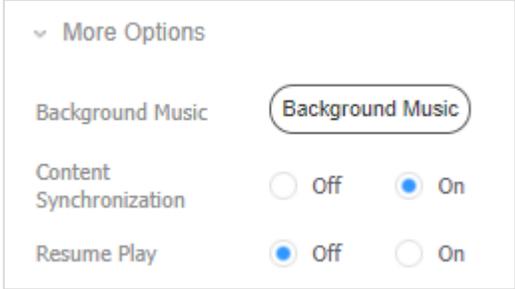
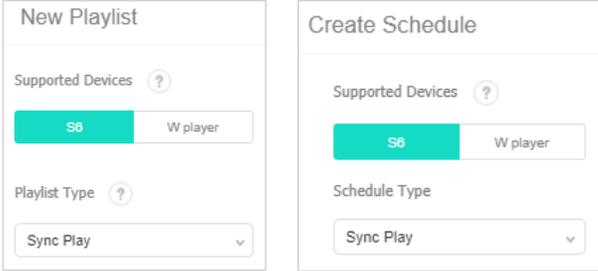
- The content is played because the grouped devices is treated like one device.



08 Sync Play Schedule

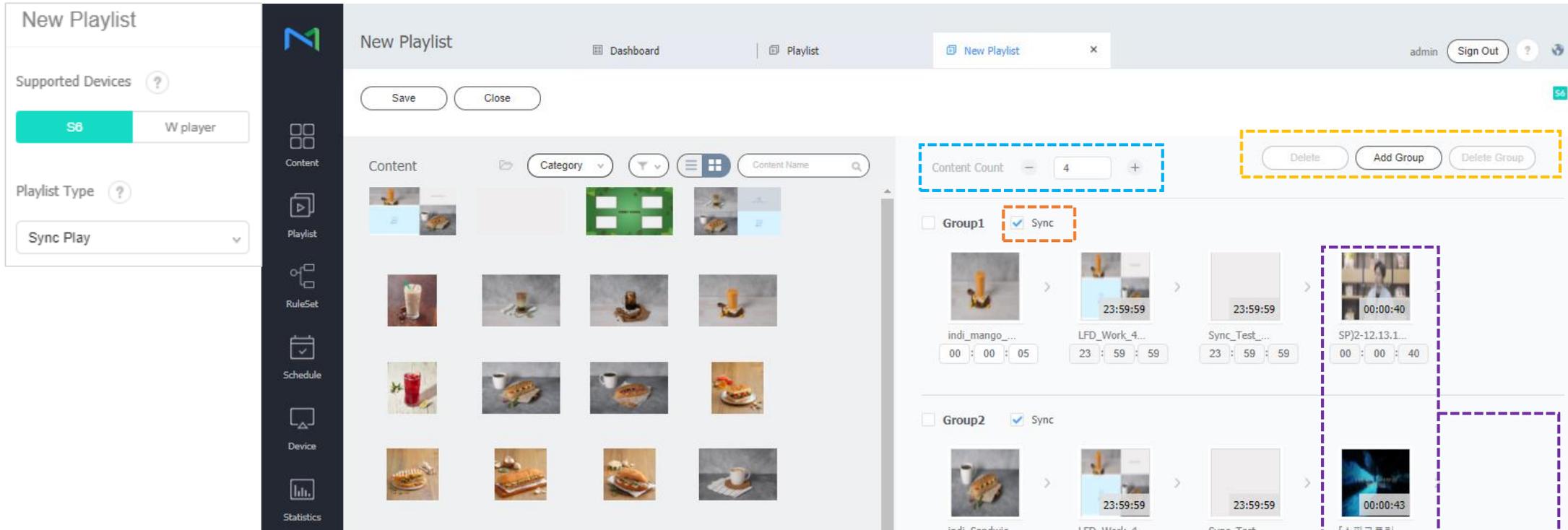
10.1 Overview – Kind of Sync Play

- ✓ Creation method depends on whether or not playing the same content

	Same Content	Different Content
How to	<ul style="list-style-type: none"> When publishing the schedule, Content Synchronization set to On. 	<ul style="list-style-type: none"> After create Playlist with Sync Play, Create schedule with Sync Play and publish it. 
Pre condition	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Tag
Performance	<ul style="list-style-type: none"> The content is synchronized and played for a set period of time 	<ul style="list-style-type: none"> The same or different content is synced and played during the set time. The set time is the Min. playback time among the paired content Ex) A Content: 15 sec, B Content: 30 sec → Content Display for 15 sec

10.2 Create Playlist

✓ Playlist where different content can be synced and played



- Supported File Type
 - ✓ LFD, Image, Movie, DLK

Content Count	Set the number of content files to apply to each playlist group during synced playback.
Delete	Delete content files from a playlist. Select at least one content file and click this menu.
Add Group	Add playlist groups.
Delete Group	Delete playlist groups. Select at least one group to delete and click this menu.
Sync	Select checkboxes of playlist groups to which to apply synced playback. Playlist groups with Sync deselected are excluded from synced playback. You can customize the number of content files included in a playlist and the content playback duration.

	Content A	Content B
Original Play Time	00:00:40	00:00:43
Real Play Time	00:00:40	00:00:40

10.2 Create Playlist – Sync vs UnSync

- ✓ UnSync groups operate individually without synchronization with other group

Sync in Sync Playlist

UnSync in Sync Playlist

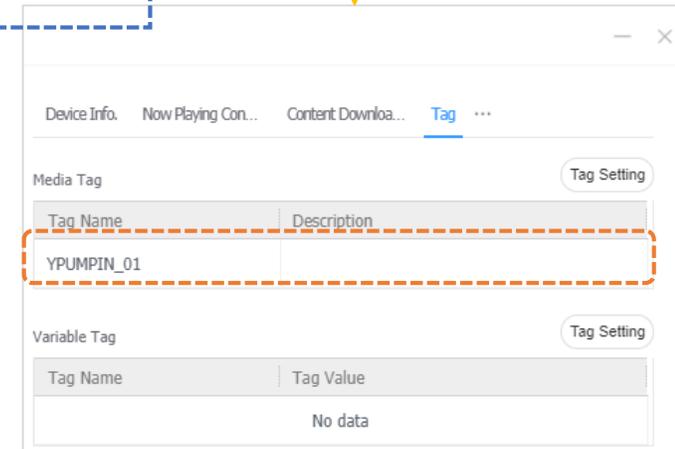
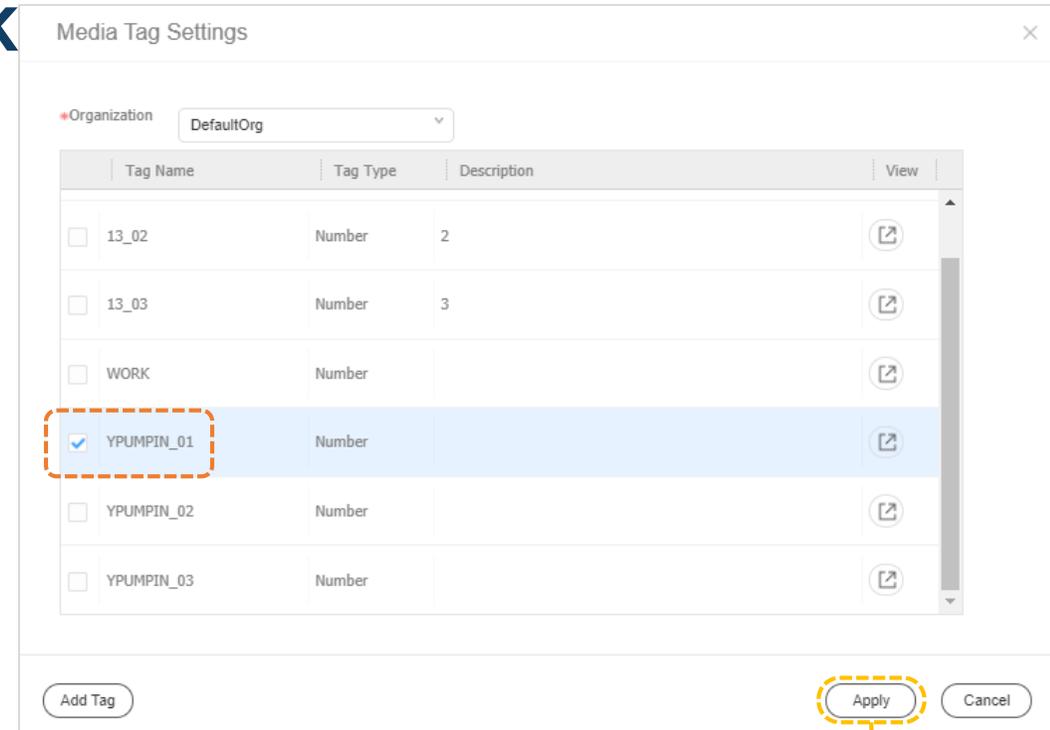
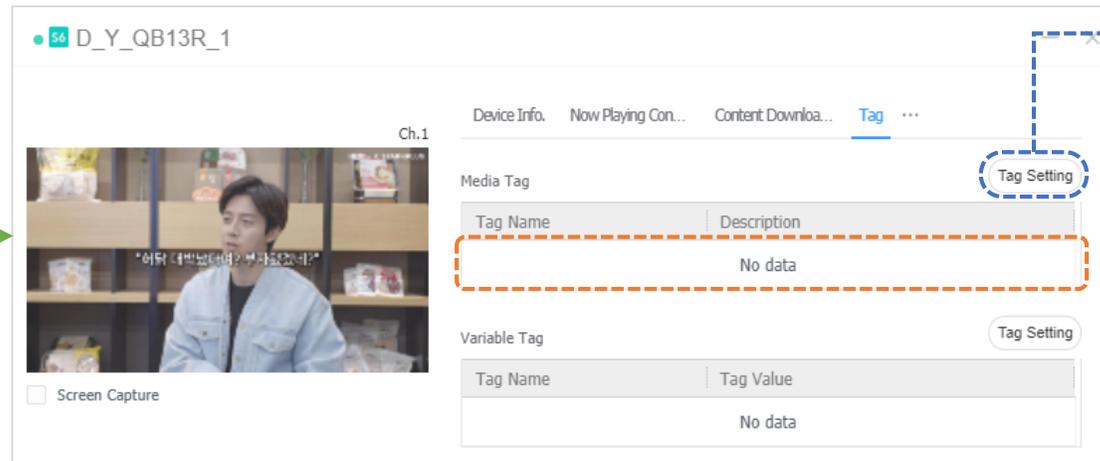
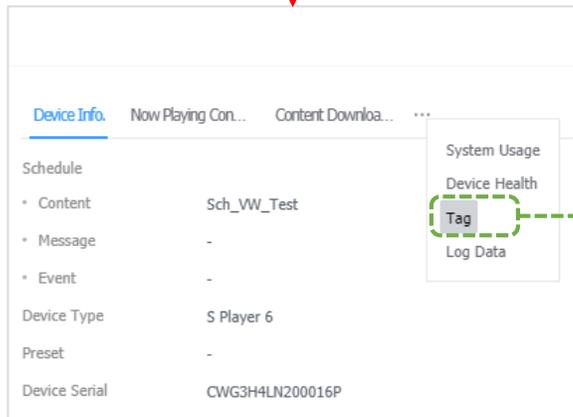
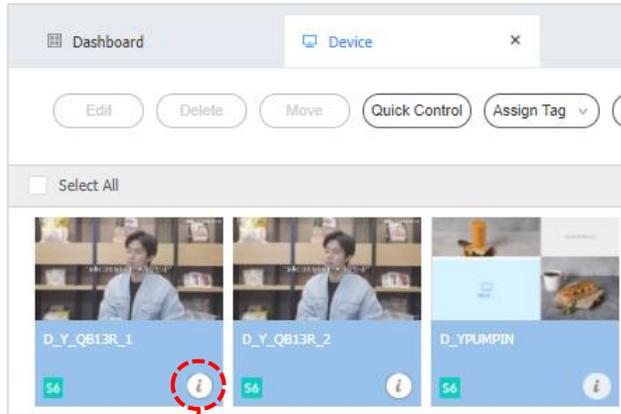
Creation Type

The screenshot shows a playlist interface with two groups. Each group has a 'Sync' checkbox checked. The items in each group are: Group 1: indi_mango_... (00:00:05), LFD_Work_4... (00:00:12), Sync_Test_... (23:59:59), SP)2-12.13.1... (00:00:40). Group 2: indi_Sandwic... (00:00:05), LFD_Work_4... (00:00:12), Sync_Test_... (23:59:59), [스파크플러... (00:00:43).

