

# Planar ContentSmart Media Player MP60 User Manual

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# 1 Overview

This document describes the hardware operation of the Planar® ContentSmart™ Media Player MP60, system set-up and frequently asked questions.

## 1.1 Feature Highlights

The Planar ContentSmart MP60 is a Full HD (1920 x 1080) high definition digital signage media player featuring and industrial-grade mechanical design, versatile open-standard HTML5 and SMIL programmability.

- HDMI-in for custom live content display
- Full HD 1080p hardware decoding of MPEG1/2/4, H.264 and VC-1 media formats
- 16GB on-board flash local storage with MicroSD expansion slot
- Integrated audio and video output via HDMI
- 3 USB ports
- Built-in wireless b/g/n network
- Support for HTML5 widgets for dynamic content (W3C Widgets standard)
- Industry-leading W3C SMIL support for developers
- Supports full POPAI Screen Media Formats Standards profiles S1 to S12, and E1 to E8
- Multiple 3<sup>rd</sup> party software solution compatibility

## 1.2 Package Contents



Media Player Unit



AC Adapter  
(with US power plug)



Wi-Fi Antenna



HDMI Cable



Velcro (2 sets)



Power & micro SD card brackets

**NOT INCLUDED:** A USB mouse is required for system setup

## 1.3 Installation

### 1.3.1 Attach wireless antenna

Attach the wireless antenna as shown below, then screw antenna clockwise onto the post.



### 1.3.2 Mounting Option: [Attach on the back of the monitor using Velcro]

Separate the Velcro pads and stick on the bottom of player. Stick the other Velcro pads onto the back of monitor, then attach the player to it. Use HDMI cable to connect player and the monitor.



## 1.4 Physical View



**1.4.1** *Physical features (left to right in previous illustration)*

- Reset button to perform factory reset
- Micro SD card slot
- 3.5mm Audio out
- HDMI 1.4 connector for digital video and audio combined **INPUT**
- Micro USB for ADB, Android debug console port
- 3 x USB ports for USB content update and configuration
- Power/Status LED indicator
- Ethernet port for network content update
- RS232 port for display control
- DC input port
- Wireless antenna post
- Kensington lock
- S/PDIF Audio out
- HDMI 1.4 connector for digital video and audio combined **OUTPUT**
- VGA out

## 2 Configuring the Player

### 2.1 System Connections

Connect to a monitor via a HDMI or VGA cable.

- When using an **HDMI connection**, audio is sent along with video over the HDMI cable, so no additional cables are required.

Attach the AC power adapter to power on the unit. After approximately 15 **seconds** the booting animation will be displayed on screen as shown below:

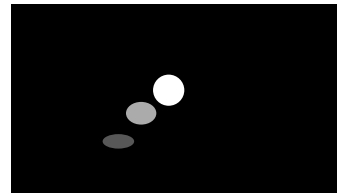


Figure 2.1.1

The boot-up process takes approximately 40 **seconds** to complete.

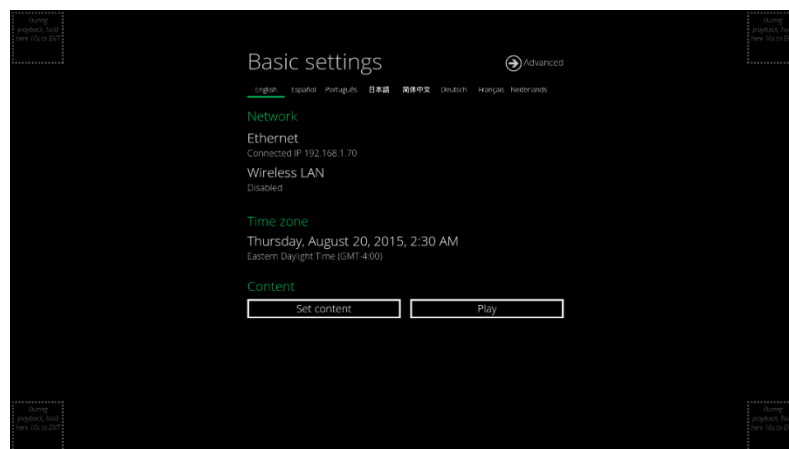


Figure 2.1.2



After boot-up completes, player will stay in Basic settings menu if no content service has been configured (i.e. first boot-up for brand new unit or after a factory reset).

- **Note:** If you have already sent content to the player, content will play back automatically after 15 seconds after boot-up.

## 2.2 Basic Settings

A USB mouse must be attached to the player to configure settings. If the display has a **HID-compliant touch screen**, a USB mouse is not required and all the click action can be replaced by tap actions.

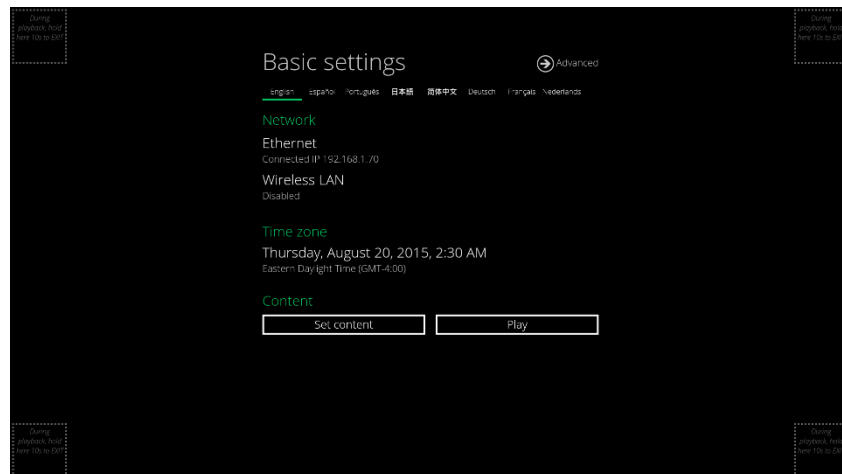


Figure 2.2.1

Basic settings:

- Network
- Time zone
- Content

Each time the Basic settings menu is entered, playback will automatically begin after 15 seconds if content services have been previously set. Auto playback can be canceled by clicking on the button before the countdown ends.

User is able to enter Advanced Settings by clicking the Advanced button.



To enter the menu system at any time **during playback**, plug in a USB mouse and hold the left mouse key in the corner area as shown below for 10 seconds. If the

Figure 1.2.2

player has touch screen, tapping and holding in the corner areas for 10 seconds will also bring you to the menu.

- **Please note.** Player will ask for password if password has been configured.

## 2.3 Connect Player to Your Network

### 2.3.1 Wireless connection

Click the **Wireless LAN** setting to launch the wireless configuration UI.

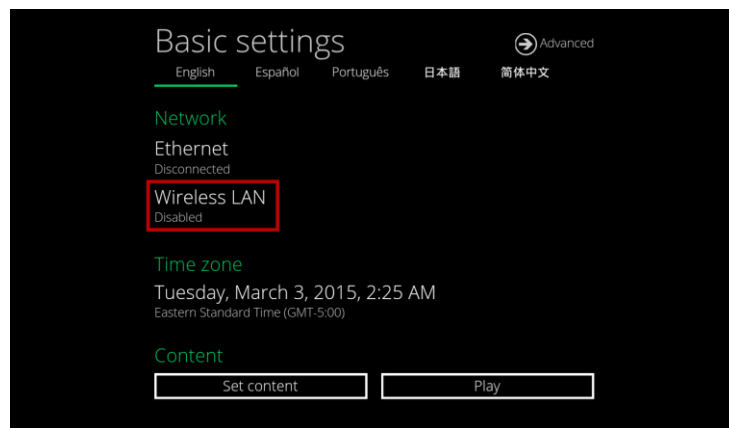


Figure 2.3.1

Click the **ON/OFF** button as indicated below to turn ON Wireless interface (network).

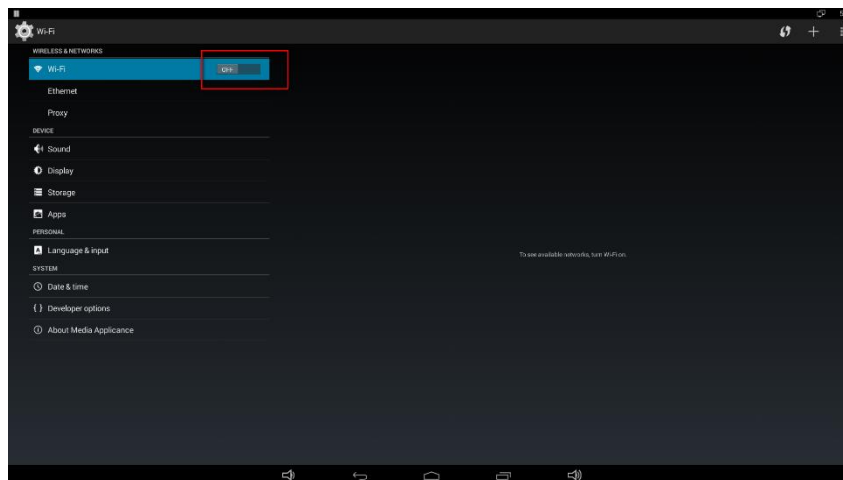
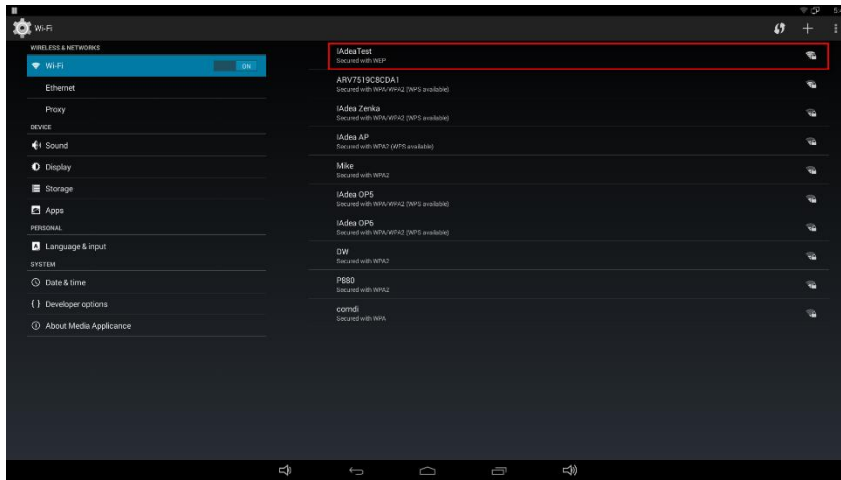


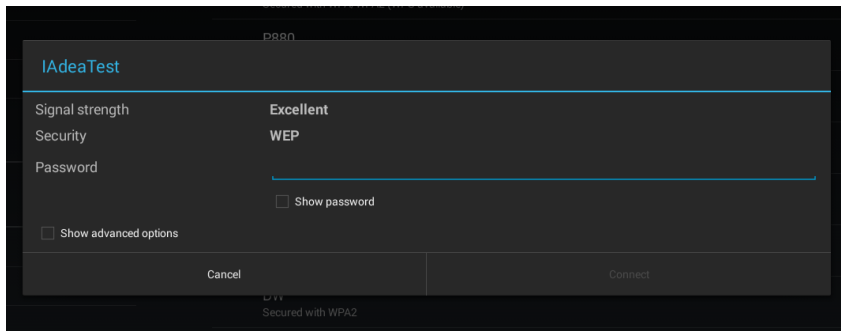
Figure 2.3.2

The player will scan for wireless signals nearby and available access points will be listed.



