



User Manual

ECMB002-S

Digital Signage Media Box

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1. OVERVIEW

Thank you for purchasing the EC Line all-in-one digital signage kiosk, EC-Line is committed to continuously improve product quality and provide better after-sales service. In order to take full advantage of our devices, we strongly recommend that you take the time to read this manual before diving into software solution.

Note: Information in this manual may change without prior notice.

2. INTRODUCTION

ECMB002-S digital signage media box is designed based on Rockchip RK3288 chip. Which is CPU frequency up to 1.8GHZ and quad-core architecture Cortex-A17 and DDR3 2G memory and 8G of storage. These super-performances ensure high-speed run of terminals. The most eye-catching of this device is supporting 4K H.265 decoding. We have taken extreme measures to make sure the media box player is 100% reliable and conforms to our certification process

3. PACKING INFORMATION

1. ECMB002-S Digital Signage Media Box
2. Power Supply
3. Remote Control
4. HDMI Cable
5. Power Cord
6. Antenna
7. EC Line Warranty Card

4. REMOTE CONTROL

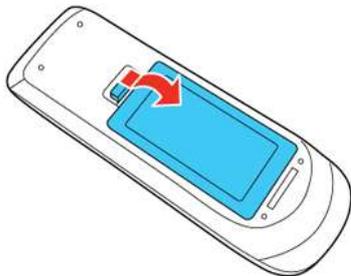
The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully to use the monitor correctly. To install batteries, open the battery cover, place batteries (1.5 V AAA) matching + and - terminals to the labels inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse. The illustrations may differ from the actual accessories.

CAUTION

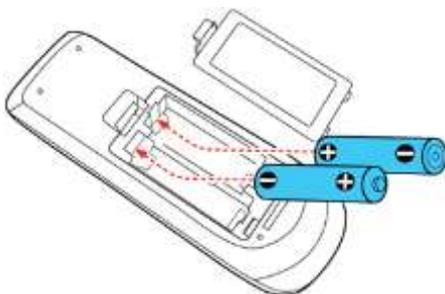
- Use only the type of batteries specified in this manual.
- Do not install batteries of different types, or mix new and old batteries.
- Be sure to point the remote control toward the remote control sensor on the media box
- Be sure to point the remote control toward the remote control sensor on the media box
- Some features of the remote control may not be supported in certain models.

4.1 CHANGE BATTERY

1. Open the battery cover as shown.



2. Insert the batteries with the + and - ends facing as shown.



4.2 FUNCTION FOR REMOTE CONTROL



Button	Function
POWER/⏻	Power on or off
MENU	Display settings
SETUP	Menu settings
SOURCE/➡	Input source
▲	Up (navigation)
◀	Left (navigation)
▶	Right (navigation)
▼	Down (navigation)
▶/	Play media
■	Stop media
◀◀	Previous
▶▶	Next
🔇	Display settings
🔊+	Raise volume
🔊-	Lower volume

** Function for "Source" is nil for some models

5. INSTALLATION GUIDE

5.1 APPEARANCE



Front View



Rear View



Front View
with
Antenna

5.2 SPECIFICATION

MODEL	ECMB002-S
MAIN	
CPU	Quad-Core ARM Cortex A17 (Up to 1.8GHz)
GPU	ARM Mail-764
RAM	DDR3 2GB
Storage	8GB eMMC Flash (4GB Occupied by O/S, 4GB Available)
OS	Android OS
Network	Wireless / Lan
Feature	Fanless
Media	MPEG1 / MPEG2 / MPEG4 / H.264 / H.265 / WMV / MKV / TS / flv / MP3 / JPG / JPEG / BMP / PNG / GIF / etc.
INTERFACE	
I/O Interface	4 × USB
	1 × OTG
	1 × RS232
	1 × IR_EX
	1 × TF Card
	1 × Audio
	1 × VGA
	1 x HDMI (Supports 1920x1080 Full HD Resolution)
	1 × LAN
PHYSICAL SPECIFICATIONS	
Dimension (mm)	230 W × 130 D × 30 H
Net Weight (G)	615
POWER	
Power Supply	DV 12V
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0°C~40°C
Storage Temperature	-40°C~70°C