The screenshot shows a playlist interface with three groups. Each group has a 'Sync' checkbox unchecked. The items in each group are: Group 1: indi_mango_... (00:00:05), LFD_Work_4... (23:59:59), SP)2-12.13.1... (00:00:40). Group 2: indi_beef filo... (00:00:05), indi_pm_hon... (00:00:05). Group 3: ind_spicy_ro... (00:00:05), LFD_Work_4... (23:59:59), [스파크플러... (00:00:43).

10.3 Create Schedule – Tag Check

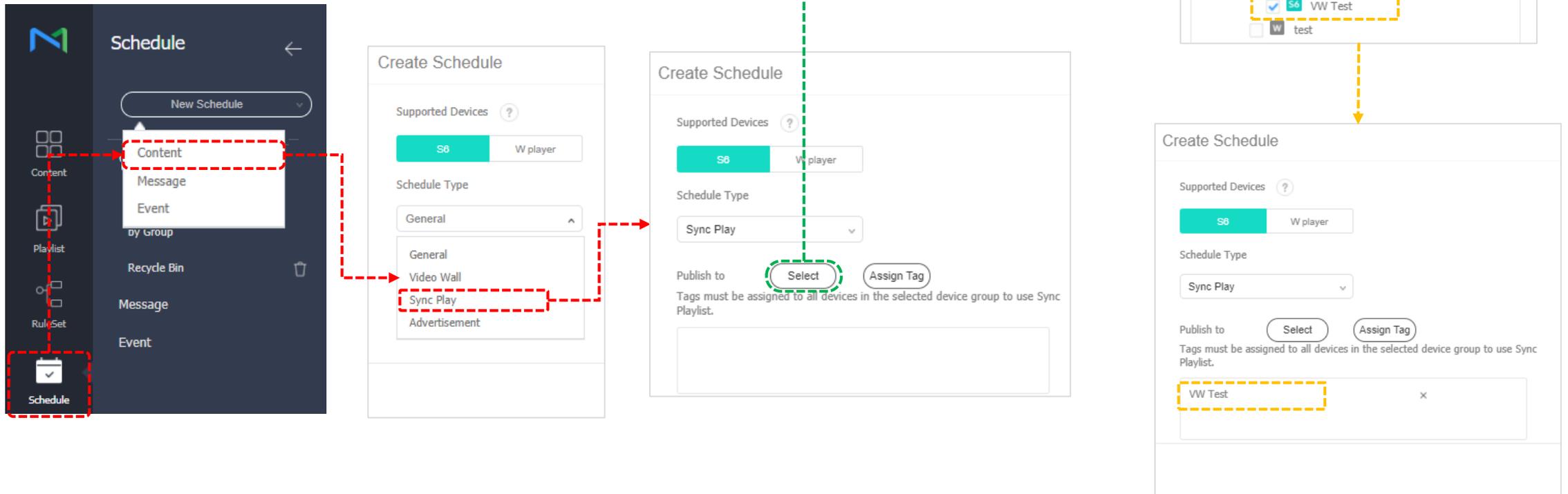
- ✓ Tag must be set on the device to publish Sync Playlist to the schedule



10.3 Create Schedule – Select Schedule Type

✓ Select a schedule to publish

Only the device group where Tag is set is enabled.



10.3 Create Schedule - Filtering

✓ Filtering is possible only when the Playlist Type is Sync Play



10.3 Create Schedule – Method #1

- ✓ Sync Play playlist types must be mapped to the Tag associated with the device group
 - Device group number = Playlist group number

Dashboard | Schedule | New Schedule

Save Cancel

May 9 – 15, 2021 Today Monthly Weekly Daily List

9 Sun 10 Mon 11 Tue

04:00
05:00
06:00
07:00
08:00
09:00

✓ Drag & Drop

Associated Tags

Select one or more tags for each group. Content in a group will be played on the device with the same tag.

All Tags Associated Tags

YPUMPIN_02
YPUMPIN_01

Group Sync Group

23:59:59 00:00:40

Group Sync Group

23:59:59 00:00:43

Associated Tags

Select one or more tags for each group. Content in a group will be played on the device with the same tag.

All Tags Associated Tags

YPUMPIN_01
YPUMPIN_02

Group Sync Group

23:59:59 00:00:40

Group Sync Group

23:59:59 00:00:43

10.3 Create Schedule – Method #2

✓ If you use the Create Schedule Popup, Tag mapping is possible after selecting content

✓ Click the time Area
✓ Drag the time Area

Create Schedule

Content Lock

Repeat

Playback Date ~ Never Expire

Playback Time ~ 24 hours

Select Content

Content

All

My Playlist

PL_SyncPlay
Supported Devices :
File Size :95 MB
Date Modified :about 2 hours ago(2021-05-11 13:55)

Create Schedule

Content Lock

Repeat

Playback Date ~ Never Expire

Playback Time ~ 24 hours

Associated Tags

Select one or more tags for each group. Content in a group will be played on the device with the same tag.

All Tags Associated Tags

YPUMPIN_02
 YPUMPIN_01

Group Sync Group

23:59:59 00:00:40

Group Sync Group

23:59:59 00:00:43

Associated Tags

Select one or more tags for each group. Content in a group will be played on the device with the same tag.

All Tags Associated Tags

YPUMPIN_01
 YPUMPIN_02

Group Sync Group

23:59:59 00:00:40

Group Sync Group

23:59:59 00:00:43



11 Advertisement Schedule

11.1 Overview – Contiguous Concept

✓ Playback example

Play Independently Enable

Start Date: 2021-05-09 Start Time: 10:00:00

End Date: 2021-05-15 End Time: 20:00:00

Contiguous ⓘ

Everyday Mon Tue Wed Thu Fri Sat Sun

No Contiguous

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	9	10	11	12	13	14	15
00:00:00							
01:00:00							
02:00:00							
03:00:00							
04:00:00							
05:00:00							
06:00:00							
07:00:00							
08:00:00							
09:00:00							
10:00:00							
11:00:00							
12:00:00							
13:00:00							
14:00:00							
15:00:00							
16:00:00							
17:00:00							
18:00:00							
19:00:00							
20:00:00							
21:00:00							
22:00:00							
23:00:00							

- Play from the set start to end time for the selected day

Contiguous

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	9	10	11	12	13	14	15
00:00:00							
01:00:00							
02:00:00							
03:00:00							
04:00:00							
05:00:00							
06:00:00							
07:00:00							
08:00:00							
09:00:00							
10:00:00							
11:00:00							
12:00:00							
13:00:00							
14:00:00							
15:00:00							
16:00:00							
17:00:00							
18:00:00							
19:00:00							
20:00:00							
21:00:00							
22:00:00							
23:00:00							

※ Green Color: Playback

- Play continuously from start date : start time to end date : end time

11.2 Create Content – Playlist: Advertisement

✓ Advertisement Schedule can be created only by Advertisement playlist type

The screenshot displays the 'Edit Playlist' interface. On the left, a 'New Playlist' sidebar shows 'Supported Devices' with 'S6' selected and 'W player' as an option. The 'Playlist Type' is set to 'Advertisement'. The main area shows a grid of content items. One item, 'indi_mango_passion', is highlighted with a dashed orange box. A yellow dashed arrow points from this item to a 'Drag & Drop' area in the 'PL_ADV_Drink' playlist, which currently contains two items: '스벅_아이스...' and 'indi_ice_vani...'. A 'Save' dialog box is open in the bottom right, with the following fields: 'Playlist Name' (PL_ADV_Drink), 'Group' (default), 'Share' (On), and 'Description' (empty). The dialog has 'Save' and 'Cancel' buttons at the bottom.

11.2 Create Content – Settings

✓ You can set different playback settings for each content

- Select Content → Click 'Settings' Button

✓ Multiple setting available

✓ Set Content Playback Time

✓ Set the period and time for the content to play

✓ Set the frequency of content playback.

✓ Play performance changes depending on whether or not there is a contiguous setting

11.3 Create Schedule – Select Schedule Type

✓ After selecting Schedule as Advertisement, set the Slot information

Number of Slots	Set the number of ad slots..
Slot Duration	Set playback duration for each content.

Content Type	Image / Video / etc.	
Content Setting in Playlist	None	10 sec
Real Playback Time	Slot Duration (ex. 5 sec)	10 sec

✓ If the time of the video is not set, it is played with the Slot duration set in the schedule.

11.3 Create Schedule – Content Mapping

- ✓ Advertisement Schedule type is automatically listed as only the playlist of this type is filtered.

The screenshot illustrates the process of creating a schedule and mapping content. On the left, the 'New Schedule' interface shows a sidebar with navigation options: Content, Playlist, RuleSet, Schedule, and Device. The main area displays a calendar view for '2021-04-25 ~ 2021-05-02'. A 'Drag & Drop' action is shown where the 'PL_ADV_Drink' playlist is being moved into 'Slot 1' on Sunday, April 25th, from 00:00:00 to 00:00:00. Below this, a detailed view of the schedule shows 'Slot 1' on Sunday, April 25th, from 00:00:00 to 23:59:59, containing the 'PL_ADV_Drink' playlist. A 'Slot 2' is also visible below 'Slot 1'.

The 'Create Program' dialog is open, showing the following details:

- Content: PL_ADV_Drink
- Start Time: 2021-04-25 00:00:00
- End Time: 2021-04-26 00:00:00
- Never Expire:

The 'Select Content' dialog is also open, displaying a list of playlists under the 'Playlist' tab. The selected playlist is 'PL_ADV_Drink'.

Annotations in the image include:

- ✓ Drag the time Area
- ✓ Click the time Area

11.4 Result

✓ The results displayed on the screen vary depending on the Playlist and Schedule settings.

- Play with alternating contents of Slot1 and Slot2

- ✓ Video Contents
 - Original Playback Time: 15sec, 30sec

< Play Date: Wednesday >

- Green: The contents of Slot 1
- Blue: The contents of Slot 2
- Red: Copied contents by Frequency Settings (Position: Random)

< Play Date: Thursday >

- Green: The contents of Slot 1
- Blue: The contents of Slot 2
- Gray: Not Play by Play Independently



12 Ruleset Schedule

12.1 Create Ruleset

- ✓ A rule can be created for conditional content playback

The image displays three screenshots from a mobile application interface for managing rulesets.

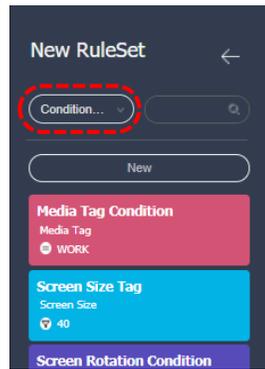
- Left Screenshot:** Shows the 'RuleSet' management screen. At the top, there is a 'New RuleSet' button. Below it, a sidebar menu lists 'All', 'By Group', 'Rule Management', 'Condition Rule', 'Play Rule', and 'Recycle Bin'. The 'Rule Management' section is highlighted with a red dashed box.
- Middle Screenshot:** Shows the 'Condition Rule' dialog box. At the top, there are three buttons: 'New' (circled in red), 'Edit', and 'Delete'. The dialog has a 'Name' field, a 'Type' dropdown menu currently set to 'Time', and a list of conditions including 'Time', 'Date', 'Device Name', 'IP Address', 'Device Model Name', 'Screen Rotation', 'Screen Size', 'Media Tag', and 'Datalink'. There is also an 'Invert Condition' checkbox and a 'Description' field. At the bottom, there are 'view', 'Save As', 'Save', and 'Cancel' buttons.
- Right Screenshot:** Shows the 'Play Rule' dialog box. It has a 'Name' field, a 'Type' dropdown menu set to 'Content', and a list of content types including 'Content' and 'Playlist'. There is a 'Content' field, a 'Default Duration' spinner set to '5' seconds, and a 'Description' field. At the bottom, there are 'Save As', 'Save', and 'Cancel' buttons.

- User can make condition and play tile in advance in Rule Management Menu

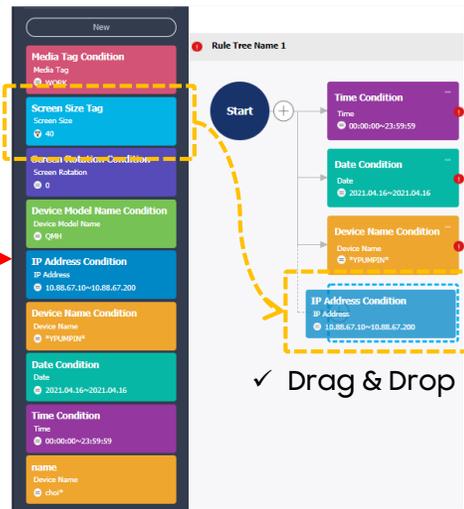
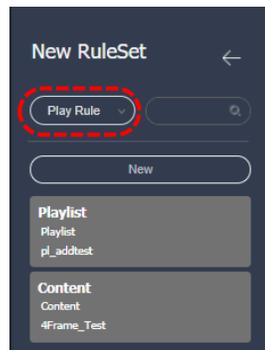
12.1 Create Ruleset

- ✓ When creating RuleSet, you can easily add the predefined Condition Rule and Play Rule to Drag & Drop.