**Figure 2.3.3**

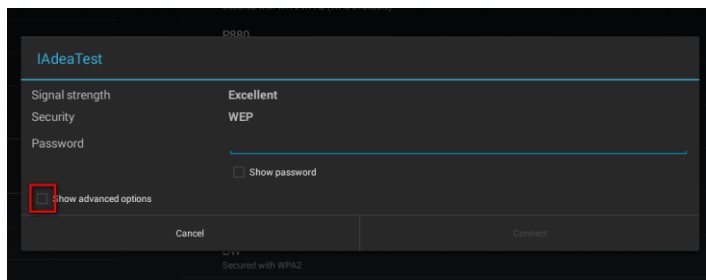
Click on the network ID to connect. If the network requires authentication, you will be asked to provide a password.



**Figure 2.3.4**

### 2.3.2 Static IP – manually assign network IP address

- 1 Check the box that says "Show advanced options"



**Figure 2.3.5**

Click down arrow to hide keyboard if needed.

You can also scroll down/swipe to see the rest of the menu.

- 2** Under IP settings, change DHCP to Static.

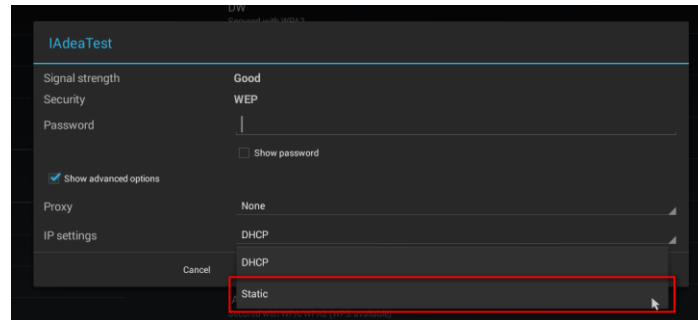


Figure 2.3.6

- 3** Fill the form and click Connect to complete the setting.

(Scroll down/swipe to see the rest of the menu if needed)

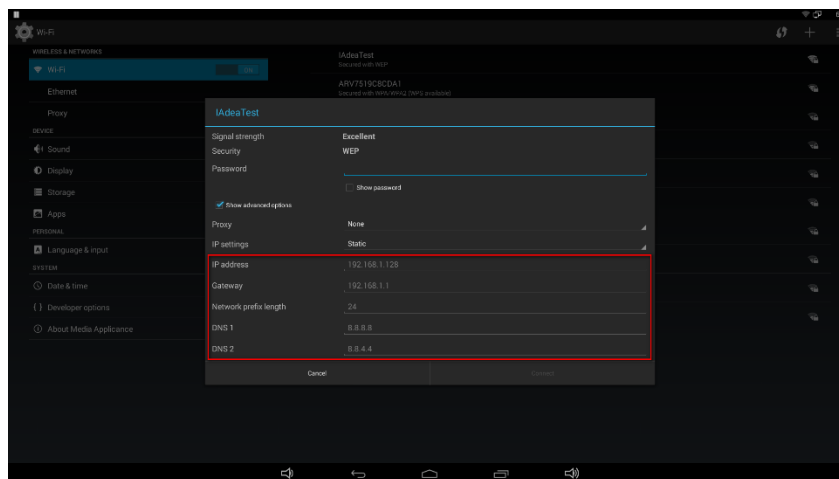


Figure 2.3.7

### 2.3.3 Wired connection

To use the wired Ethernet connection, connect an Ethernet cable. Ethernet connection takes priority over wireless connection.

DHCP – Automatically assign network IP address

- 1 Turn on Ethernet by checking the “Use Ethernet” box. If using DHCP, no further action is required.

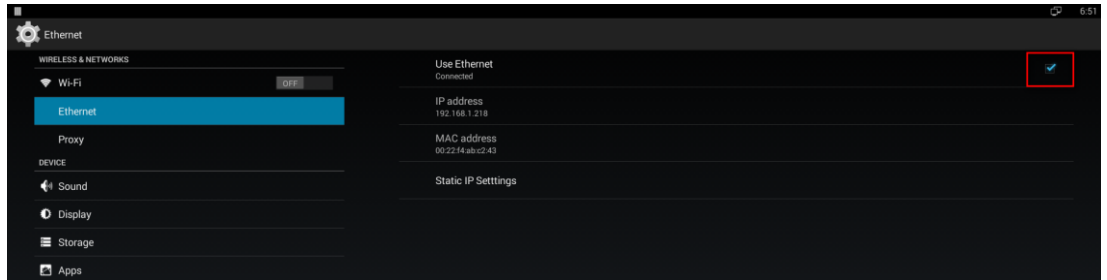


Figure 2.3.8

Static IP – Manually assign network IP address

- 1 Click **Static IP Settings** to configure static IP address.

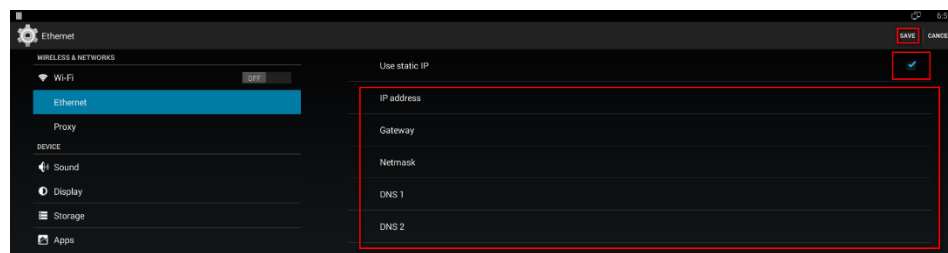


Figure 2

### 2.3.4 Proxy settings

- 1 In Basic settings, click the **Advanced** button and the advanced configuration menu will be launched.

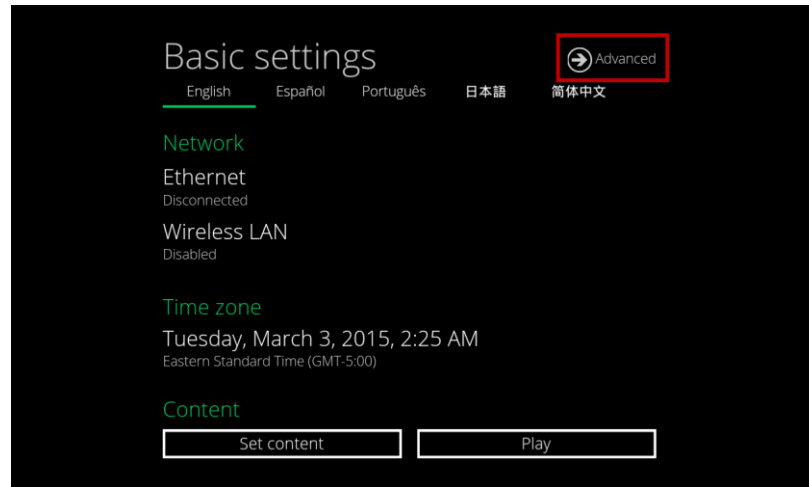


Figure 3.10

2 Click **Network**, then click **Advanced**.

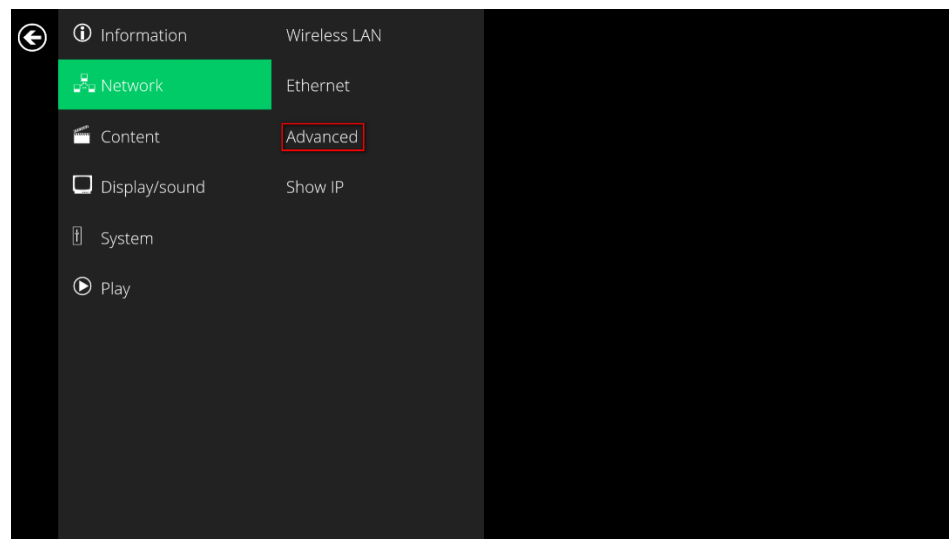


Figure 2.3.11

3 Proxy setting menu will be launched. Input proxy hostname and port, then click Done to finish configuration.

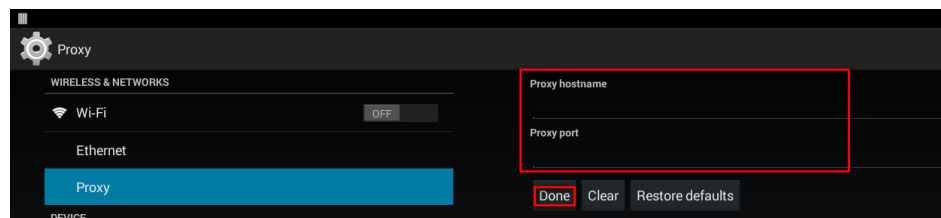


Figure 2.3.12

### 2.3.5 Show IP settings

- 1 In Basic settings, click the **Advanced** button and the advanced configuration menu will be launched.
- 2 Click **Network**, then click **Show IP**.

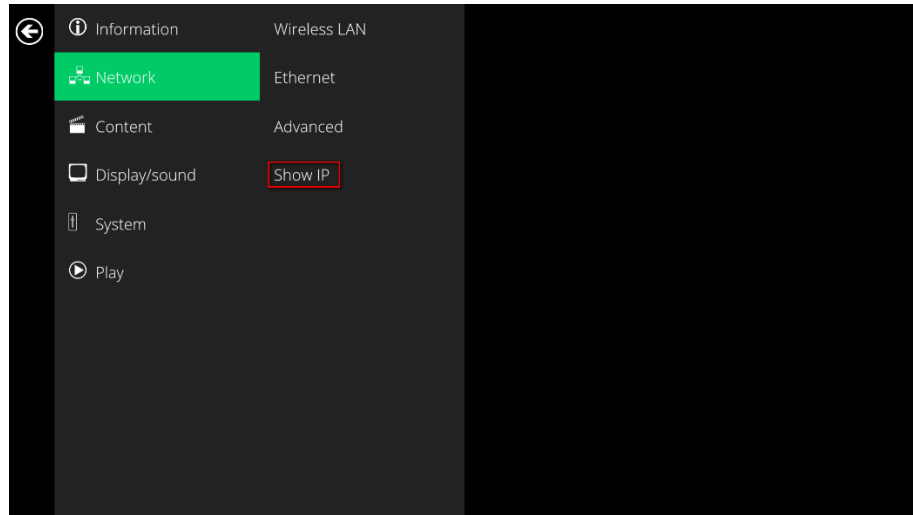


Figure 2.3.13

- 3 This feature is to control whether the IP address is displayed in the Basic settings menu. This is enabled by default. When disabled, basic settings will display “connected” instead of the assigned IP address.