5.3 CONNECTION TO DISPLAY UNIT

5.3.1 Video Output

- HDMI – connect the HDMI cable between the media box and display unit
- VGA – connect the VGA cable between the media box and display unit

5.3.2 Connect the power supply that provided

5.3.3 When the system start, it can start the CMS setting in the Android system

5.4 ETHERNET / NETWORK SETTING

5.4.1 Click the “Setting” at the main screen

5.4.2 Click “Network Setting” and choose the network that needs to connect Wireless

- Setting for wireless network
 - ◆ Select the “Wireless” and open
 - ◆ Select the Wireless desirable network and enter the password, then will connect if the information is entered correctly.
- Setting for wired network
 - ◆ Plug in the ethernet cable and it will connect automatically

Network is ready to use after the setup is correctly completed.

6. SYSTEM CONFIGURATION

6.1 HOME SCREEN

Once your screen has powered up and begins to play content press the “STOP” button on the remote control to go back to the Home Screen (Figure 1).



Figure 1

6.2 SYSTEM MENU OPERATION

From the Home Screen you can bring up the Main Menu by pressing the “SETUP” button the remote control. The Main Menu includes following sub-menus: System Settings, System Control, Date & Time, Power On/Off, Timer Strategy, File Management and Exit.

Press ↑ & ↓ to select the right item, press “PLAY” to confirm selection. To get back to the side menu press the “LEFT” navigation button on the remote control.



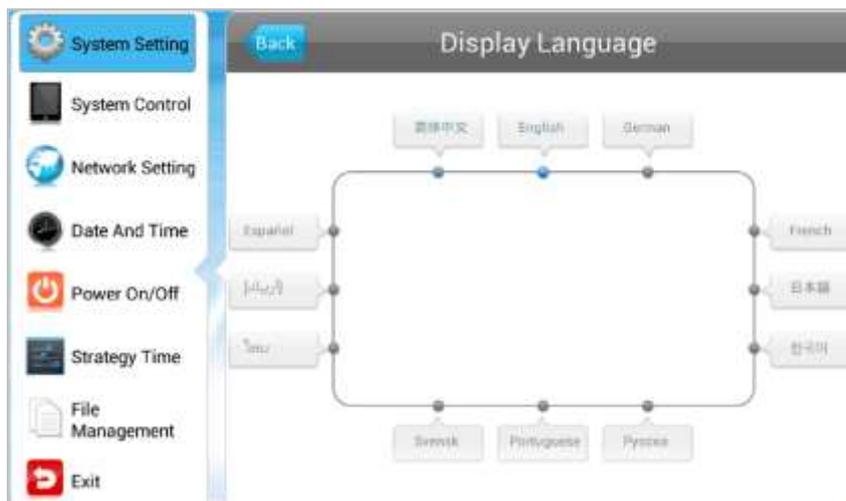
6.3 SYSTEM SETTINGS

The sub-menus within this section are: Display Language, Screen Mode, Screen Resolution, On Screen Clock, USB, Scrolling Text, Sync Settings, Restore to Factory Settings and Auto Start. To exit a sub-menu please press the “LEFT” navigation button the remote control, you can now navigate through the Main Menu sub-menus.