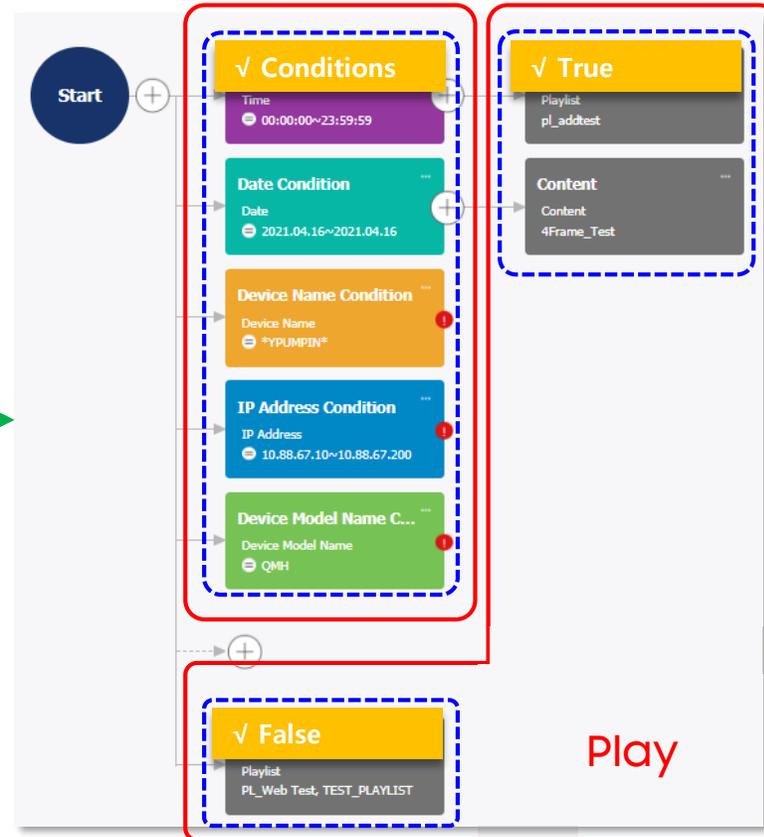
- ✓ Select Condition Rule



- ✓ Select Play Rule

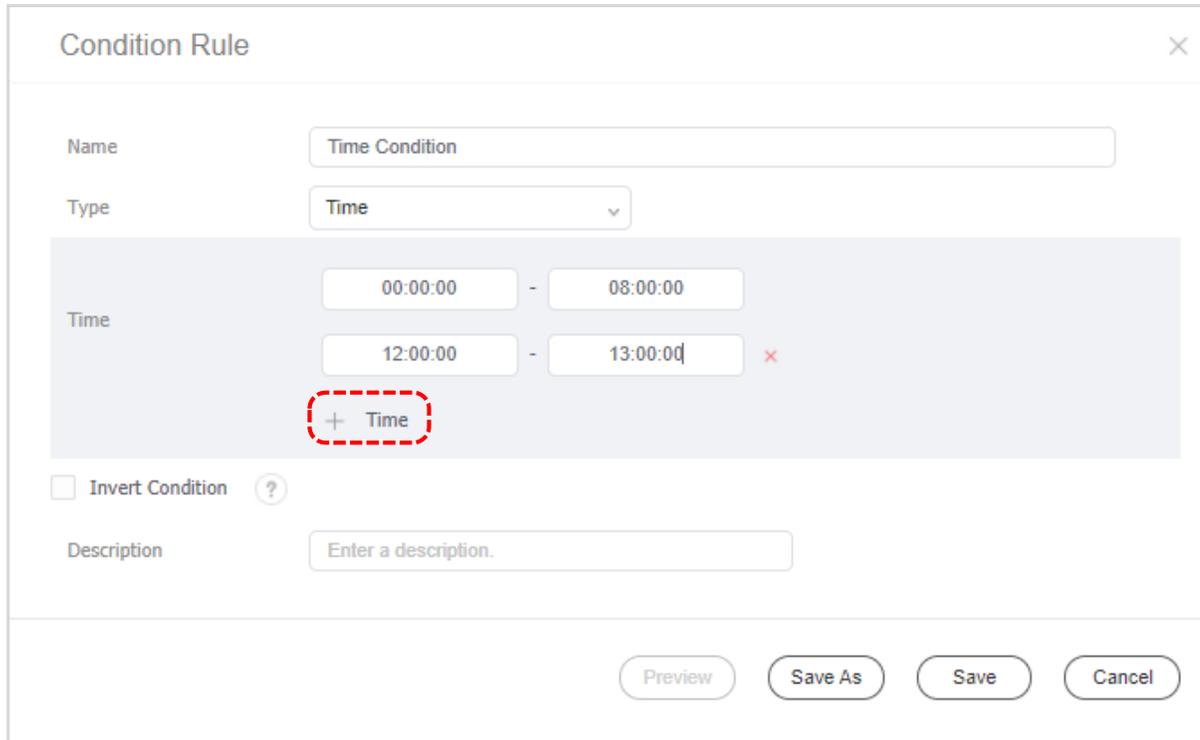


Conditions



Condition Value	Play Level
True	Same Level
False	Different Level

12.2 Create Ruleset - Time



The screenshot shows a 'Condition Rule' dialog box with the following fields and options:

- Name:** Time Condition
- Type:** Time
- Time:** A list of time ranges: 00:00:00 - 08:00:00 and 12:00:00 - 13:00:00. A red dashed box highlights a '+ Time' button below the list.
- Invert Condition:** Invert Condition ?
- Description:** Enter a description.
- Buttons:** Preview, Save As, Save, Cancel

- Run a desired rule in the set time. By clicking '+' icon, the time can be added.

12.2 Create Ruleset - Date

Condition Rule

Name: Date Condition

Type: Date

Repeat: Once (highlighted)

2021-04-30 +

2021.04.26 ~ 2021.04.30

Invert Condition

Description: Enter a description.

Preview Save As Save Cancel

Repeat: Once

2021-04-19 - 2021-04-19 +

2021.04.16 ~ 2021.04.16 x 2021.04.26 ~ 2021.04.30 x

Repeat: Weekly

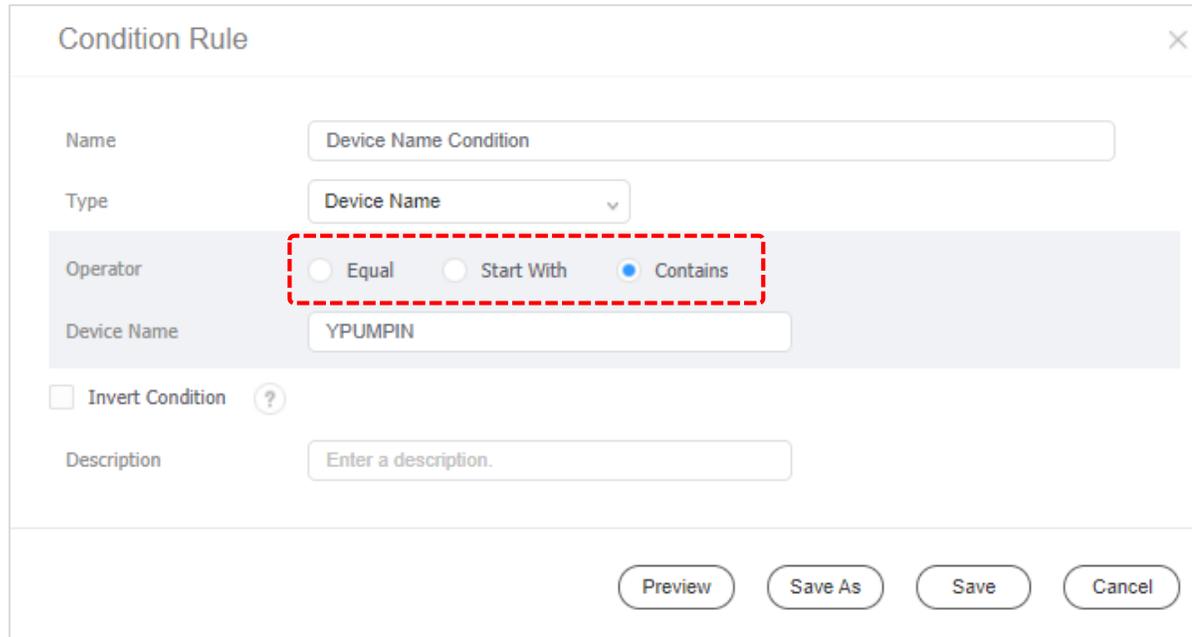
Mon Tue Wed Thu Fri Sat Sun

Repeat: Monthly

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31					

- Run a desired rule repeatedly in the set time (or day), daily, or monthly.
 - ✓ Once: You can set to run the rule once within the selected period. By clicking '+' icon, a period can be added.
 - ✓ Weekly: You can set to run the rule repeatedly on every day of the week.
 - ✓ Monthly: You can also set to run the rule repeatedly every month on the selected day. Multiple items can be selected.

12.2 Create Ruleset – Device Name



Condition Rule

Name: Device Name Condition

Type: Device Name

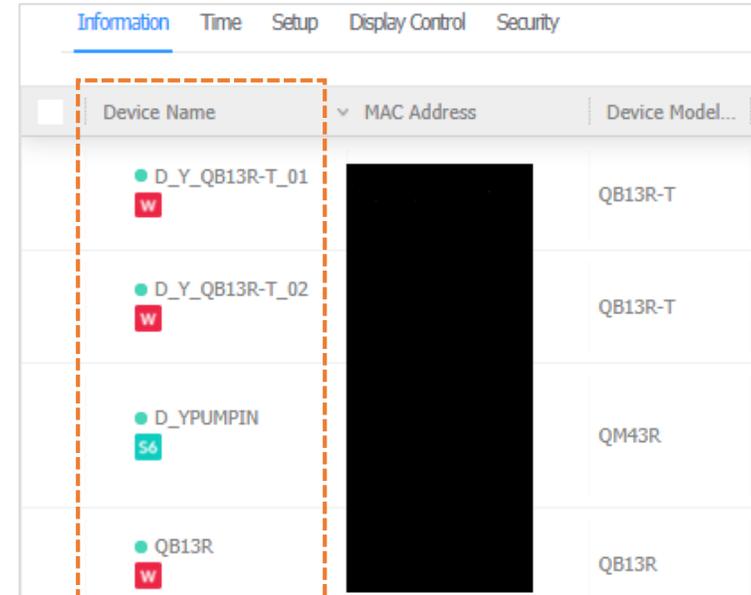
Operator: Equal Start With Contains

Device Name: YPUMPIN

Invert Condition ?

Description: Enter a description.

Preview Save As Save Cancel



Device Name	MAC Address	Device Model...
D_Y_QB13R-T_01		QB13R-T
D_Y_QB13R-T_02		QB13R-T
D_YPUMPIN		QM43R
QB13R		QB13R

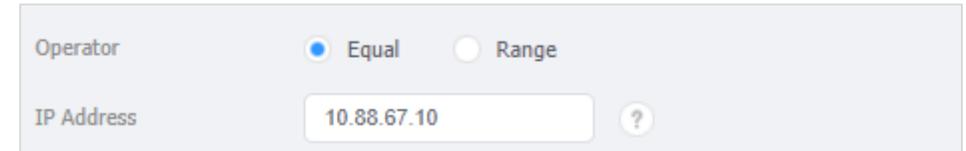
✓ You can find the Device Name from Information Tab of Device Menu

- You can run a desired rule through a device name. Enter the name of the device to run the rule.
 - ✓ To run the rule in the device that is the same as the device name, select Equal in Operator.
 - ✓ To run the rule in the device that is different from the device name, select Start With in Operator.
 - ✓ To run the rule if the specified content is included in the device name, select Contains in Operator.

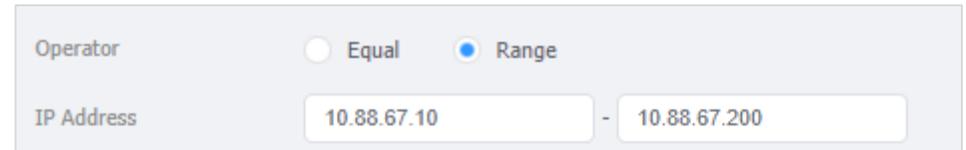
12.2 Create Ruleset – IP Address



The screenshot shows a 'Condition Rule' configuration window. The 'Name' field contains 'IP Address Condition'. The 'Type' dropdown is set to 'IP Address'. The 'Operator' section has two radio buttons: 'Equal' (unselected) and 'Range' (selected). The 'IP Address' field contains '10.88.67.10' and the 'IP Address' field contains '10.88.67.200'. There is an 'Invert Condition' checkbox (unchecked) and a 'Description' field with the placeholder text 'Enter a description.'. At the bottom, there are four buttons: 'Preview', 'Save As', 'Save', and 'Cancel'.