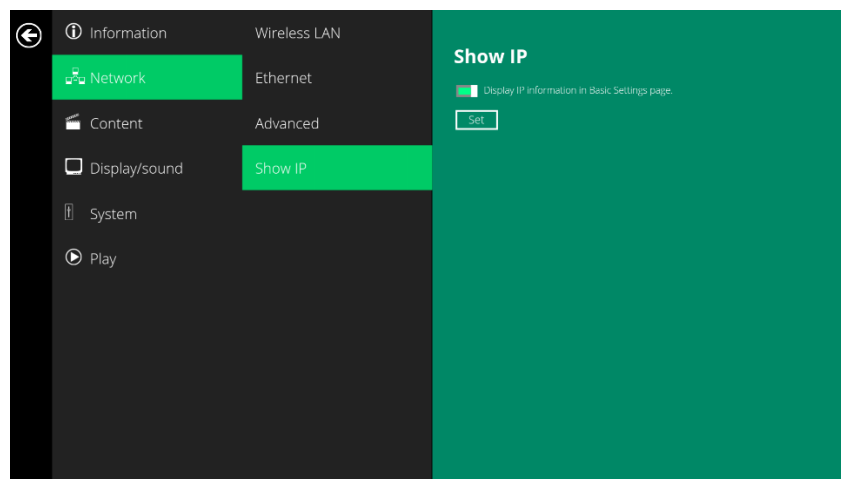


Figure 2.3.14

## 2.4 Time Zone Settings

- 1 In **Basic Settings**, click **Time zone**.

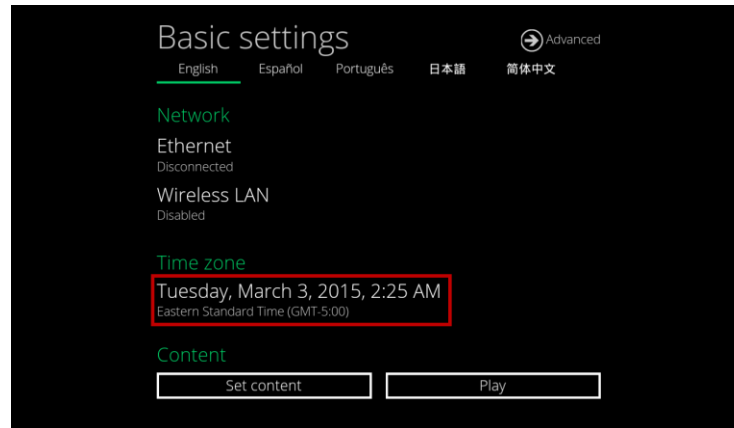


Figure 2.4.1

- 2 Choose the correct time zone from the available options.

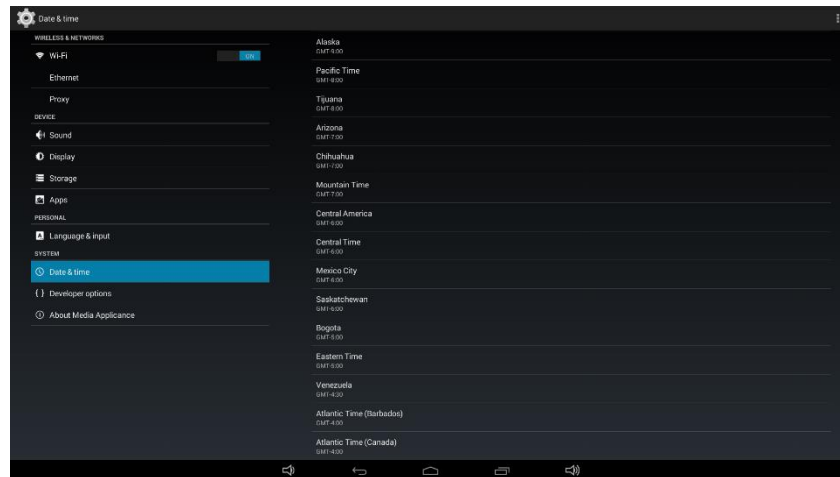


Figure 2.4.2

## 2.5 Content Settings

- 1 Click the **Set content** button.



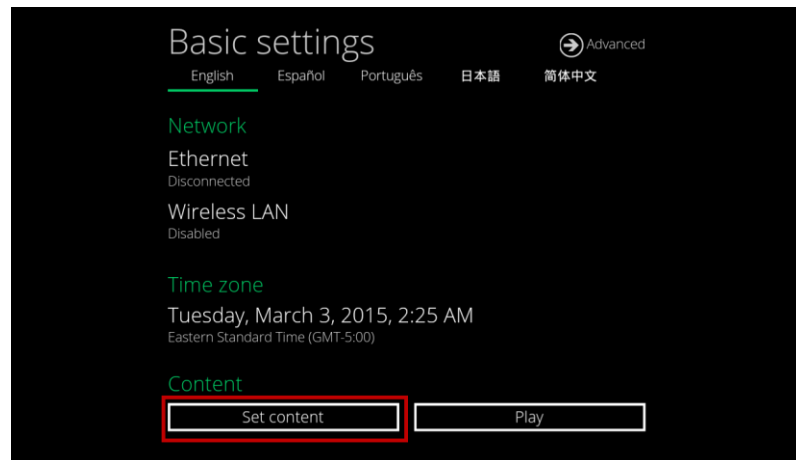


Figure 2.5.1

- 2 Input the **SMIL/HTML5 content URL** and click **Set**. It will return to **Basic Settings** automatically.



Figure 2.5.2

- 3 The player will check the availability of **SMIL/HTML5 content URL**, with the **Play** button showing **Checking...**

The checking action can be canceled by clicking **Checking...** button. It will change back to **Play**.

**NOTE:** It is highly recommended to let the player check the availability of the content URL. Clicking **Play** button with a bad/invalid URL set will cause the player to reboot if the **FailSafe** function is not configured.

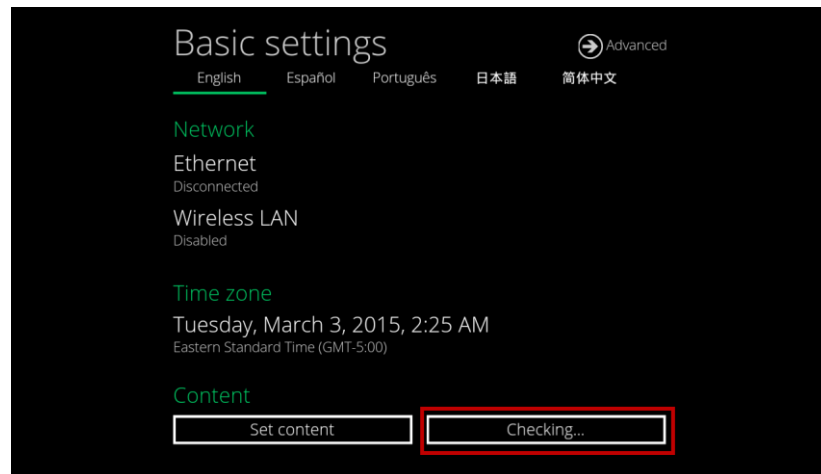


Figure 2.5.3

- 4 If the **SMIL/HTML5 content URL** is available, the **Play** button will change to a 15-second countdown and the playback will start after the countdown. The countdown can be canceled by clicking the button.

If it keeps showing **Checking...** for a long time, go back to **Set content** to check if the URL is correct.

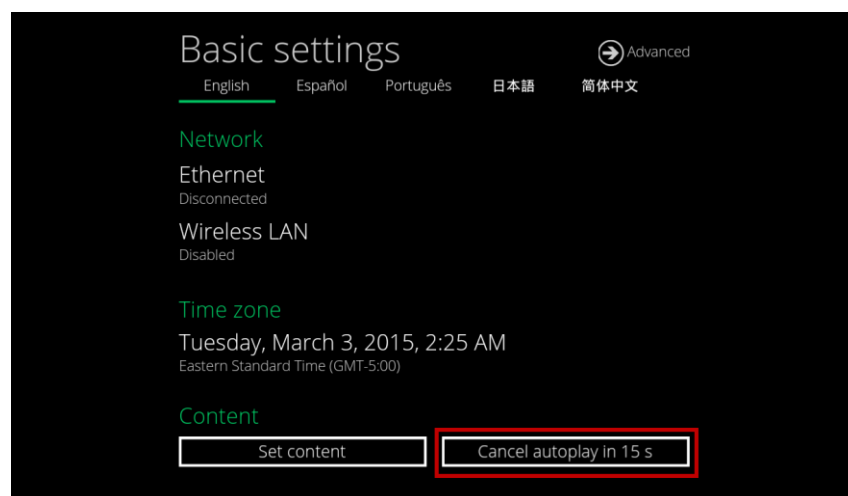


Figure 2.5.4

## 2.6 Player Information

Users can check the player's basic information including the Health status, Firmware version, Player ID and storage capacity.

- 1 Click the **Advanced** button and the advanced configuration menu will be launched.

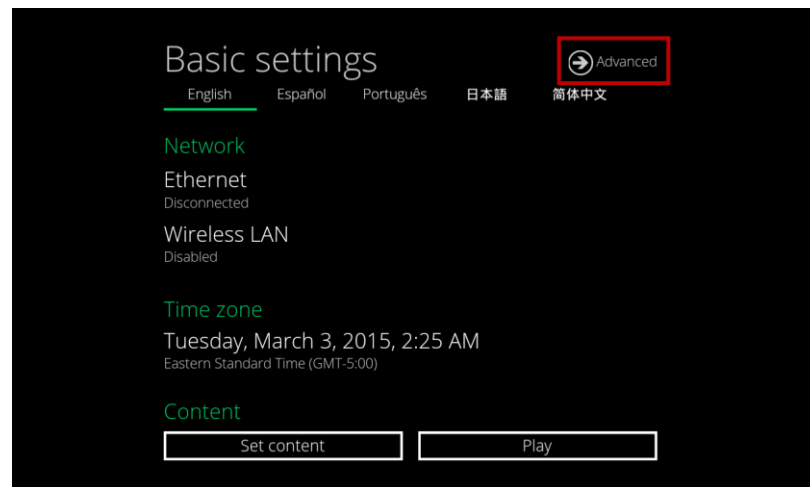


Figure 2.6.1

- 2 Click on **Information**. The definitions of the Health Status are:  
Green – Normal. The device is connected to the URL server.  
Blue – Local. The device is playing content from the USB drive or SD card.  
Gray – Disconnected. The device is disconnected.

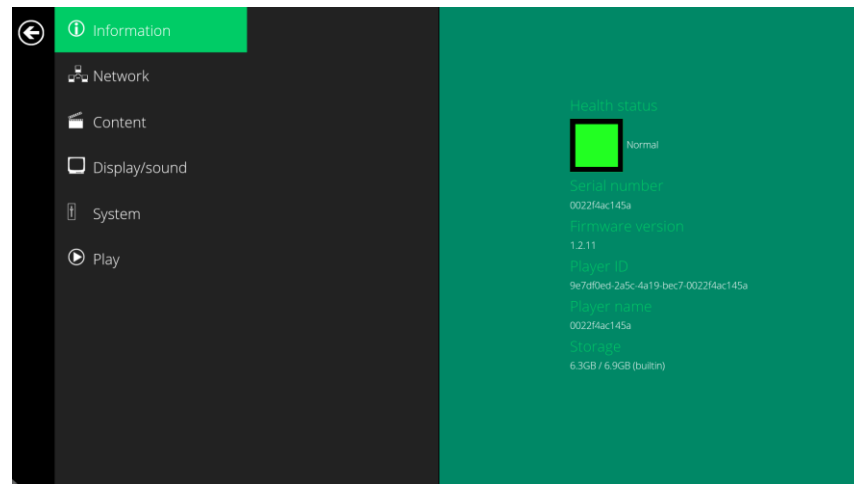


Figure 2.6.2

## 2.7 Content Configuration – AppStart

Users can assign the URL and APP for execution right after the system starts up.