6.3.1 Display Language

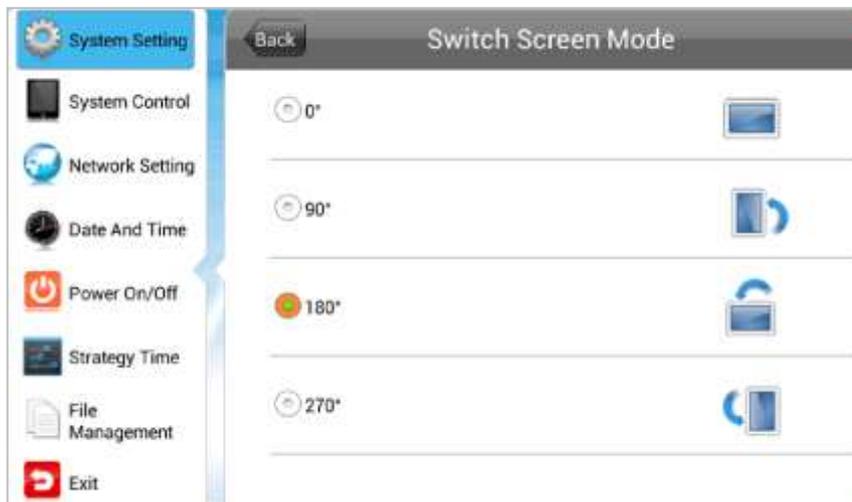
The On Screen Display supports multiple languages, the default being English. As with all menu operation press “DOWN” to access the sub-menu then use the navigation buttons to select the right item, then “PLAY” to confirm selection.



6.3.2 Switch Screen Mode

Here you can set the screens orientation so as the OSD and content display correctly. There are 4 options as pictured below:

- 0° (default landscape) - Displays in landscape
- 90° - Displays in portrait, and turn left 90 degrees.
- 180° - Displays in landscape, and upside down.
- 270° - Displays in portrait, and turn left 270 degrees (right 90 degrees.)



6.3.3 Screen Resolution

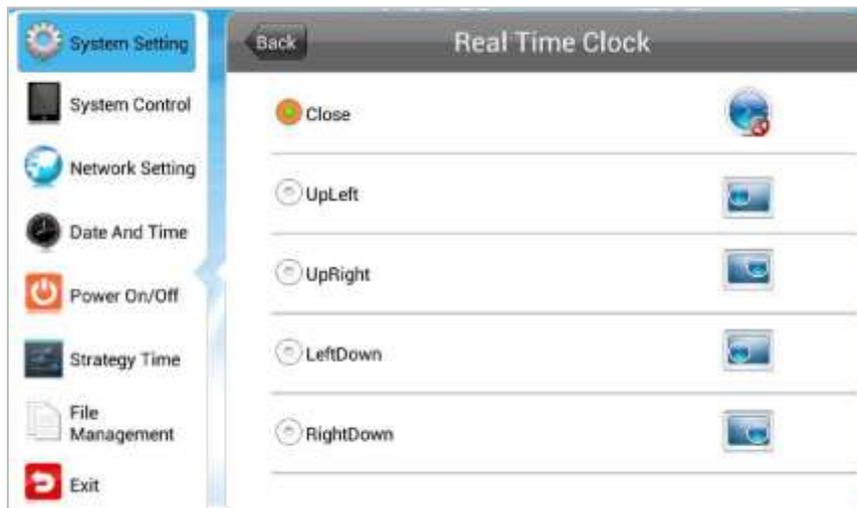
This menu allows you to set the screen resolution; this should be set to 1920x1080.



6.3.4 Real Time Clock

This option allows you to display a clock while content is playing. There are 5 options as pictured below:

- Close: The screen doesn't display time.
- Top Left: The time will be displayed on top left of the screen.
- Top Right: The time will be displayed on top right of the screen.
- Bottom Left: The time will be displayed on bottom left of the screen.
- Bottom Right: The time will be displayed on bottom right of the screen.



6.3.5 Play Log

This is a network function only and is disabled on this screen.