This close-up shows the 'Operator' section with the 'Equal' radio button selected. The 'IP Address' field contains '10.88.67.10'.



This close-up shows the 'Operator' section with the 'Range' radio button selected. The 'IP Address' field contains '10.88.67.10' and the 'IP Address' field contains '10.88.67.200'.

- The rule can be run by entering the IP address set for the device.
 - ✓ To run the rule when the device's IP is the same as the specified IP address, select Equal in Operator.
 - ✓ To run the rule when the device's IP is within the range of the specified IP address, select Range in Operator.

12.2 Create Ruleset – Device Model Name

Condition Rule

Name: Device Model Name Condition

Type: Device Model Name

Operator: Equal Start With Contains

Device Model Name: QM43R

Invert Condition ?

Description: Enter a description.

Preview Save As Save Cancel

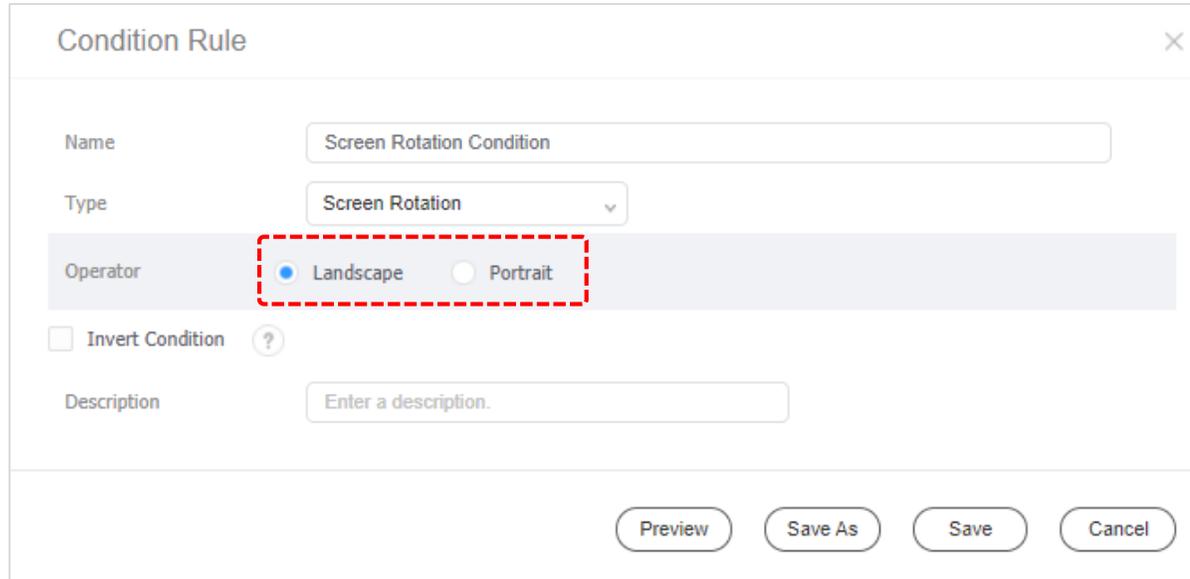
Device Name	MAC Address	Device Model...
D_Y_QB13R-T_01	[REDACTED]	QB13R-T
D_Y_QB13R-T_02	[REDACTED]	QB13R-T
D_YPUMPIN	[REDACTED]	QM43R
QB13R	[REDACTED]	QB13R

✓ You can find the Device Model Name from Information Tab of Device Menu

■ You can run a desired rule through a device model name. Enter the model name of the device to run the rule.

- ✓ To run the rule in the device that is the same as the device model name, select Equal in Operator.
- ✓ To run the rule in the device that is different from the device model name, select Start With in Operator.
- ✓ To run the rule if the specified content is included in the device model name, select Contains in Operator.

12.2 Create Ruleset – Screen Rotation



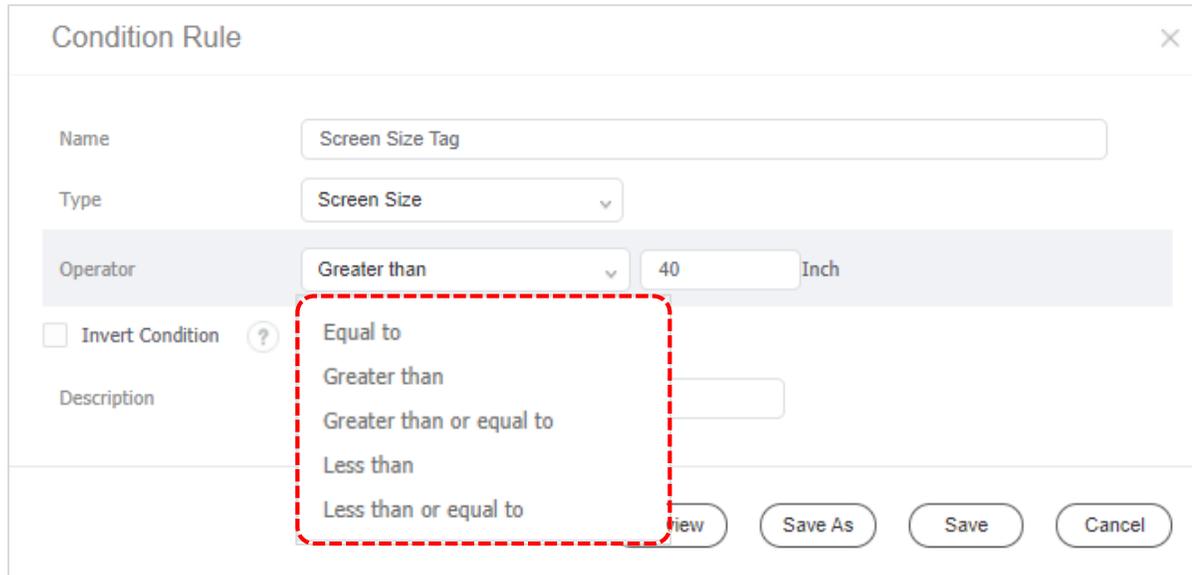
The screenshot shows a 'Condition Rule' dialog box with the following fields and options:

- Name:** Screen Rotation Condition
- Type:** Screen Rotation
- Operator:** Landscape (selected), Portrait
- Invert Condition:** Invert Condition ?
- Description:** Enter a description.

Buttons at the bottom: Preview, Save As, Save, Cancel.

- Set to run a desired rule based on the screen rotation mode of a device. In Operator, select Horizontal or Vertical.

12.2 Create Ruleset – Screen Size



The screenshot shows a 'Condition Rule' dialog box with the following fields and options:

- Name:** Screen Size Tag
- Type:** Screen Size
- Operator:** Greater than (selected), 40, Inch
- Invert Condition:** (unchecked)
- Description:** (empty)
- Operator Selection Menu:** A dropdown menu is open, showing the following options: Equal to, Greater than, Greater than or equal to, Less than, and Less than or equal to. The 'Greater than' option is highlighted with a red dashed border.
- Buttons:** View, Save As, Save, Cancel

- Set to run a desired rule based on the screen size of a device. Enter the screen size (inch) and then select Operator.

12.2 Create Ruleset – Media Tag

Condition Rule

Name: Media Tag Condition

Type: Media Tag

Operator: Full Match Partial Match

Tag: WORK

Invert Condition

Description: Enter a description.

Buttons: Preview, Save As, Save, Cancel

Variable Tag Settings

Organization: All

Tag Name	Description	View
<input type="checkbox"/> 13_03	3	
<input type="checkbox"/> Insight_Work		
<input type="checkbox"/> TEST		
<input type="checkbox"/> test01	1	
<input checked="" type="checkbox"/> WORK		
<input type="checkbox"/> 휴먼스		

Buttons: Add Tag, Apply, Cancel

Device Tag	Condition Rule's Tag	Full Match	Partial Match
Main, WORK	Main, WORK, YPUMPIN_01	True	True
	Main, WORK, YPUMPIN_02	True	True
Main, WORK, YPUMPIN_01	Main, WORK, YPUMPIN_01	True	True
	Main, WORK, YPUMPIN_02	False	True

- You can set to run the rule based on the media tags. In Operator, select Full Match or Partial Match

12.2 Create Ruleset - Datalink

Condition Rule

Name:

Type:

DataLink Table:

Tag:

Datalink Tag:

Tag Logic: And Or

Data Type: Text Number

Operator: Equal Not Equal

Polling Interval:

Data:

Invert Condition

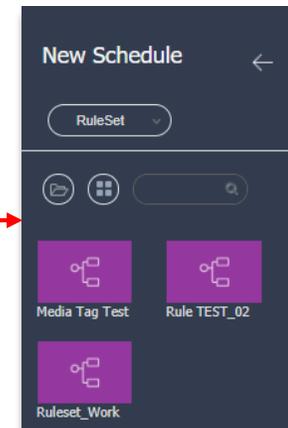
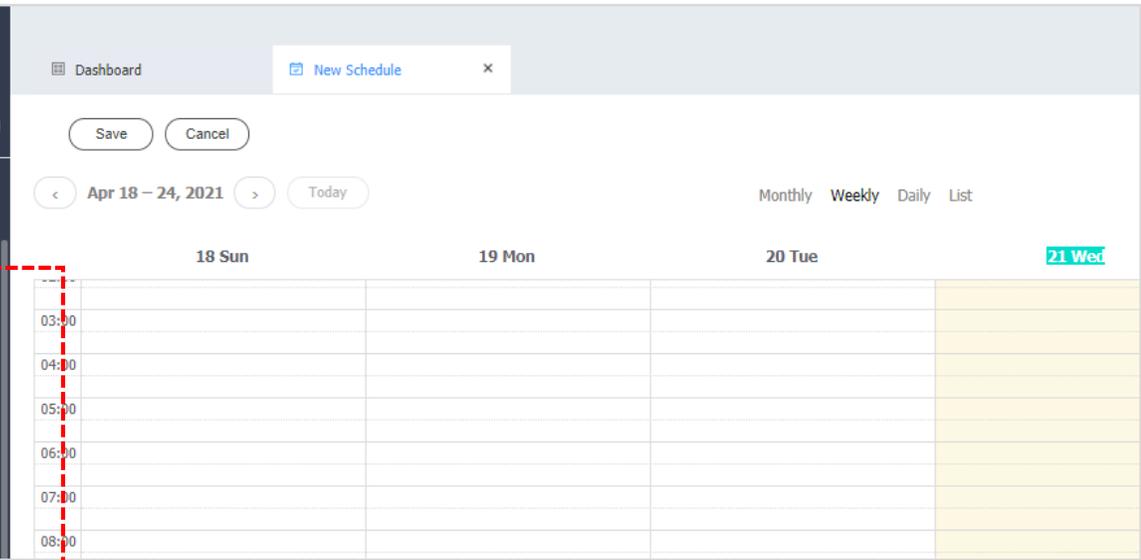
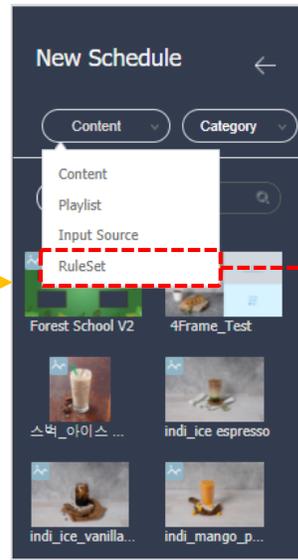
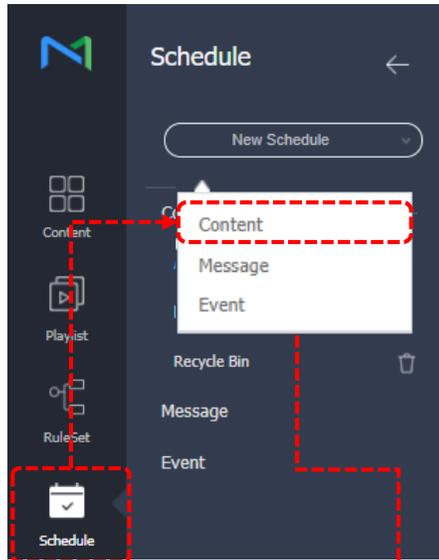
Description:

Datalink							
	IDX	DL_REQ	DL_PATI	DL_PATI	DL_CALL	DL_CALL	DL_DOC1
YWS80							
Default XML Module							
HQT_XML							
XML_Table							
Default Excel Module							
Default Web Module							
Default Json Module							
80SSL							
	1				Text0	Image0	Video0
	2				Text2	Image2	Video2
	3				Text3	Image3	Video3
	4				Text4	Image4	Video4
	5				Text5	Image5	Video5

- Set the following items that are related to data. Set to run a desired rule that meets the set conditions.
 - ✓ DataLINK Table: Select after searching from the DataLINK table.
 - ✓ Tag: Select media tags.
 - ✓ DataLINK tags: Select DataLINK tags.
 - ✓ Tag Logic: Select any condition of And or Or.
 - ✓ Operator: Select any method of Equal or Not Equal.
 - ✓ Data: Enter desired data.