- 1 Click the **Advanced** button. (Figure 2.6.1)
- 2 Click on **Content**, then click on **AppStart**.
- 3 Enter the valid URL of HTML/SMIL in **AppStart** (Figure 2.7.1). If you already configured SMIL/HTML5 content URL via **“Set content”** (Figure 2.5.2), the URL would be shown here.
- 4 The Advanced option is used for 3rd-party App configuration only.

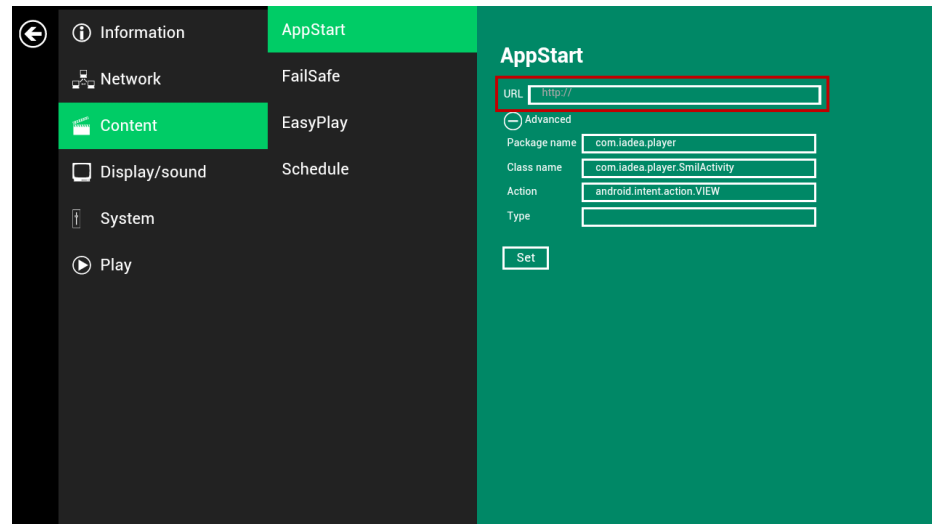


Figure 2.7.1

## 2.8 Content Configuration – FailSafe

Users can assign the URL and APP for execution while the system has failed to play the assigned content.

- 1 Click the **Advanced** button and the advanced configuration menu will be launched. (Figure 2.6.1)
- 2 Click on **Content**, then click on FailSafe.
- 3 Enter the URL of HTML/SMIL in FailSafe.
- 4 The Advanced option is used for 3rd-party App configuration only.

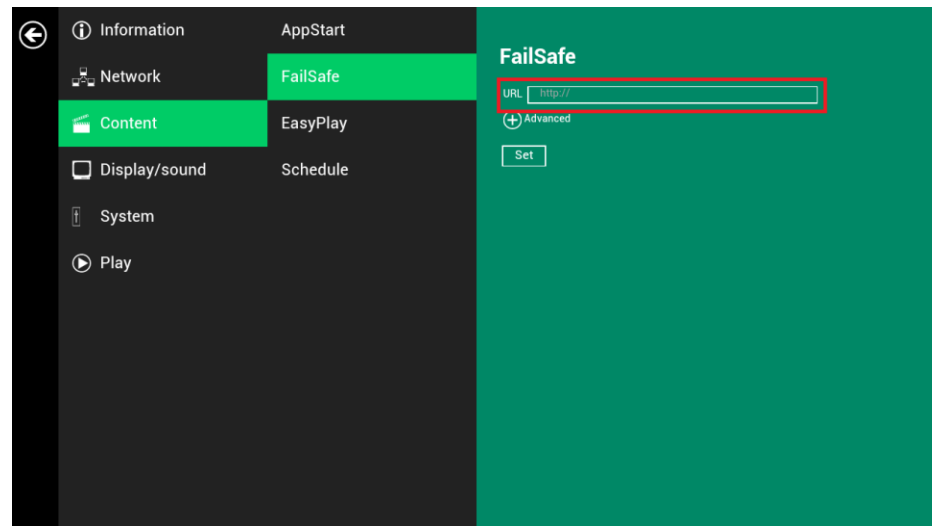


Figure 2.8.1

## 2.9 Content Configuration – EasyPlay

The EasyPlay feature allows the player to play media content from the USB flash drive (or MicroSD card) directly. Please note that media files are not copied to player’s internal storage so the USB flash drive (or Micro SD card) must not be removed.

When EasyPlay is enabled, the player will play content **only** from the USB drive (or MicroSD card). If a user wants to play content from the URL server configured via “**Set content**”, **EasyPlay** must be disabled.

- 1 Insert USB drive or MicroSD card containing media content to play.
- 2 Click the **Advanced** button. (Fig. 2.6.1)
- 3 Click on **Content**, then click on **EasyPlay**.
- 4 Click **Disabled/Enabled** button to enable EasyPlay and choose from 2 available operation mode; Photo Mode and Movie Mode.

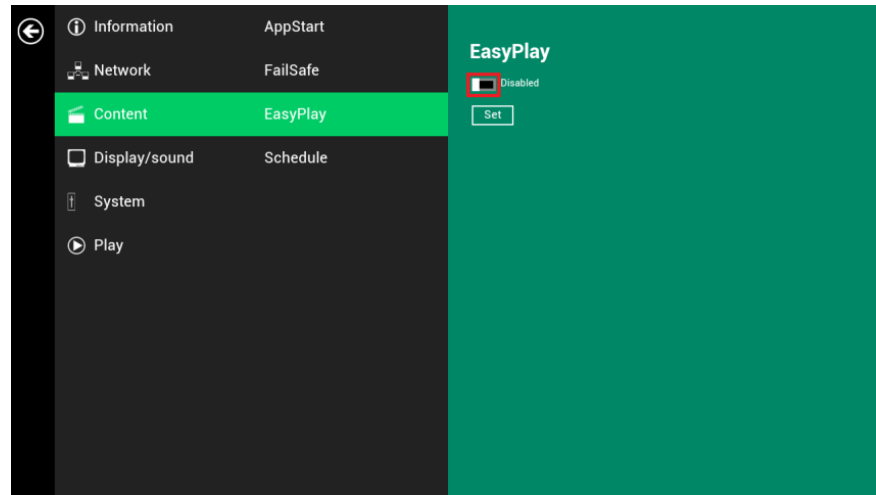


Figure 2.9.1

Configure Photo Mode:

- 1 Click on Photo for choosing photos and music. Click on the buttons as marked in red below and select the directories for photos and music from the USB drive.
- 2 Click **Set** button after selecting the directories.

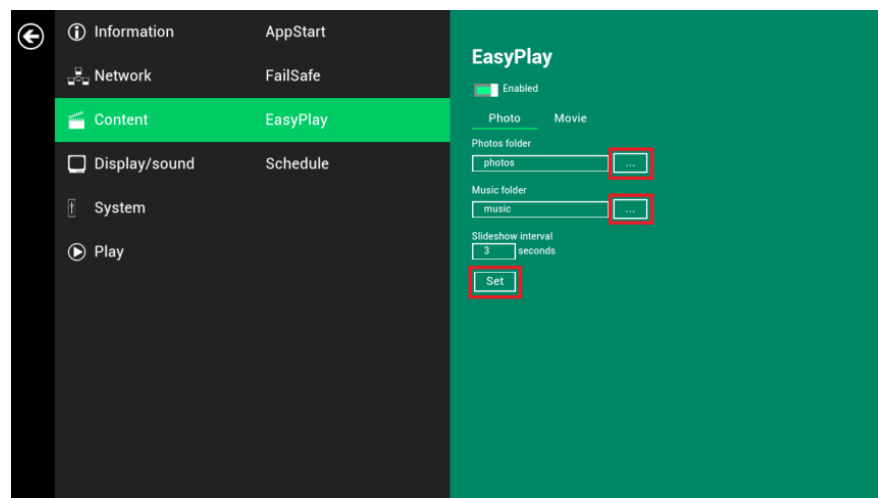


Figure 2.9.2

Configure Movie Mode:

- 1 Click on **Movie**. Click on the button as marked in red below and select the directory for movies from the USB drive.
- 2 Click **Set** button after the folder is selected.
- 3 The files in the selected folders will be played after clicking the Play button in the Basic or Advanced settings menu.

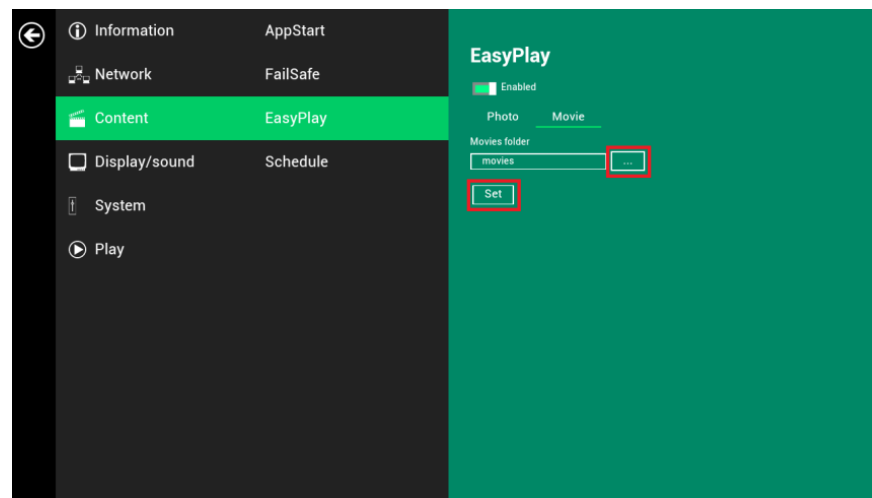


Figure 2.9.3

EasyPlay Schedule Configuration:

- 1 Click the Advanced button. (Fig. 2.6.1)
- 2 Click on **Content**, then click **Schedule**.
- 3 Click on the buttons marked in red below to enable/disable the EasyPlay schedule for each time slots.

Type the scheduled time in the dialogue boxes marked in blue below by using the pop-up keyboard or the USB keyboard.



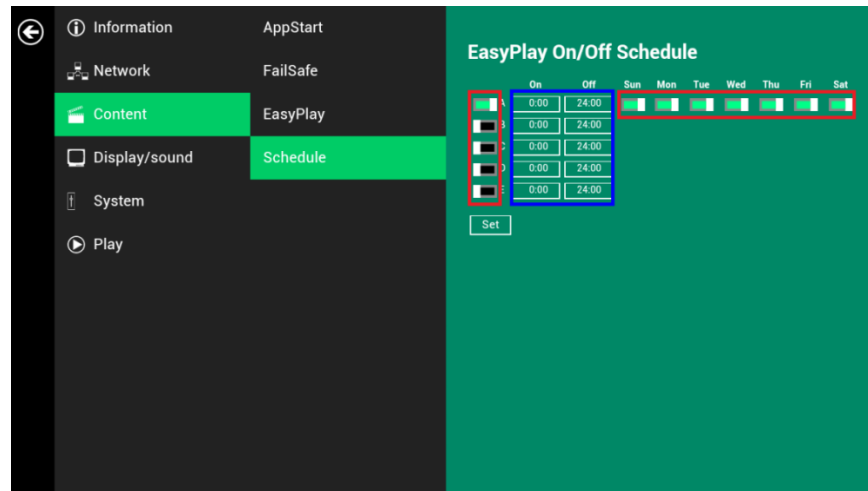


Figure 2.9.4

4 The "On" times assigned in the time slots A-E are **inclusive**. For example, a schedule assigned per the example below:

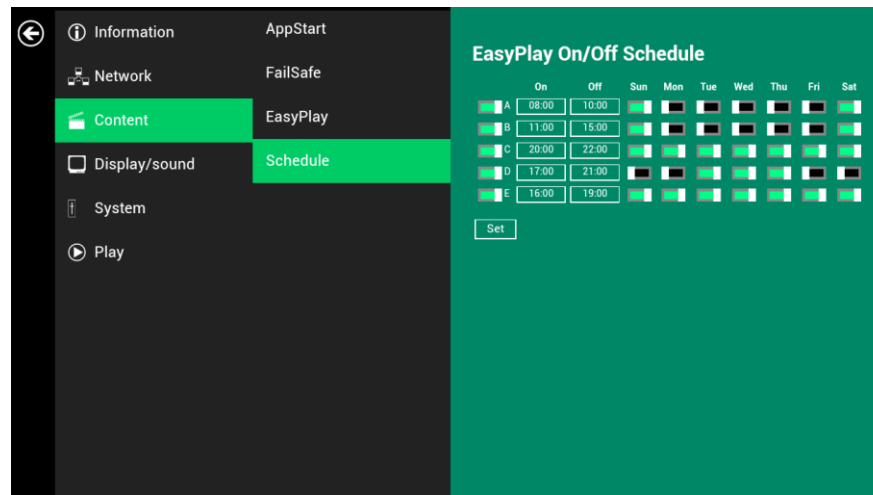


Figure 2.9.5

The exact playback time will be the time slots marked in blue as shown in figure 2.9.6. The dark blue parts are the overlap time of C/D and D/E.