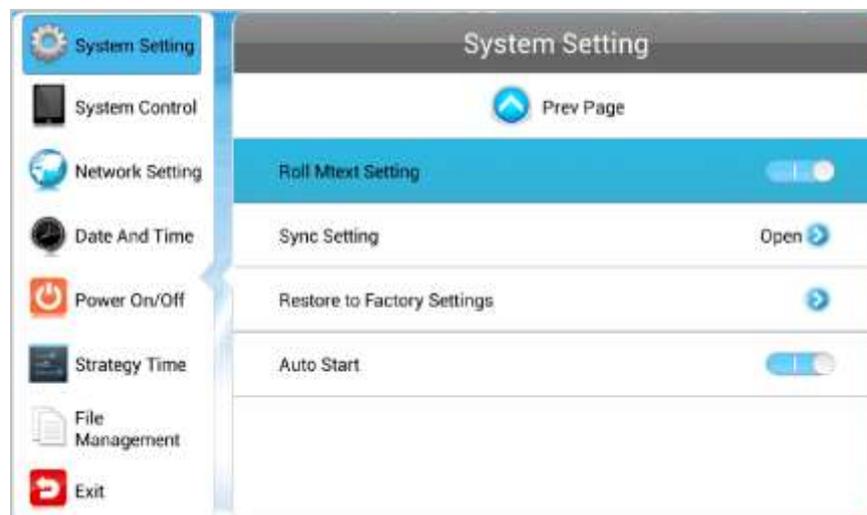
6.3.6 USB

This allows you to enable or disable the USB port. If you want to be able to update the screen please ensure this is turned on (blue).



6.3.7 Scrolling Text

This allows you to enable or disable the scrolling text function. If you have included scrolling text in your playlist (using the scheduling software) and want it to display please ensure this is turned on (blue).



6.3.8 Sync Settings

This is a network function only and is disabled on this screen.



6.3.9 Restore to Factory Settings

Highlight "Yes" and press "PLAY" to restore factory settings; this will restore all system settings back to default.



6.3.10 Auto Start

This feature allows your screen to start playing the pre-loaded content as soon as it has finished booting up. If you want to enable this feature (recommended) please ensure this is turned on (blue).



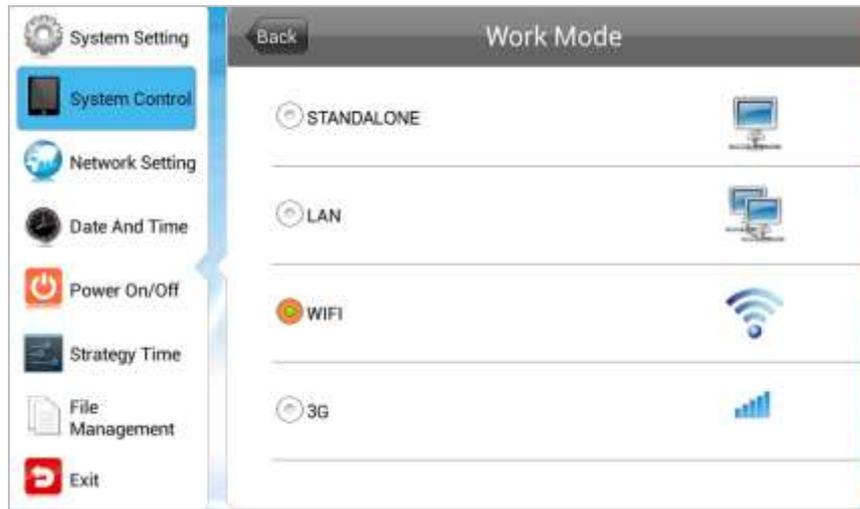
6.4 SYSTEM CONTROL

To exit a sub-menu please press the “LEFT” navigation button the remote control, you can now navigate through the Main Menu sub-menus. The sub-menus within this section are: Work Mode, Play Mode, Content Storage, Image Duration.