12.3 Scheduling – Schedule Type: General

✓ You can create schedule with RuleSet



12.3 Scheduling - Content Mapping

✓ Schedule creation method

- Drag & Drop, Double Click, Drag the time Area

✓ Drag & Drop

04:00 - 05:59
Rule TEST_02

07:00 - 08:59
Media Tag Test

- ✓ Click the time Area
- ✓ Drag the time Area

Create Schedule

Content Lock

Repeat Once

Playback Date 2021-04-18 ~ 2021-04-18 Never Expire

Playback Time 01:00:00 ~ 01:29:59 24 hours

Save Cancel

Content Playlist Input Source RuleSet

All

Media Tag Test
S6
about 15 hours ago(2021-04-20 17:29)

Rule TEST_02
S6
about 5 days ago(2021-04-15 14:51)

Ruleset_Work
S6
about 7 days ago(2021-04-13 12:53)

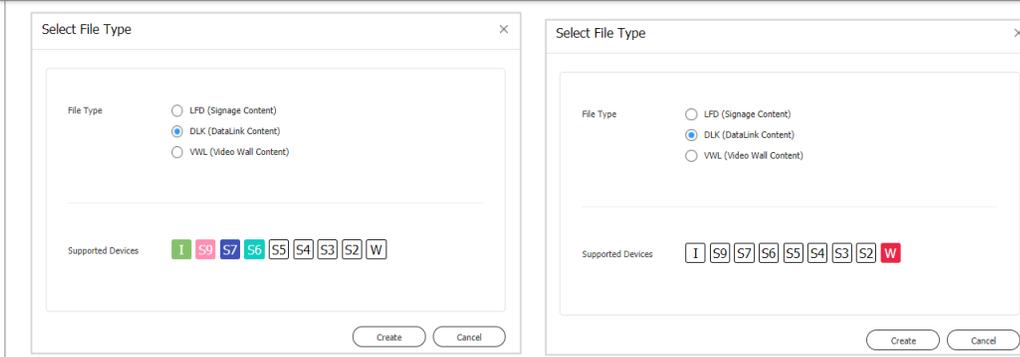
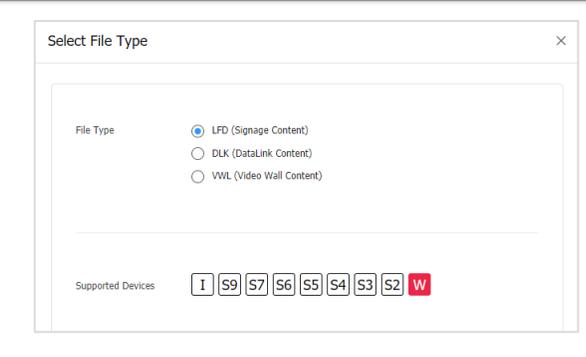
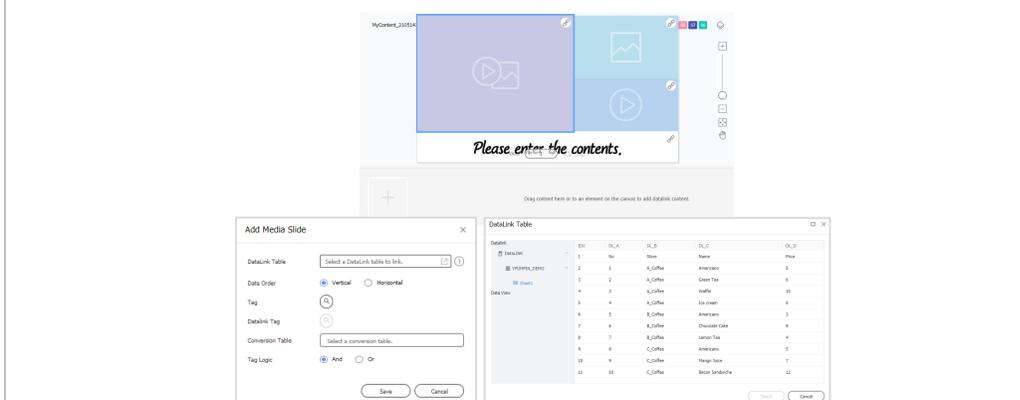
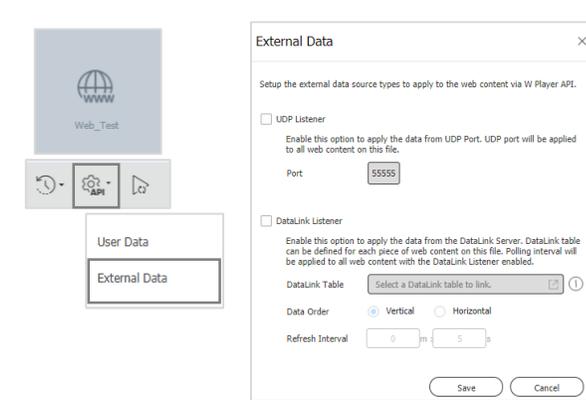
Select Close



13 DataLINK Schedule

13.1 Overview – Mapping Method

- ✓ The W player can use external data to DataLINK Data Mapping in the web content.

	S/W Player	W Player
Basic File Type		
How to Mapping	 <ul style="list-style-type: none">■ You can map the DataLINK Data in the DLK File Type.	 <ul style="list-style-type: none">■ For Web Content, DataLINK data can be mapped using DataLink Listener.

13.1 Overview – Convert Table

✓ When creating LFT or DLK, you can create a Convert Table.

The process of creating a Convert Table is shown in four main steps:

- Accessing the Feature:** In the top-left screenshot, the 'Edit Conversion Table' option is highlighted in a red dashed box in the control panel.
- Opening the Dialog:** The 'Conversion Table' dialog is shown in the middle-left, with the 'Add' button highlighted in a yellow dashed box.
- Configuring the Table:** The 'Add Conversion Table' dialog is shown in the middle-right. The 'Type' dropdown is set to 'Image' (circled in red), and the 'To' field has a 'Select' button highlighted in a blue dashed box. The text 'Add Convert Item' is visible next to the 'To' field.
- Selecting Images:** The 'Select Image' dialog is shown in the top-right, with a list of images and a 'Select' button highlighted in a blue dashed box.
- Adding Items:** The 'Add Conversion Table' dialog is shown in the bottom-middle. The 'From' field contains 'A_Coffee', 'B_Coffee', and 'C_Coffee'. The 'To' field contains three coffee images. The 'Save' button is highlighted in a yellow dashed box.
- Final Table:** The 'Conversion Table' dialog is shown in the bottom-right, displaying a table with columns 'Name' and 'Type'. The table contains the following items:

Name	Type
<input checked="" type="checkbox"/> Coffee	IMAGE
<input type="checkbox"/> Text_Announcement	TEXT
<input type="checkbox"/> Convert_Video	VIDEO
<input type="checkbox"/> Convert_Mixed	MEDIASLIDE

The 'Add' button is highlighted in a yellow dashed box.

✓ Create Convert Table each Type

13.2 Create Content

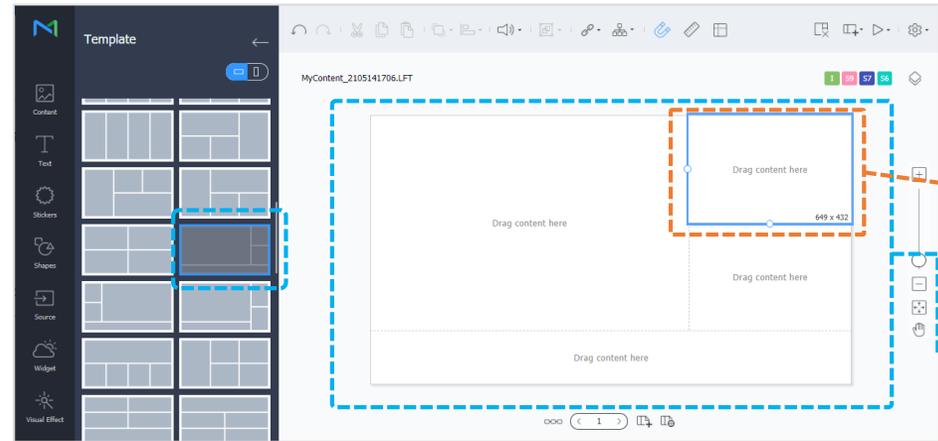
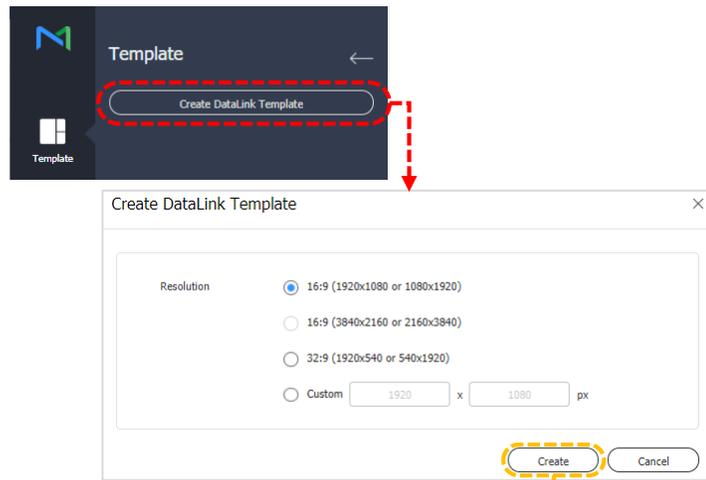
✓ You can create DLK Content in Web Author

The image illustrates the process of creating DLK content in Web Author through several steps:

- Content Menu:** The 'Web Author' option is highlighted in the 'Content' menu.
- Select File Type Dialog:** The 'DLK (DataLink Content)' option is selected under 'File Type'. The 'Create' button is highlighted.
- Template Selection:** A 'Template' selection screen is shown with a 'Create DataLink Template' button highlighted.
- Create DataLink Template Dialog:** A dialog box prompts the user to 'Select a template to create DataLink content.' A text box notes: 'If there is no LFT, click the 'Create DataLINK Template' to create the LFT Content.'

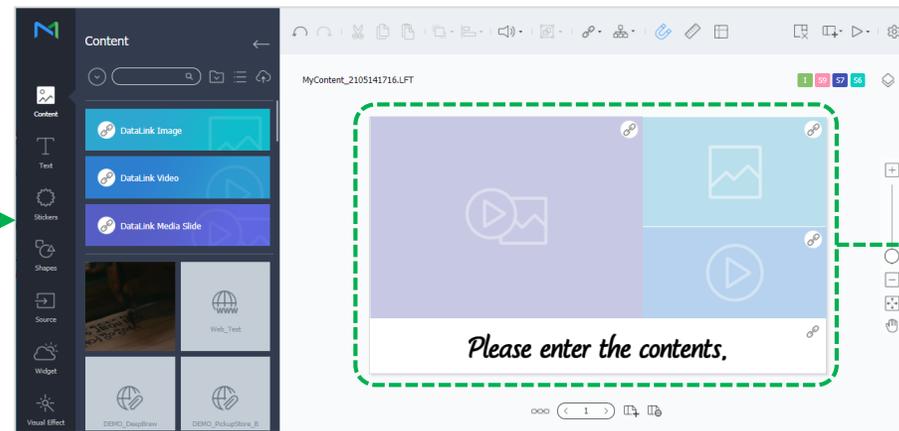
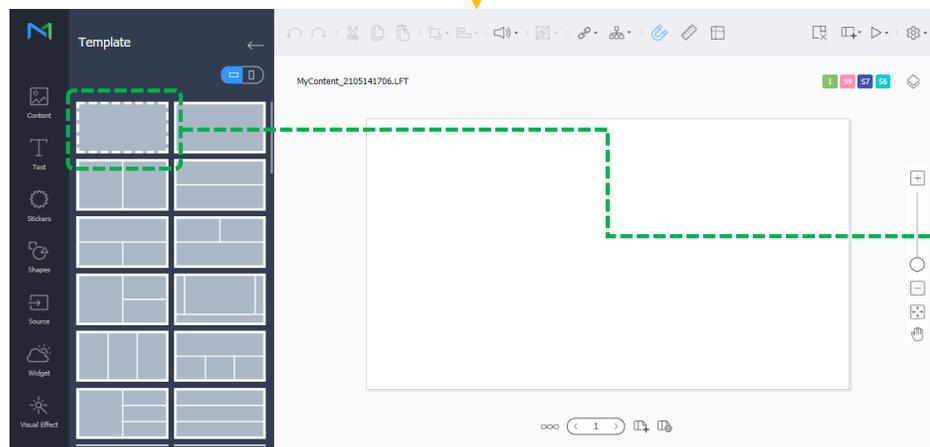
13.2 Create Content – LFT Content : Set Layout

- ✓ You can use the template provided by default or set the template directly by the customer



✓ If you select an area, you can adjust the layout.