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

Figure 2.9.6

## 2.10 Display Settings

Resolution Settings:

For best quality, set the output resolution to match your display's native resolution to avoid image scaling and blur.

If you are connecting an LCD computer monitor, projector or plasma display, refer to the device specifications for optimal settings.

- 1 Click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.6.1)
- 2 Click the **Display/sound** button, then click on **Display**. The Display Settings page will be launched.

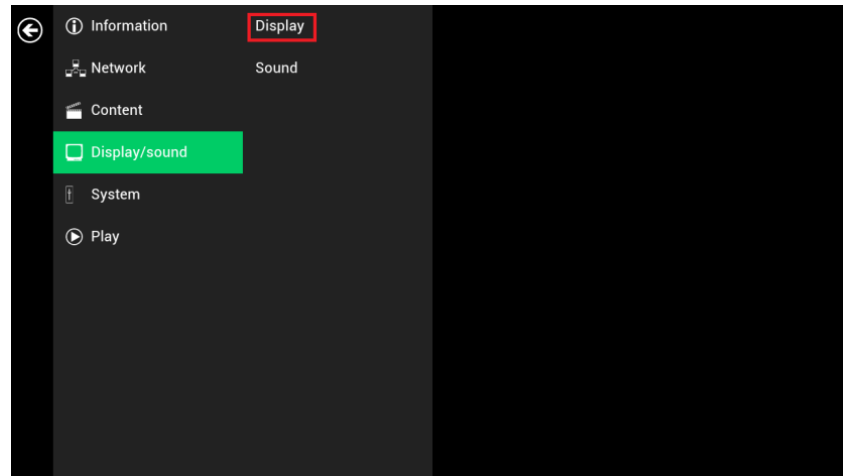


Figure 2.10.1

- 3 Click on **Resolution** and select suitable resolution from the pop-up menu. The default configuration is Auto Detect - player will auto detect and use the best optimized resolution that your display supports.

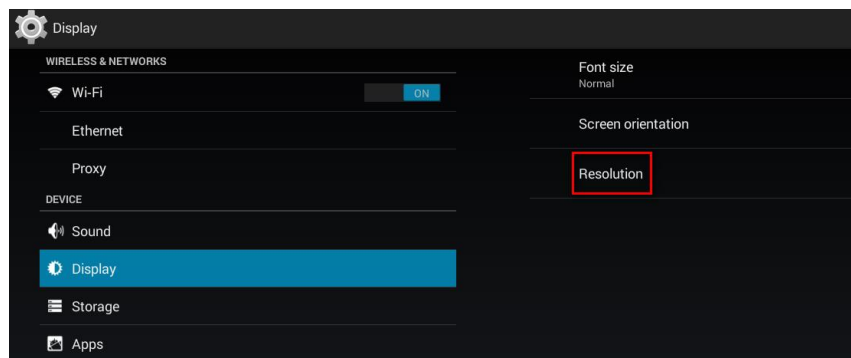
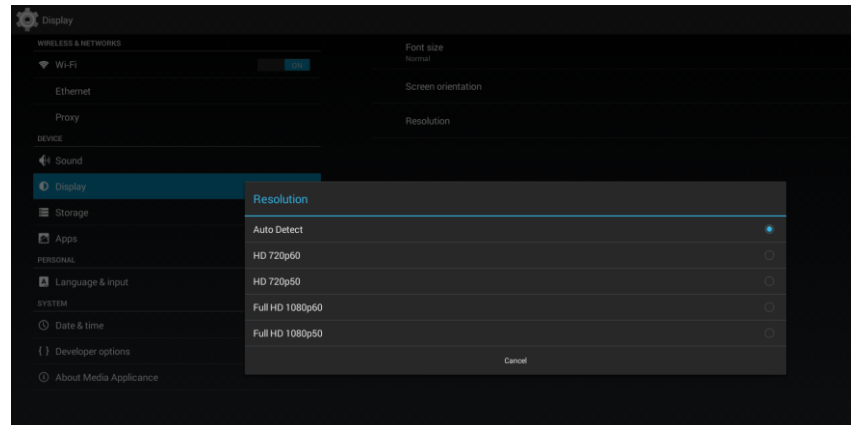


Figure 2.10.2

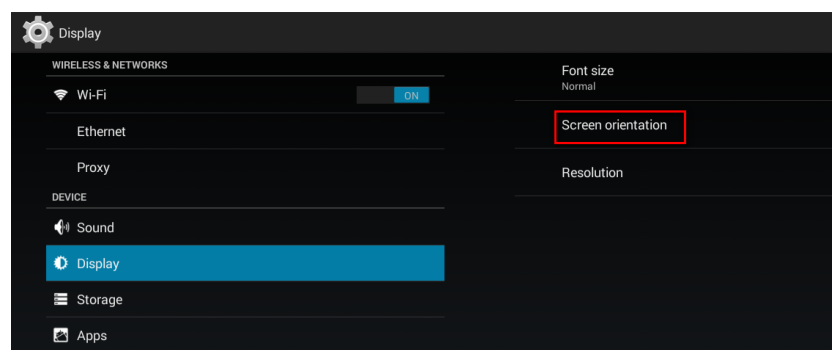


**Figure 2.10.3**

**Screen Orientation:**

Screen orientation is to set the display to rotate 90/180/270 degrees.

- 4** Click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.6.1)
- 5** Click the **Display/sound** button, then click on **Display**. The Display Settings page will be launched. (Fig. 2.10.1)
- 6** Click **Screen orientation** marked in red below.



**Figure 2.10.4**

- 7** Click on the preferred angle from the menu.

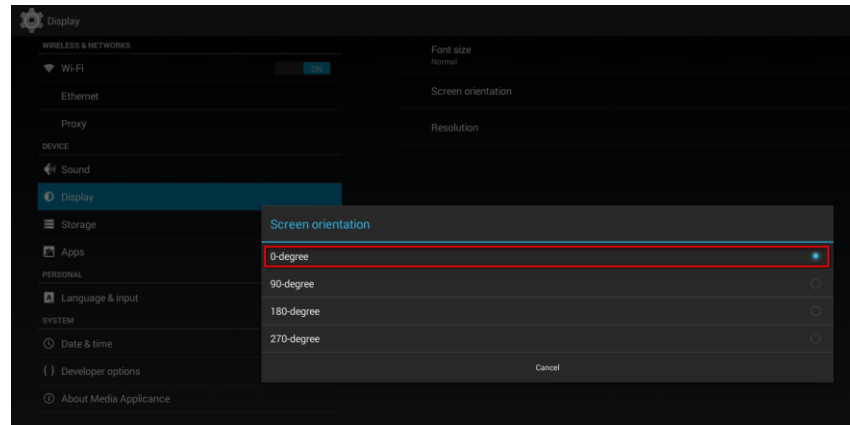


Figure 2.10.5

## 2.11 Sound Settings

To control the output sound volumes and touch sounds:

- 1 Click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.6.1)
- 2 Click the **Display/sound** button, and then click on **Sound**. The Sound Settings page will be launched.

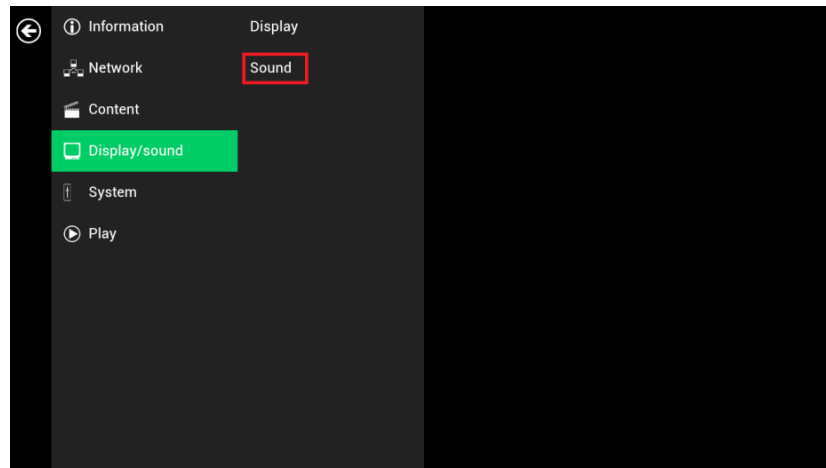


Figure 2.11.1

- 3 Click on **Volumes** and the Volumes settings page will be launched. Drag the blue sliders to adjust the volumes for the selected options, then click OK to save the new settings.

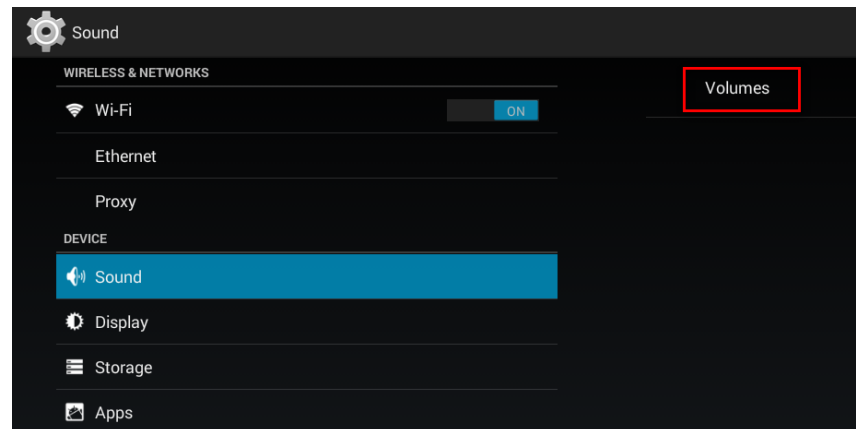


Figure 2.11.2

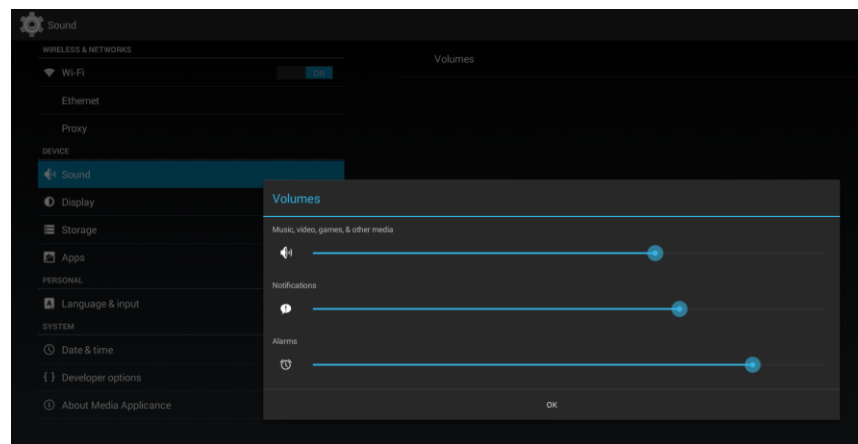


Figure 2.11.3

## 2.12 Access Configuration – Player Name

The player's name can be specified so the player can be easily recognized in the management software (Management software support is required).