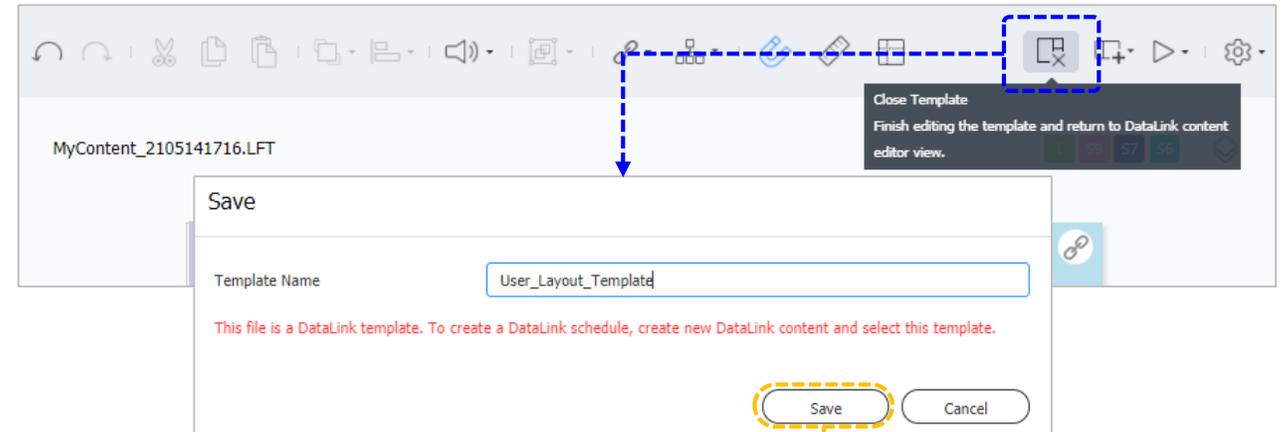
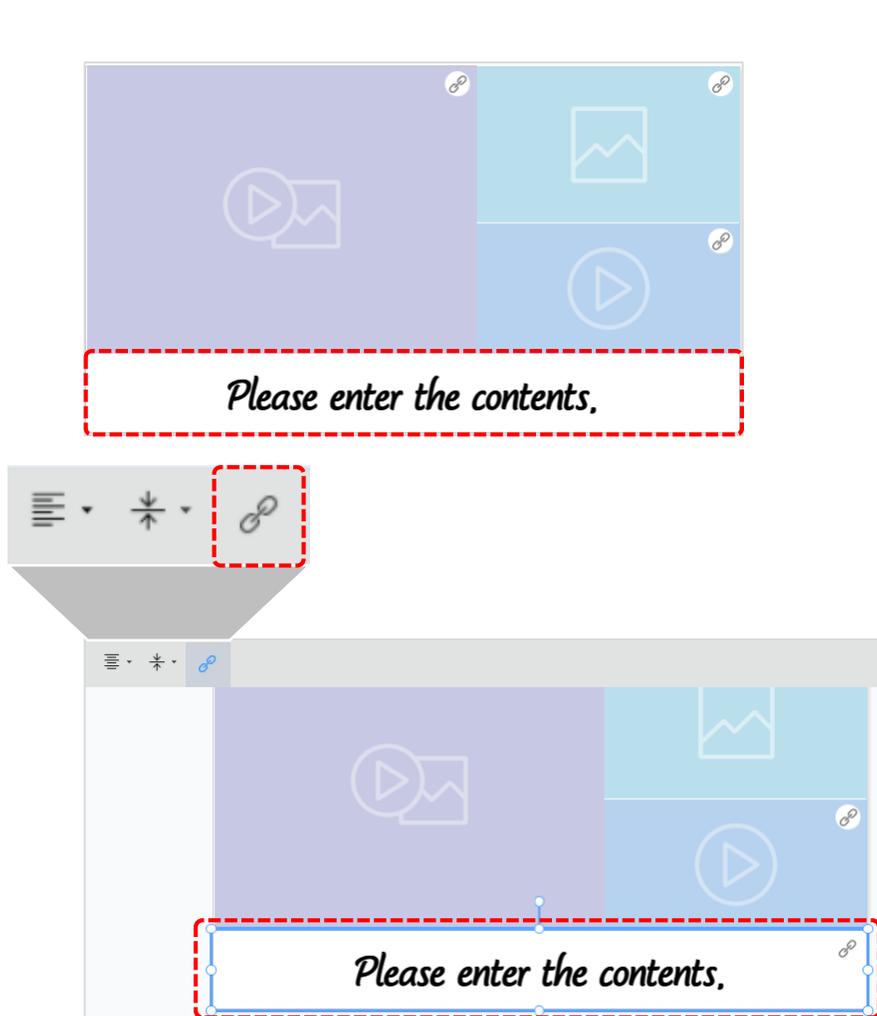
✓ Select the template provided and set the layout.



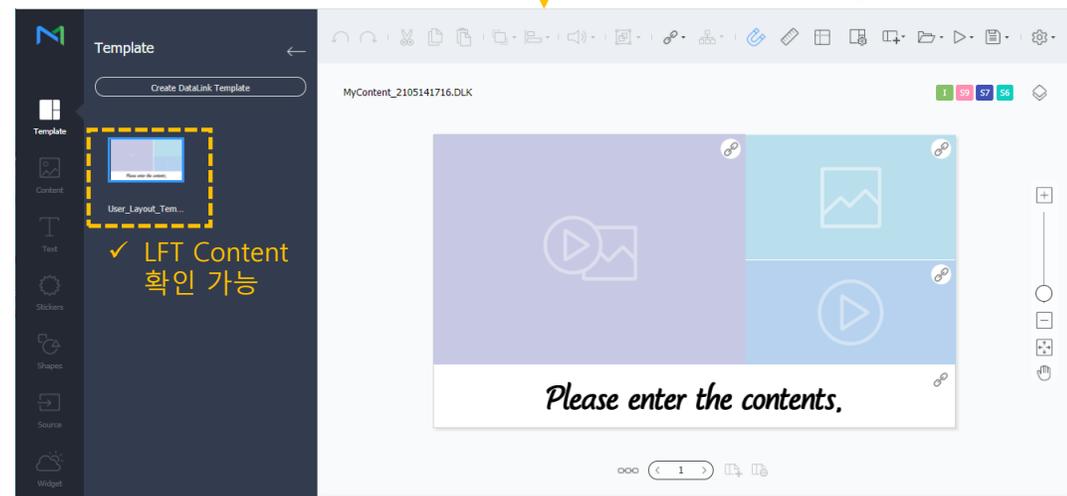
✓ Customer set up Layout directly

13.2 Create Content – LFT Content : Set DataLINK Content

✓ To convert Image/Video/Text to DLK Content, click '  '



✓ Automatically Return to where DLK Content is generated



13.2 Create Content – DLK Content

✓ DLK Content can be used by mixing the general content and DataLINK Data.

4 DataLink Table

Datalink	IDX	DL_A	DL_B	DL_C	DL_D
DataLINK	1	No	Store	Name	Price
YPUMPIN_DEMO	2	1	A_Coffee	Americano	5
Sheet1	3	2	A_Coffee	Green Tea	6
Data View	4	3	A_Coffee	Waffle	10
	5	4	A_Coffee	Ice cream	6
	6	5	B_Coffee	Americano	3
	7	6	B_Coffee	Chocolate Cake	8
	8	7	B_Coffee	Lemon Tea	4
	9	8	C_Coffee	Americano	5
	10	9	C_Coffee	Mango Juice	7
	11	10	C_Coffee	Bacon Sandwiche	12

4 Details

Name: Convert_Video

Type: Video

From	To
Adv_A	1.mp4 Resolution: 1920x1080 Size: 7.2 MB Type: mp4 Time: 00:00:15.06
Adv_B	2.mp4 Resolution: 1920x1080 Size: 3.1 MB Type: mp4 Time: 00:00:15.06

OK

3 Add Media Slide

DataLink Table: Select a DataLink table to link.

Data Order: Vertical Horizontal

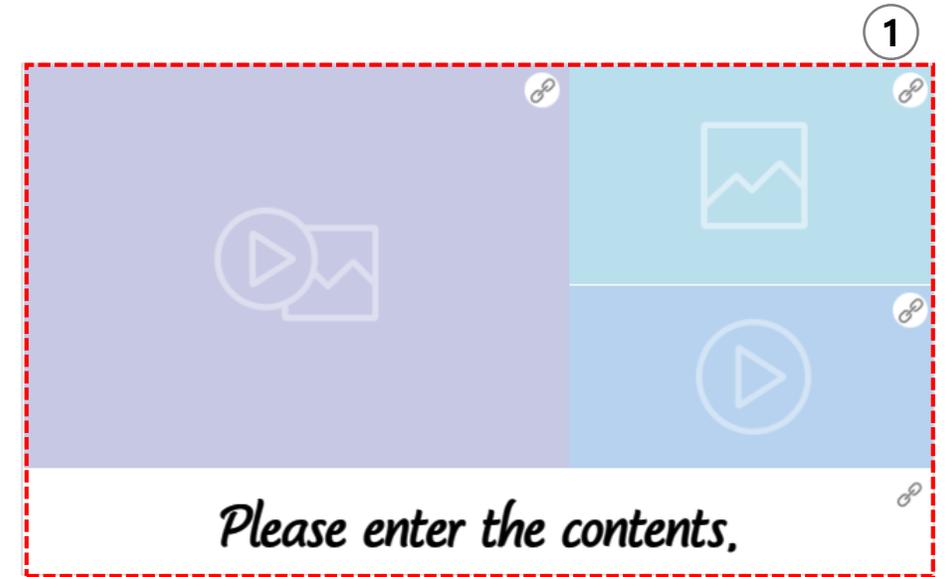
Tag: [Search]

Datalink Tag: [Search]

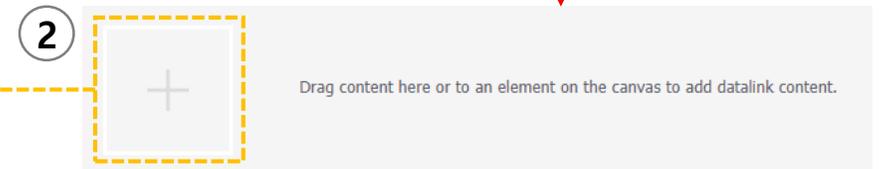
Conversion Table: Select a conversion table.

Tag Logic: And Or

Save Cancel



✓ Click on each area to add a content or map the DataLINK data.



✓ If you click the '+' Box, you can map the DataLINK Data.

13.2 Create Content – DLK Content: Media Slide

✓ Each DataLINK Content can be mapped with Datalink data.

The image shows a software interface for creating content. At the top left, a canvas titled 'MyContent_210514' displays a media slide with a play button icon and the text 'Please enter the contents.' Below the canvas is a toolbar with various icons. A dashed blue box highlights the 'DataLINK Table' window, which contains a table of data. A dashed orange box highlights the 'Details' window, which shows the configuration for a media slide. A dashed green box highlights the 'Add Media Slide' dialog box, which is used to select a DataLINK table and configure the slide's properties. A dashed yellow box highlights the 'Add Media Slide' dialog box, which is used to select a conversion table and configure the slide's properties.

DataLINK Table

Datalink	IDX	DL_A	DL_B	DL_C	DL_D
DataLINK	1	1	Adv_A_1	Hot Drink	Please Wait
YPUMPIN_DEMO	2	4	Adb_A_2	Cold Drink	You can go!
Adv_Store	3	5	Adv_B_1	Sandwiches	Please Wait
Sheet1	4	7	Adv_B_2	Mixed Food	You can go!
Data View	5	8	Adv_C_1	A_Company	Please Wait
	6	10	Adv_C_2	B_Company	You can go!

Details

Name: Convert_Mixed
Type: Media Slide

From	To
Adv_A_1	indi_Sandwiches.jpg Resolution: 1024x682 Size: 128.0 kB Type: jpg
Adv_A_2	5.mp4 Resolution: 1920x1080 Size: 5.2 MB Type: mp4
Adv_B_1	스벅_아이스 이그조딕 레몬 티.jpg Resolution: 300x313 Size: 12.7 kB Type: jpg
Adv_B_2	Voice Pickup_Eng.mp4 Resolution: 3840x2160 Size: 208.4 MB Type: mp4

Add Media Slide

DataLINK Table: Select a DataLINK table to link.
Data Order: Vertical Horizontal
Tag:
Datalink Tag:
Conversion Table: Select a conversion table.
Tag Logic: And Or

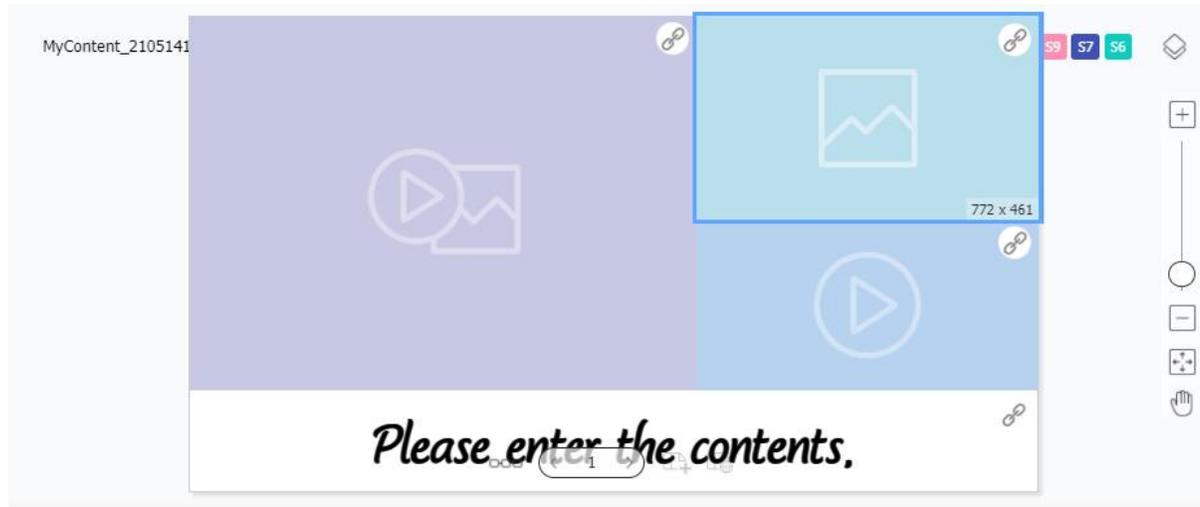
Add Media Slide

DataLINK Table: Select a DataLINK table to link.
Data Order: Vertical Horizontal
Tag:
Datalink Tag:
Conversion Table: Convert_Mixed
Tag Logic: Convert_Mixed

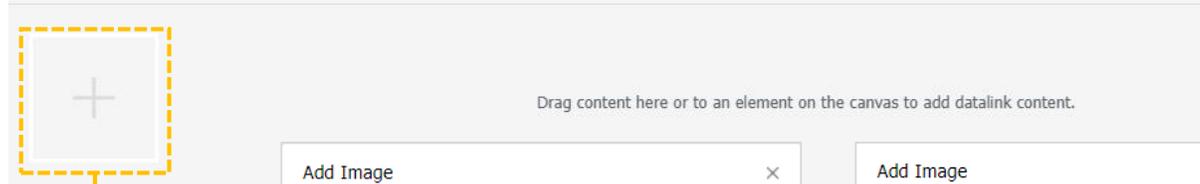
✓ A content that matches the value selected in the DataLINK Table will be displayed on the screen.

13.2 Create Content – DLK Content: Image

✓ Each DataLINK Content can be mapped with Datalink data.



DataLink	Idx	DL_A	DL_B	DL_C	DL_D
DataLINK					
DataLINK	1	1	A_Coffee	Americano	5
YPUMPIN_DEMO	2	2	A_Coffee	Green Tea	6
Sheet1	3	3	A_Coffee	Waffle	10
Adv_Store	4	4	A_Coffee	Ice cream	6
Data View	5	5	B_Coffee	Americano	3
	6	6	B_Coffee	Chocolate Cake	8
	7	7	B_Coffee	Lemon Tea	4
	8	8	C_Coffee	Americano	5
	9	9	C_Coffee	Mango Juice	7
	10	10	C_Coffee	Bacon Sandwiche	12



Add Image

DataLink Table: Select a DataLink table to link.

Data Order: Vertical Horizontal

Tag: [Search]

Datalink Tag: [Search]

Conversion Table: Select a conversion table.

Tag Logic: And Or

Save Cancel

Add Image

DataLink Table: Select a DataLink table to link.

Data Order: Vertical Horizontal

Tag: [Search]

Datalink Tag: [Search]

Conversion Table: Select a conversion table.

Tag Logic: Coffee

Save Cancel

✓ A content that matches the value selected in the DataLINK Table will be displayed on the screen.

Details

Name: Coffee

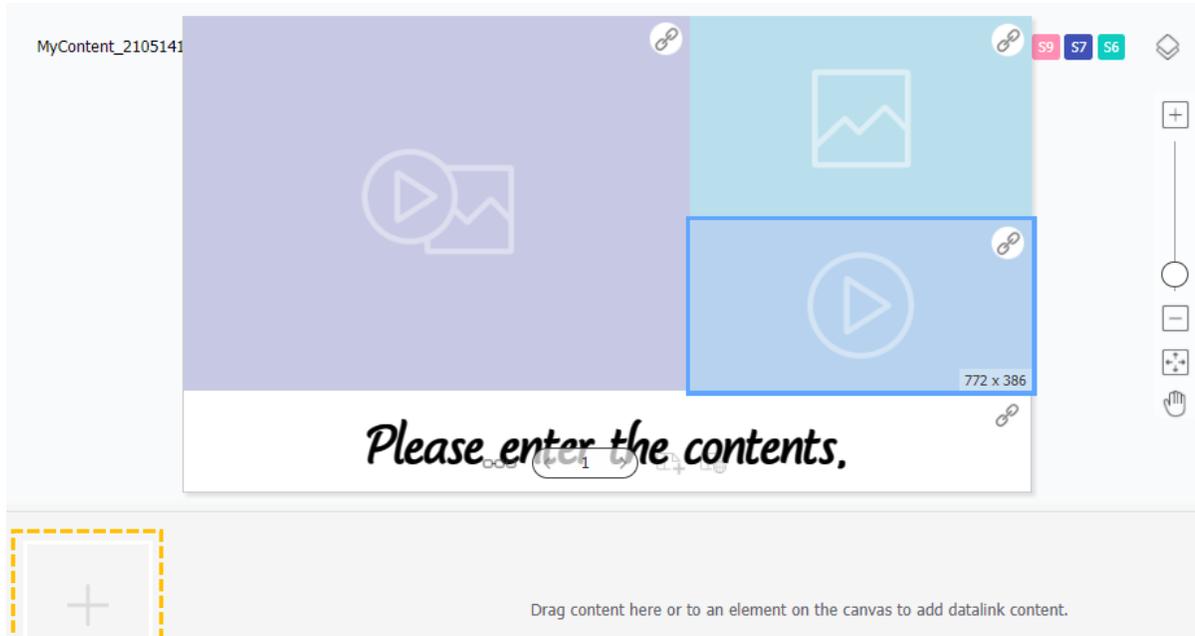
Type: Image

From	To
A_Coffee	스벅_아이스 차이 티 라떼.jpg Resolution: 300x313 Type: jpg Size: 21.8 kB
B_Coffee	indi_cappuccino.jpg Resolution: 1024x682 Type: jpg Size: 128.0 kB
C_Coffee	indi_Bakery.jpg Resolution: 1024x682 Type: jpg Size: 128.0 kB

OK

13.2 Create Content – DLK Content: Video

- ✓ Each DataLINK Content can be mapped with Datalink data.



DataLink Table

Datalink	IDX	DL_A	DL_B	DL_C	DL_D
DataLINK	1	1	Adv_A_1	Hot Drink	Please Wait
YPUMPIN_DEMO	2	4	Adb_A_2	Cold Drink	You can go!
Sheet1	3	5	Adv_B_1	Sandwiches	Please Wait
Adv_Store	4	7	Adv_B_2	Mixed Food	You can go!
Sheet1	5	8	Adv_C_1	A_Company	Please Wait
Sheet1	6	10	Adv_C_2	B_Company	You can go!

Select Cancel

- ✓ A content that matches the value selected in the DataLINK Table will be displayed on the screen.

Add Video

DataLink Table: Select a DataLink table to link.

Data Order: Vertical Horizontal

Tag: [Search]

Datalink Tag: [Search]

Conversion Table: Select a conversion table.

Tag Logic: And Or

Save Cancel

Add Video

DataLink Table: Select a DataLink table to link.

Data Order: Vertical Horizontal

Tag: [Search]

Datalink Tag: [Search]

Conversion Table: Select a conversion table.

Tag Logic: Convert_Video

Save Cancel

Details

Name: Convert_Video

Type: Video

From	To
Adv_A	1.mp4 Resolution: 1920x1080 Size: 7.2 MB Type: mp4 Time: 00:00:15.06
Adv_B	2.mp4 Resolution: 1920x1080 Size: 3.1 MB Type: mp4 Time: 00:00:15.06

OK

13.2 Create Content – DLK Content: Text (Link Data)

✓ Each DataLINK Content can be mapped with Datalink data.

The screenshot illustrates the process of creating content linked to DataLINK data. It features a main content editor, a 'DataLink Table' window, and two 'Add Text' dialog boxes.

DataLink Table

Datalink	Idx	DL_A	DL_B	DL_C	DL_D
DataLINK	1	1	A_Coffee	Americano	5
YPUMPIN_DEMO	2	2	A_Coffee	Green Tea	6
Sheet1	3	3	A_Coffee	Waffle	10
Adv_Store	4	4	A_Coffee	Ice cream	6
Data View	5	5	B_Coffee	Americano	3
	6	6	B_Coffee	Chocolate Cake	8
	7	7	B_Coffee	Lemon Tea	4
	8	8	C_Coffee	Americano	5
	9	9	C_Coffee	Mango Juice	7
	10	10	C_Coffee	Bacon Sandwiche	12

Add Text Dialog (Left)

Type: Link Data Direct Input

DataLink Table: Select a DataLink table to link. [icon]

Data Order: Vertical Horizontal

Tag: [icon]

Datalink Tag: [icon]

Conversion Table: Select a conversion table.

Tag Logic: And Or

Buttons: Save, Cancel

Add Text Dialog (Right)

Type: Link Data Direct Input

DataLink Table: Select a DataLink table to link. [icon]

Data Order: Vertical Horizontal

Tag: [icon]

Datalink Tag: [icon]

Conversion Table: Select a conversion table.

Tag Logic: Text_Announcement [icon]

Buttons: Save, Cancel

Details Dialog

Name: Text_Announcement

Type: Text

From	To
1	Please Wait.
2	You can go!!

Buttons: OK

✓ A content that matches the value selected in the DataLINK Table will be displayed on the screen.

13.3 Create Schedule

✓ You can create schedule with DLK Content

✓ Click the time Area
✓ Drag the time Area

A glowing blue sphere with a white orbital ring and a blue starburst background. The sphere is centered in the image, and the text "Thank You" is overlaid on it. The background is a dark blue starburst pattern.