- 1 Click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.6.1)
- 2 Click on **Access**, then click on **Player name**.
- 3 Input a name for the field and click **Set**.

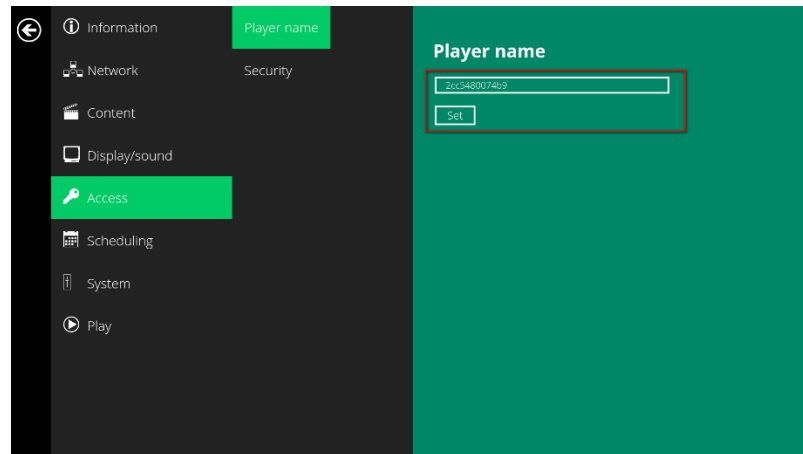


Figure 2.12.1

## 2.13 Access Configuration – Security

A password can be set to provide authentication for player access. If the password is set, a password prompt will appear if a user is trying to enter the Basic settings menu from playback.

- 1 Click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.6.1)
- 2 Click on **Access**, then click on **Security**.
- 3 Input a password in the field and click **Set**.

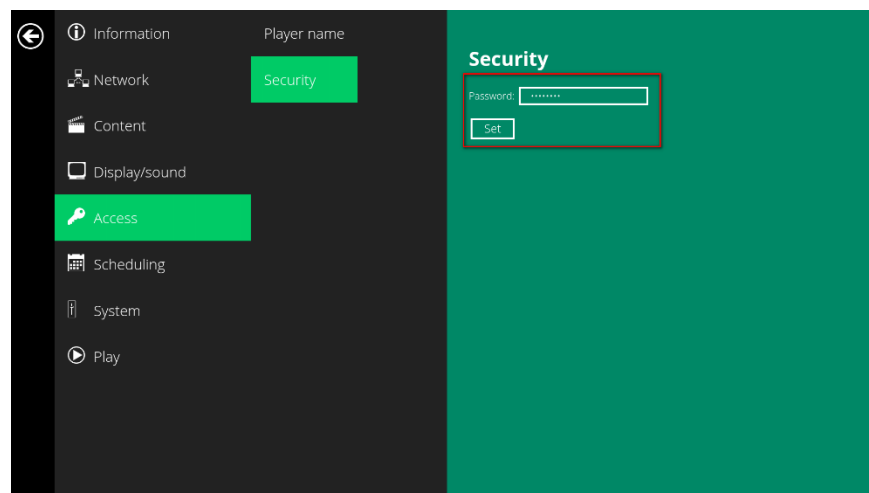


Figure 2.13.1

## 2.14 Scheduling Configuration – Time and Date

This feature will bring up date and time configuration panel as shown below where user can set time as auto or manual, set time zone and time format from here.

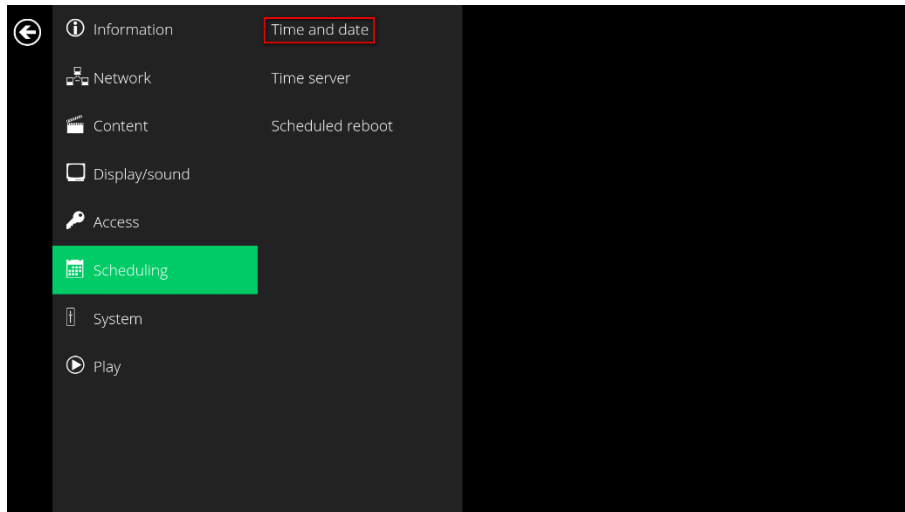


Figure 2.14.1

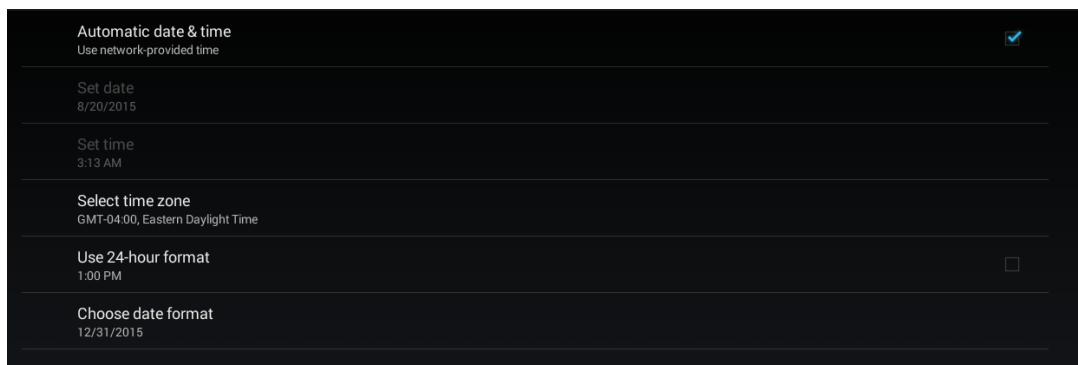


Figure 2.14.2

## 2.15 Scheduling Configuration – Time Server

The feature allows user to synchronize player's time with the web server where the appStart URL hosted. It is dabled by default.

When disabled, the player synchronize it's time with Android default time server ([pool.ntp.org](http://pool.ntp.org)). **This requires internet connection.**

When enabled, player synchronizes it's time with the web server where the appStart URL hosted (based on http response header's time).



- 1 Click the **Advanced** button and the advanced configuration menu will be launched.
- 2 Click on **Scheduling**, then click on **Time server**.
- 3 Click the **Use AppStart URL as time server** button as marked in red below to enable/disable the time server function.
- 4 Click on **Set** to save the setting.

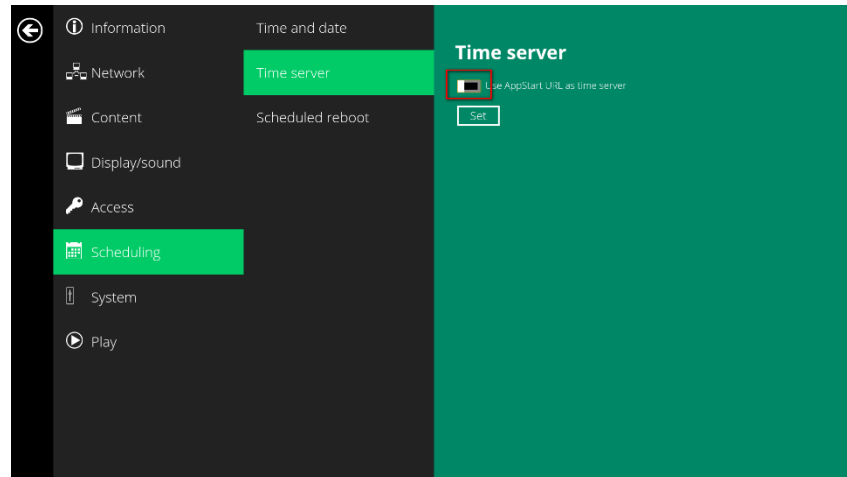


Figure 2.15.1

## 2.16 Scheduling Configuration – Scheduled Reboot

The Scheduled Reboot feature allows the player to reboot on the assigned time automatically every day.

- 1 Click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.16.1)
- 2 Click on **System**, then click **Scheduled Reboot**.
- 3 Click the **Enable daily reboot** button as marked in red below to enable/disable the daily reboot function. Click on the dialogue box to set the time. The value can be entered with the pop-up keyboard or USB keyboard.
- 4 Click on **Set** to save the setting.

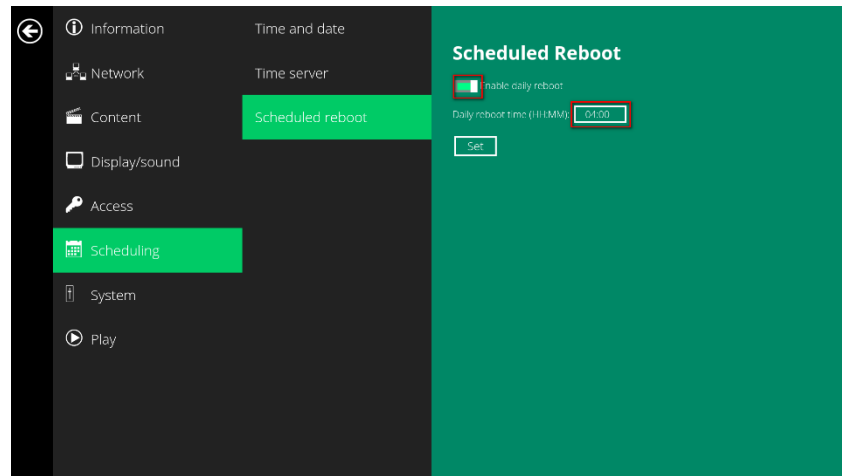


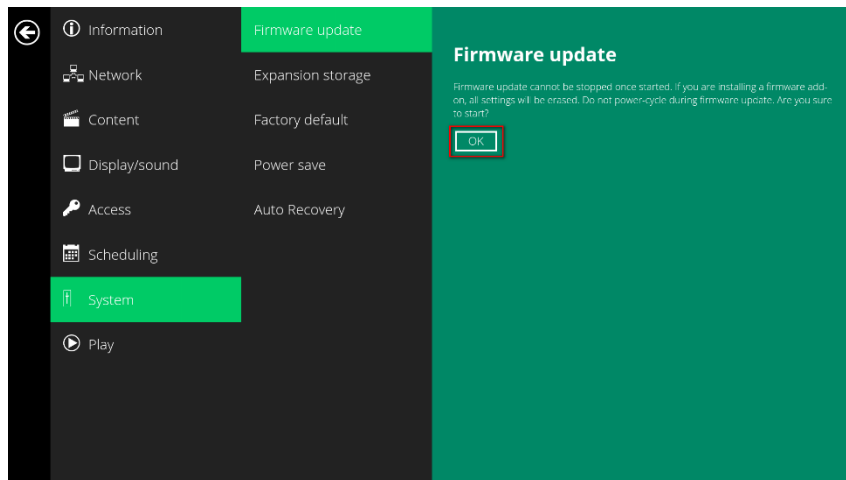
Figure 2.16.1

## 2.17 System Configuration - Firmware Update

Firmware updates can be performed by using a USB flash drive. Please read the release notes regarding the changes that will be made to your player before applying the upgrade.