Thank You



A. Appendix

Revision History

Date	Version	Updated Summary	Writer
2021.06.25	V0.9	Initial	Yousim Jeong
2021.07.31	V0.91a	Modified description after review	Yousim Jeong, William Sam
2021.08.20	V0.91	Modified Description order	Yousim Jeong
2021.08.27	V0.92a	Added SW Upgrade Menu Description	Yousim Jeong
2021.09.10	V0.92	Added Appendix	Yousim Jeong
2021.09.13	V1.0	Version change (v0.92 → V1.0)	

EB Solution Overview

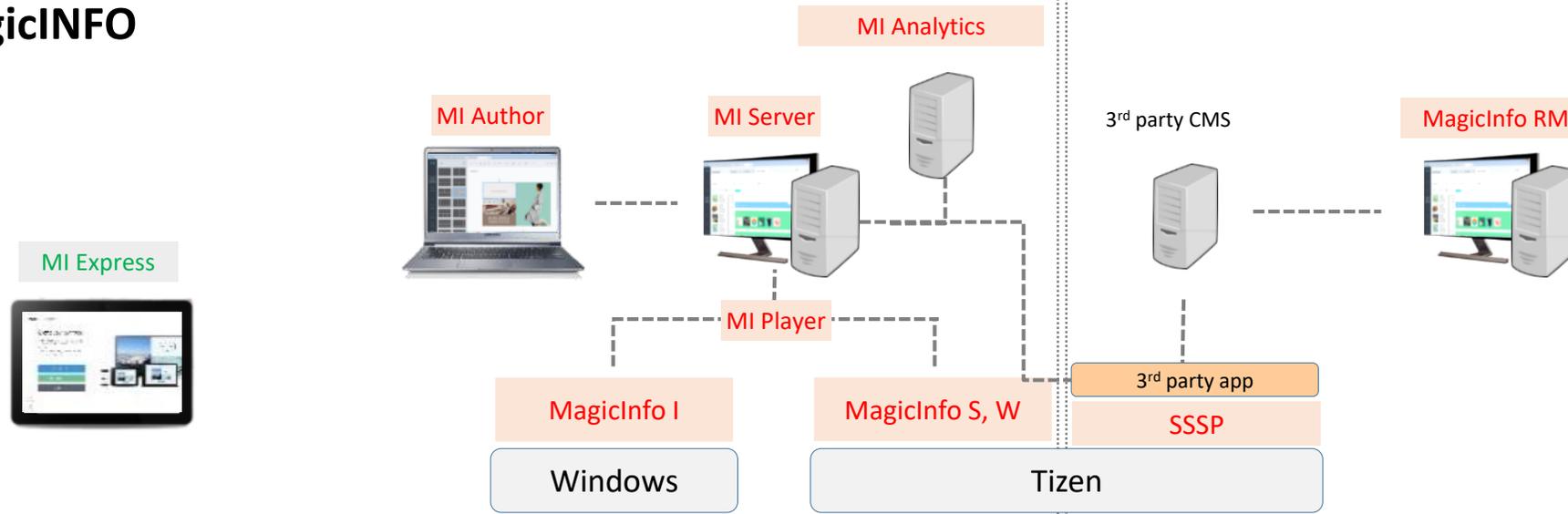
LFD+LED

LFD Only

LED Only

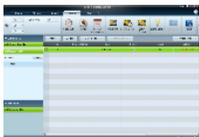
Cinema Only

MagicINFO



SSSP

Device Control



Unified MDC

*Multiple Display Control



LSM

*LED Signage Manager

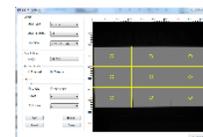
Calibration



Color Expert Pro



Color Expert Mobile



Color Expert LED



Cinema Module Correction



Cinema Edge Correction

MagicINFO Player

- The player software is designed to play content on a variety of hardware devices and operating systems.

	Lite Player	S Player	W Player	I Player
Overview	 <p>Simple image, video play</p>	 <p>LFD content play with various content element</p>	 <p>HTML play with web based technology</p>	 <p>Included in optional SBB</p>
Platform	Samsung SoC / Simple SoC	Samsung SoC	Web on Tizen	Windows
Offer When	<ul style="list-style-type: none"> • Centralized content distribution is required without advanced features • Full screen content playback for video, image is required without content authoring or multiple frames • Lite player model : DCE, DCH, QET 	<ul style="list-style-type: none"> • PC-less scenario is required • Remote control of device and monitoring is required • More accurate Proof of Play data is required from embedded player level • Multi frame, channel scenario is required 	<ul style="list-style-type: none"> • eye-catching dynamic effect is required • web based interaction is required • customized widget, font, and effect is required 	<ul style="list-style-type: none"> • When displays in videowall are laid out in artistic form including overlaps • Programmable content is required including touch enabled content • Complex animations and translucent layers are required
Remark	<ul style="list-style-type: none"> • Supports Standalone • New features are not supported 	<ul style="list-style-type: none"> • Supports Standalone & Video Wall 	<ul style="list-style-type: none"> • Need to convert from S player • Supported OS : Tizen 4.0 above 	<ul style="list-style-type: none"> • Supports Standalone & Video Wall • 3rd Party PC is needed

W Player

- ✓ To support interactive scenario, W player provide various way to create dynamic scenario
- ✓ Via W player, web content can be changed by element level
- ✓ Using W player API, user can modify HTML content in web author

[Independent Player]

< S Player >



< W Player >



[W Player API]

< User Data >

Diagram illustrating the User Data configuration interface. It shows a 'User Data' dialog box with a table of user data. The table has columns for Key, Value, City, Language, Age, and Stock. Below the table, there are instructions: '- User can customize variable data via web author' and '- Once admin user create 'user data', local user can select 'value' depending on condition'.

Key	Value	City	Language	Age	Stock
		Seoul	Korean	0~20	Available
		New York	English	21~40	Out of stock

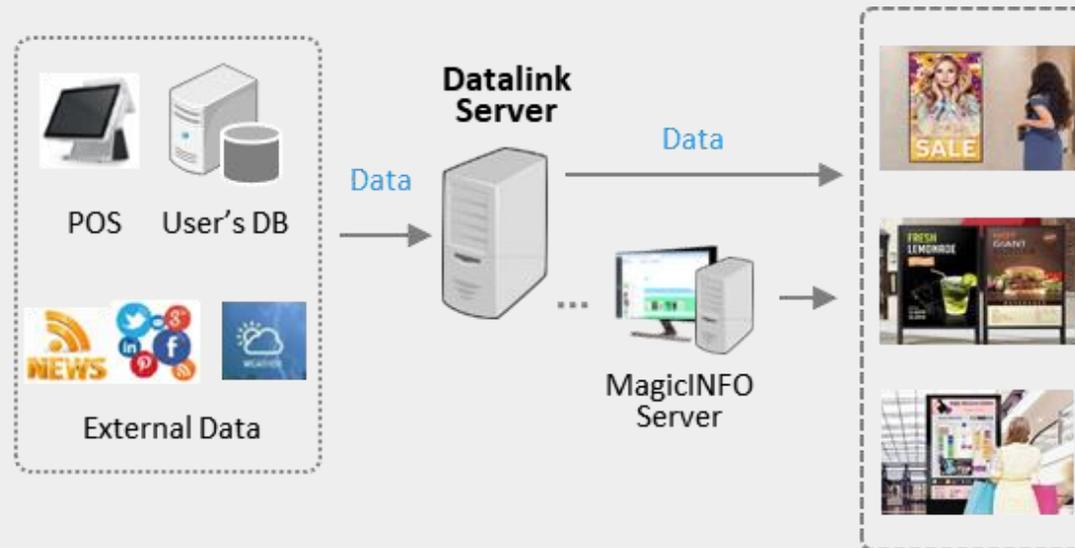
< External Data >

Diagram illustrating the External Data configuration interface. It shows an 'External Data' dialog box with options for 'UDP Listener' and 'Datalink Listener'. Below the dialog, there are instructions: '- Certain element in web content can be changed by external source', '- Via UDP port, element can be changed like network connected POS data – order confirmation display', and '- Via Datalink, web content can communicate with any external data'.

DataLINK Server

✓ Feature Concept

- Provides up-to-date information with simplified and affordable real-time content management
- Collects external data from Customer DB and sends data to MagicINFO Server



Module	Supported Format
XML	XML file
Excel	Excel, CSV
DB	MSSQL, MySQL
Exchange	MS exchange server
Google	Google calendar
Web	Json, Excel, CSV, XML
Outlook	MS outlook agent

License Guide

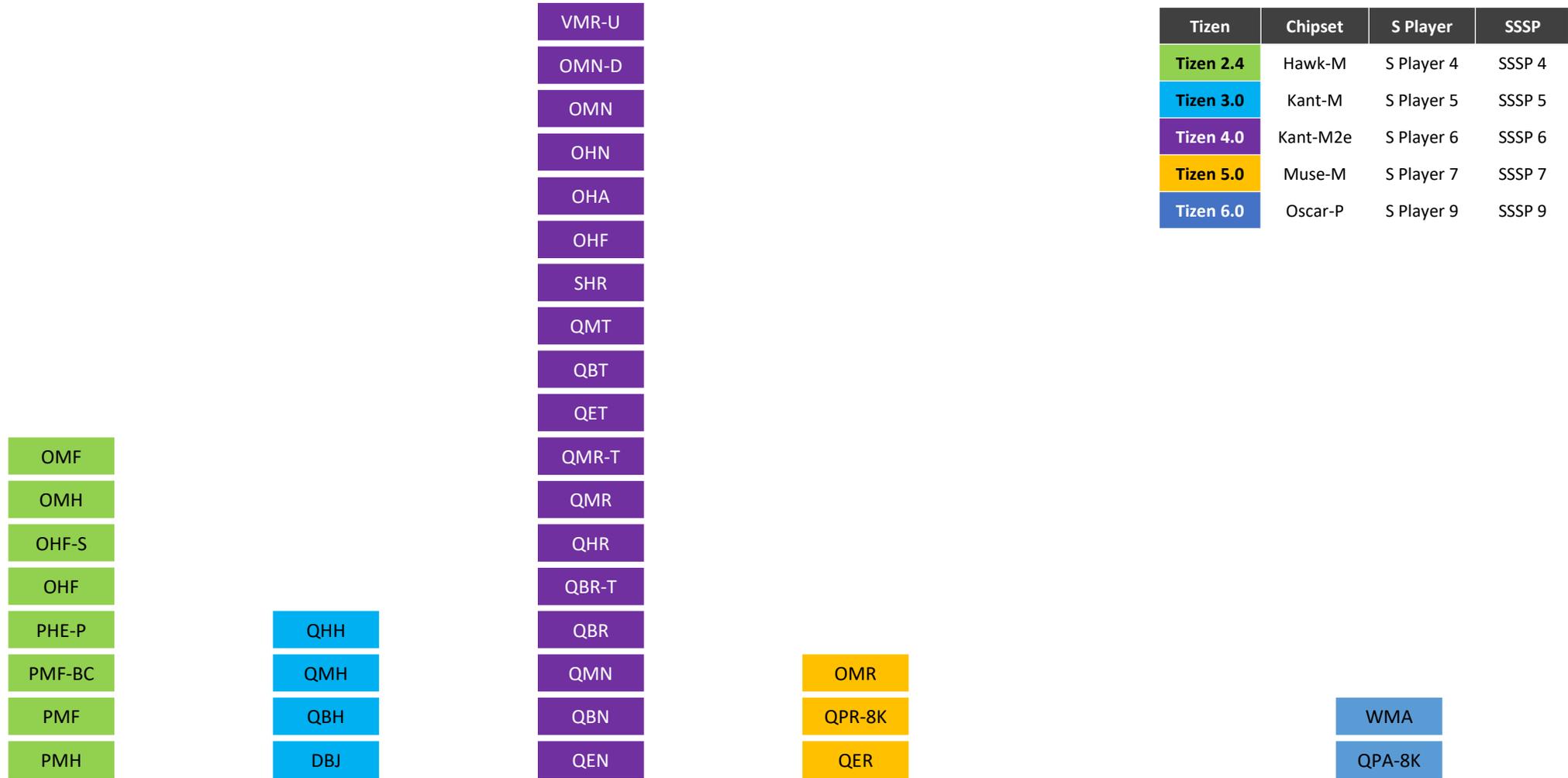
'21. New

MagicInfo Server	Server v4('15)	Server v6('18)	Server v7('19)	Server v8('20)	Server v9('21)
MagicInfo Player	S Player 1 ~ 5	S Player 1 ~ 6	S Player 1 ~ 7	S Player 1 ~ 8 W Player	S Player 1 ~ 9 W Player

Player		MagicINFO Server Version					
Player Type	Version	4000.X ↑	4101.X ↑	6000.X ↑	7000.X ↑	8000.X ↑	9000.X ↑
S Player	S Player 4	Available	Available	Available	Available	Available	Available
	S Player 5	Displayed as S4	Available	Available	Available	Available	Available
	S Player 6	Displayed as S4	Displayed as S5	Available	Available	Available	Available
	S Player 7	Displayed as S4	Displayed as S5	Displayed as S6	Available	Available	Available
	S Player 8	Displayed as S4	Displayed as S5	Displayed as S6	Displayed as S7	Available	Available
	S Player 9	Displayed as S4	Displayed as S5	Displayed as S6	Displayed as S7	Displayed as S8	Available
W Player	-	-	-	-	-	Available	Available
I Player	-	Available	Available	Available	Available	Available	Available
Lite Player	-	Available	Available	Available	Available	Available	Available

※ When a Player is matched with previous version of server, there will not be technical issue, but player will be displayed as previous version.

Tizen Version Mapping



Tizen 2.4

Tizen 3.0

Tizen 4.0

Tizen 5.0

Tizen 5.5

Tizen 6.0