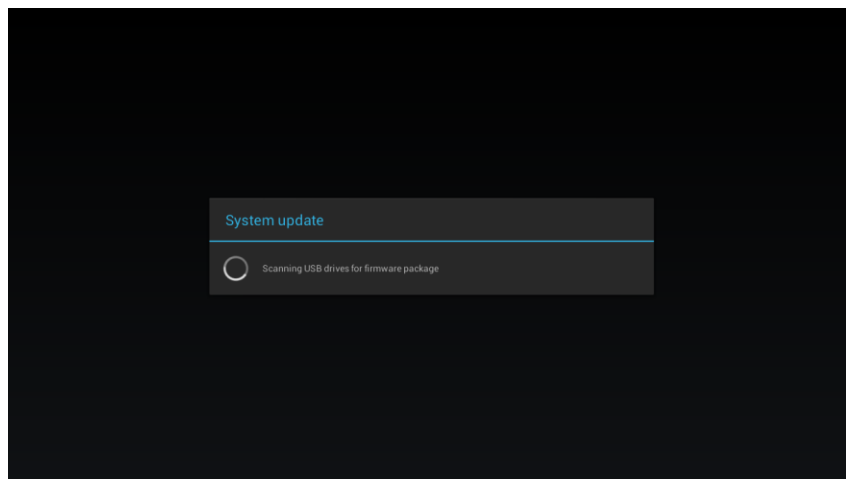
**IMPORTANT: DO NOT** unplug the USB drive or power down the player while the system is performing the firmware update.

- 1 Download the latest firmware from <http://www.planar.com/contentsmart> and copy it to the root directory of a USB drive.
- 2 Plug in the power cord into the device.
- 3 After the boot-up completes, click the **Advanced** button on the Basic settings menu. (Fig. 2.17.1)
- 4 Click on System, then click Firmware update.
- 5 Click on **OK** to begin the firmware update.



**Figure 2.17.1**

- 6** Plug in the USB drive while the screen shows “Scanning USB drives for firmware package.”



**Figure 2.17.2**

## 2.18 System Configuration – Expansion Storage

Users may use a MicroSD card for content storage in place of the main device storage. Please note that internal storage is disabled when using a MicroSD card.

### 2.18.1 Manual Expansion

Power off device.

Insert MicroSD card, then plug in power cord to power on.

In the Basic settings menu, click the **Advanced** button and the advanced configuration menu will be launched. (Fig. 2.6.1)

Click on **System**, then click on **Expansion storage** and click **Initialize**. Player will format MicroSD card then reboot by itself.

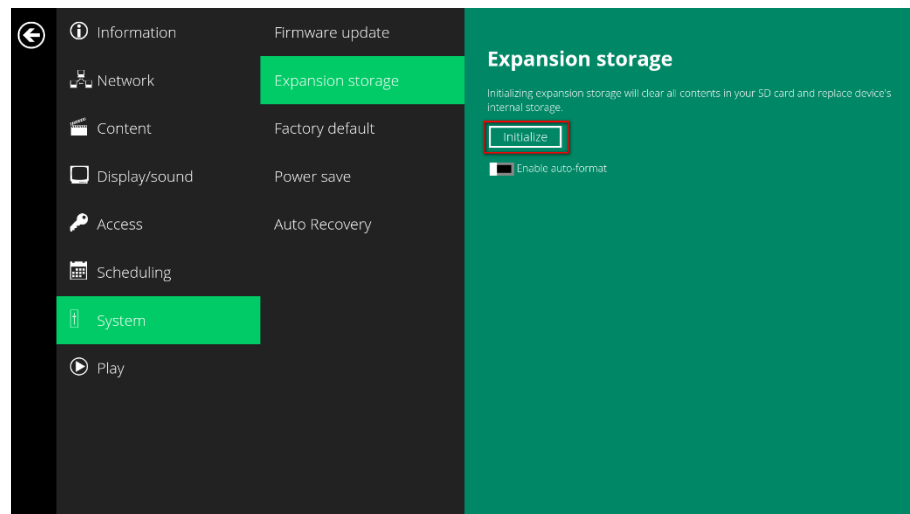


Figure 2.18.1

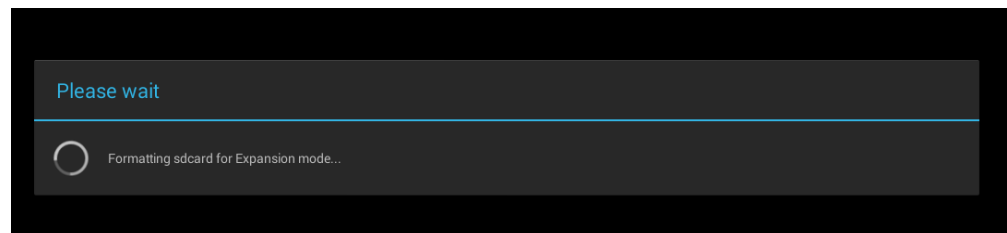


Figure 2.18.2

After boot up, check player information and new capacity will be displayed.

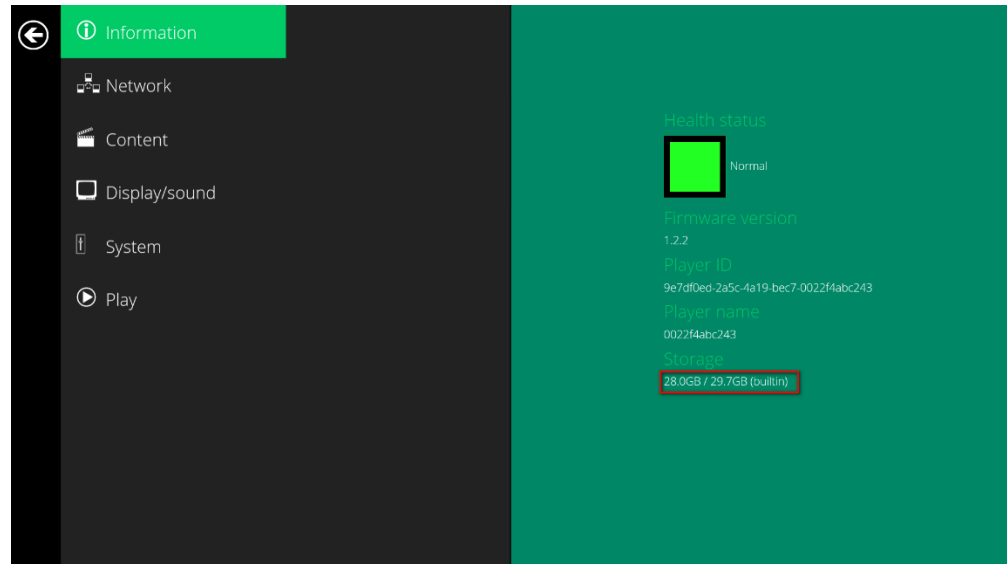


Figure 2.18.3

### 2.18.2 Auto Expansion

In the Basic settings menu, click the **Advanced** button and the advanced configuration menu will be launched.

Click on **System**, then click on **Expansion storage** and enable **auto-format**.

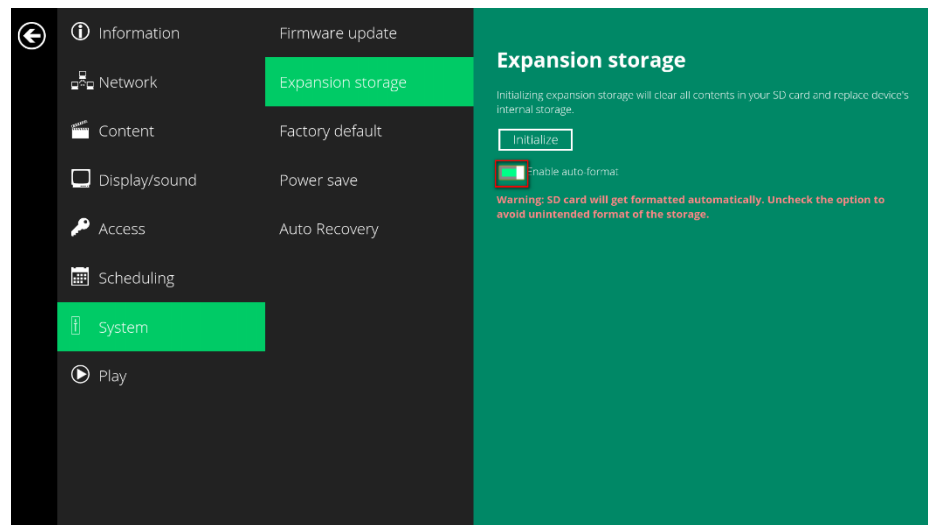


Figure 2.18.4

Power off device.

Insert MicroSD card and then plug in power cord to power on.

After boot up, check player information and new capacity will be displayed.  
(Fig 2.18.3)

## 2.19 System Configuration - Factory Reset

If you forget the system password you have set, you must reset the system to regain access to the player.

### *2.19.1 Using the reset button*

**PRESS** and **HOLD** the reset button with a pin.

**RE-CONNECT** the power cord.

**WAIT** until the status LED flashes.

**RELEASE** reset button and wait for system to initialize.

### *2.19.2 Using a USB mouse*

System reset will re-initialize the system, clear passwords and return settings to their default values. Perform the following:

**CONNECT** a USB mouse or using touch screen for input.

Click the **Advanced** button and the advanced configuration menu will be launched.

Click on **System** configuration and choose **Factory default**.

Click on **OK** button to perform the system reset.

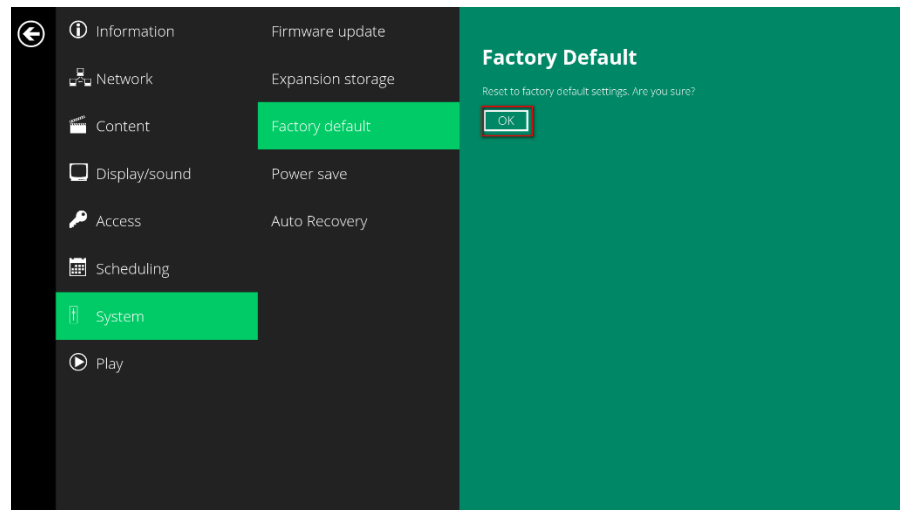


Figure 2.19.1

## 2.20 System Configuration – Power Save

The Power Save feature allows the player to power off automatically while staying at the Basic settings menu without any action taken for 10 minutes.

- 1 Click the **Advanced** button and the advanced configuration menu will be launched.
- 2 Click on **System**, then click **Power save**.
- 3 Click the **Enable Power Save mode** button as marked in red below to enable/disable the power save function.
- 4 Click on **Set** to save the setting.

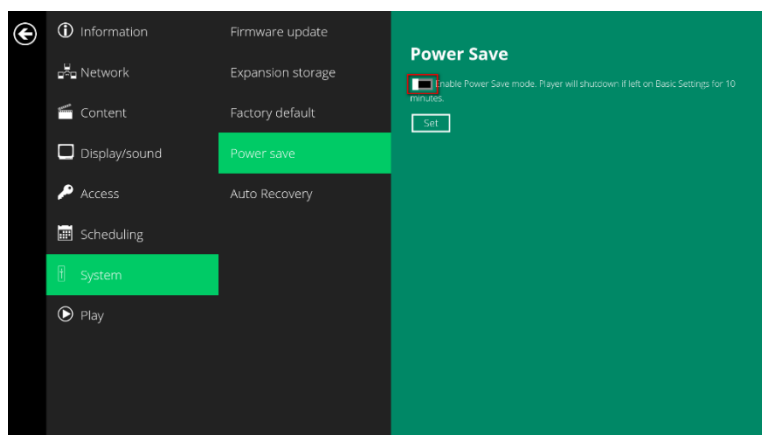


Figure 2.20.1

## 2.21 System Configuration – Auto Recovery

The Auto Recovery feature is designed to automatically re-launch appStart program if it closes unexpectedly. Disabling this feature may cause screen to show initial menu if content crash.

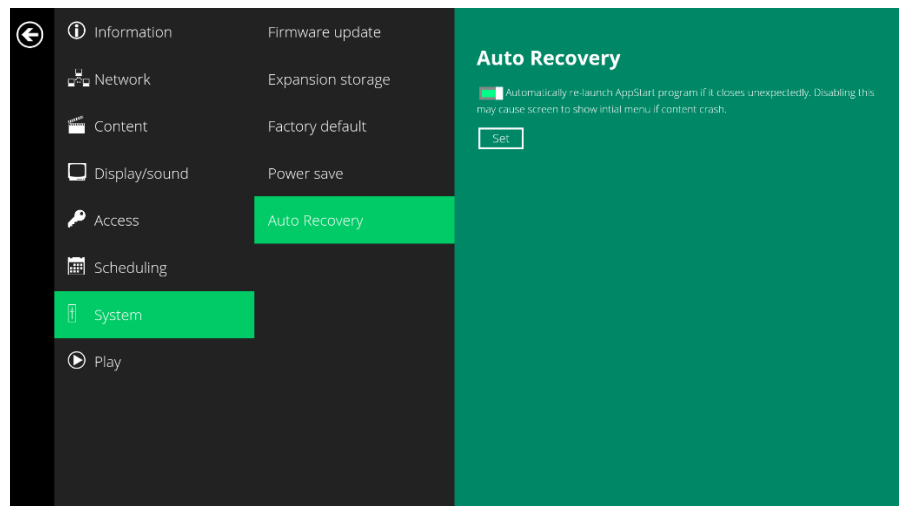


Figure 2.21.1

## 3 Content Management

Please refer to the Planar ContentSmart User Manual for instructions.

## 4 Authoring in HTML5



A major advancement in the player is the ability to playback HTML5 content which can contain dynamic information.

To find out more about using HTML5 for digital signage, visit <http://www.digisignage.com/>



## 5 Working with SMIL

The player uses open communications protocols for content presentation and playback control. SMIL-compliance means predictable results across multiple devices. SMIL's non-proprietary nature means that your investments are never obsolete.

### 5.1 Introduction

Using SMIL (pronounced "smile"), the language created by W3C for multimedia communications, the media player understands the language "spoken" by professional tools from companies such as Adobe, Apple, Microsoft, and Real Networks. What this means is quicker, easier and better integration of your players into your digital signage networks, opening up avenues of software controls and realizing the full potential of your player hardware down the road.

### 5.2 [www.a-smil.org](http://www.a-smil.org) for Developers

The media player operating system utilizes W3C SMIL as the underlying scripting language, which lends well to customization to your project management needs. For resources, downloads and community support, visit [www.a-smil.org](http://www.a-smil.org).

## 6 MP60 Specifications

<p><b>Video format support</b></p>	<p>POP AI Screen Media Standards            S6 (MPEG-1 SIF, 3Mbps CBR)            S7 (MPEG-1 480p, 10Mbps CBR)            S8 (MPEG-1 720p, 15Mbps CBR)            S9 (MPEG-2 480p, 6Mbps CBR)            S10 (MPEG-2 720p, 12Mbps CBR)            S11 (MPEG-4 AVC, 480p, 6Mbps CBR)            S12 (MPEG-4 AVC, 720p, 10Mbps CBR)            E4 (VC-1/WMV9, MP@ML, 720p)            E7 (MPEG-4 ASP, 480p, 10Mbps CBR)            E8 (MPEG-4 AVC, 1080p, 10Mbps CBR)</p>
<p><b>Image format support</b></p>	<p>POP AI Screen Media Standards            S1 (JPEG 480p baseline)            S2 (JPEG 720p baseline)            S3 (JPEG 1080p baseline)            E1 (PNG 24bpp+alpha, 480p)            E2 (PNG 24bpp+alpha, 720p)            E3 (PNG 24bpp+alpha, 1080p)</p>

<b>Audio codec support</b>	POPAI Screen Media Standards S4 (MPEG L2 audio) S5 (MP3 audio, 320Kbps)
<b>Dynamic content</b>	W3C HTML5 (HTML, CSS, JavaScript) W3C SMIL 3.0 instructions (sub-set)
<b>Physical I/O connectors</b>	HDMI 1.4 for AV INPUT HDMI 1.4 for AV OUTPUT VGA RS232 USB 2.0 x 3 RJ45 Ethernet port Wi-Fi antenna port Micro USB for ADB Micro SD card slot LED: Power/Status
<b>Local storage</b>	8 GB eMMC (up to 6 hrs of typical 720p video @ 3 Mbps) Micro SD card expansion slot
<b>Accessories</b>	AC adapter HDMI cable Wi-Fi antenna Velcro ( 2 sets ) Micro SD card slot bracket/screw x1 Power jack bracket/screw x1
<b>Power requirement</b>	12V 1.5A DC
<b>Power consumption</b>	6 W
<b>Environmental</b>	Operating temperature: 0 – 50° C / 32 – 122° F Humidity: 10 – 85% @ 45° C / 32 – 113° F non-condensing
<b>Dimensions</b>	Top housing: 5.45" x 3.85" x 1.18" (138.60mm x 98mm x 30.20mm)  Base: 5.45" x 5.04" x 1.18" (138.60mm x 128.10mm x 30.20 mm)
<b>Weight</b>	0.8 lbs (366 g)
<b>Certifications</b>	CE, FCC, IC, RoHS
<b>Warranty</b>	Three years

## 7 Technical Support

### 7.1 FAQ

- ***The operation indicators light up but no video is displayed on the screen***

Ensure that your video cable (HDMI) is securely connected. When using an HDMI connection choose high quality, certified HDMI cable or try using shorter length cables. Check if your monitor is turned on and the correct video input source is selected.
- ***What video format can I play?***

Video files encoded in MPEG-4 AVC up to 1920x1080 resolutions and 10Mb bitrates should play perfectly. If a certain video is not played as scheduled, or if it plays poorly, search the support site for “encode” instructions.
- ***The player is placed near my Wi-Fi access point yet the connection is unreliable.***

Wi-Fi appliances in general should be placed 10 feet (3 meters) from the Wi-Fi access point for reliable operation. Try relocating the access point further away from the player to improve connection.
- ***If both Ethernet & Wi-Fi are connected, which one will take precedence?***

If both connections are available, Ethernet will be used.
- ***What should I do if I forgot my password?***

Perform a factory reset.  
Use the S/W RESET button located at the back of the media player to restore factory settings. This will also clear the player’s password.
- ***How do I manage the playback of contents?***

The media player is designed to be interoperable with leading 3<sup>rd</sup> party management software solutions or via SMIL open standard commands.
- ***Can the player display Flash or Microsoft PowerPoint presentations?***

The player features limited PowerPoint support, but not Flash support.  
While PCs can play many formats with varying degrees of success, RISC-based media

players are designed to reliably play specific video formats (see spec for details). While Microsoft PowerPoint native files cannot play directly on a RISC-based player, the file can be converted into an image format to be played as an image slideshow.

➤ ***Why won't some media files play properly?***

The video data bit-rate used may have exceeded the recommended bit rate.

The video data bit-rate is the amount of video or audio data used per second to store or play the content, usually expressed in Mbps (mega-bits per second). Video encoded with excessive bit-rates will not playback smoothly in the media player, likely due to storage I/O bottleneck.

Visit <http://www.planar.com/contentsmart> for compatible media format presets.

➤ ***The media playback looks different on a PC compared to the media player's screen. (Wrong aspect ratio)***

There are 2 major aspect ratios (width-to-height ratios) for video content, but there are many kinds of displays. If you play 4:3 video on a 16:9 display (or vice versa), a circle becomes oval and the picture takes on a squeezed or stretched look. To avoid this distorted look, adding black bars are a common technique.

The Network Media Player can be configured to automatically add black bars for certain types of displays. You can set the output resolution in the player's configuration menu to match the **native resolution** of your display.

➤ ***Some JPEG images cannot be played in the media player.***

The media player works best with FHD (1920 x 1080) images. Playback of native images directly from the camera may result in an image being displayed incorrectly or not at all.

➤ ***Does the media player support video streaming?***

No. Media players play files from local storage and do not support real-time video streaming over the network. This delivers an optimum viewing experience free of playback quality issues such as stuttering, blocking or blue-screens.

➤ ***The player is not playing. What should I do?***

Playlist errors and scheduling issues are two major causes of playback problems. To determine if the problem is caused by a bad playlist, delete the playlist and restart the player. The player should loop-through all media files, indicating a fault with the playlist.

If the playback is scheduled to play at specific time, check to see if the device is set to the right time zone on the world clock. If nothing appears wrong, the time zone setting is often the reason the program is not played.

- ***The video is playing but I can't hear any sound, what should I do?***  
Check volume (mute) settings on monitor.

## 7.2 Planar Support

### *7.2.1 Cables and Accessories*

To find cables and accessories for your Planar monitor, touch screen or other Planar products visit our online store at [www.PlanarOnline.com](http://www.PlanarOnline.com).

### *7.2.2 Contact Planar*

Visit Planar at [www.planar.com/Support](http://www.planar.com/Support) for operation manuals, touchscreen drivers, warranty information and access to Planar's Technical Library for online trouble shooting. To speak with Planar Customer Support, have your model and serial number available and call:

**Planar Support**

Tel: 1-866-PLANAR1 (866-752-6271) or +1 503-748-5799 outside the US

Hours: 24 hours a day, 7 days a week

Toll or long distance charges may apply

## **Leyard Optoelectronics Co., Ltd. and Planar Systems, Inc.**

Customer Service

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[www.leyard.com/en/support](http://www.leyard.com/en/support)

1195 NE Compton Drive

Hillsboro, OR 97006

Tel: 1-866-PLANAR1 (866-752-6271), +1 503-748-5899 outside the United States

Hours: 24 hours a day, 7 days a week

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