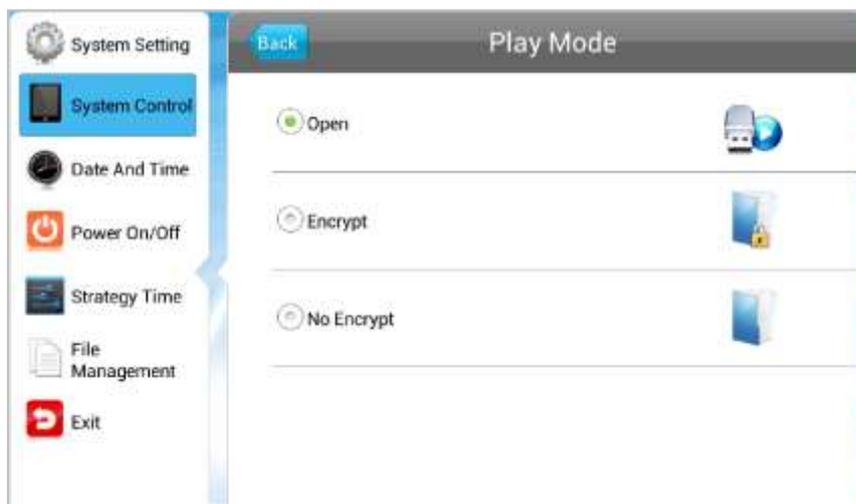
6.4.1 Work Mode

This feature allows you set the update method for your screen.



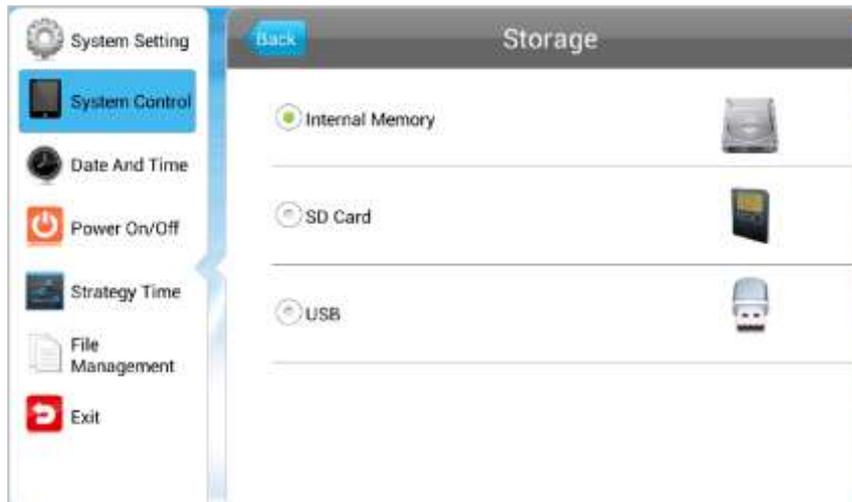
6.4.2 Play Mode

This feature is only available if the screen is set to “STANDALONE” mode and should be set to “Open”.



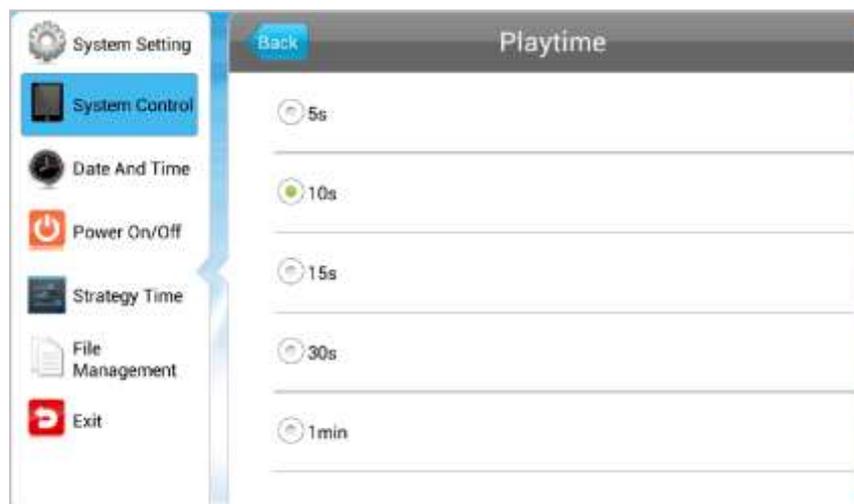
6.4.3 Current Storage

This feature allows you to display content directly from a USB stick should you want to. We recommend that you set this feature to “Internal Memory” however if you want your content to displays directly from your USB stick (and not copy over) please select “USB”.



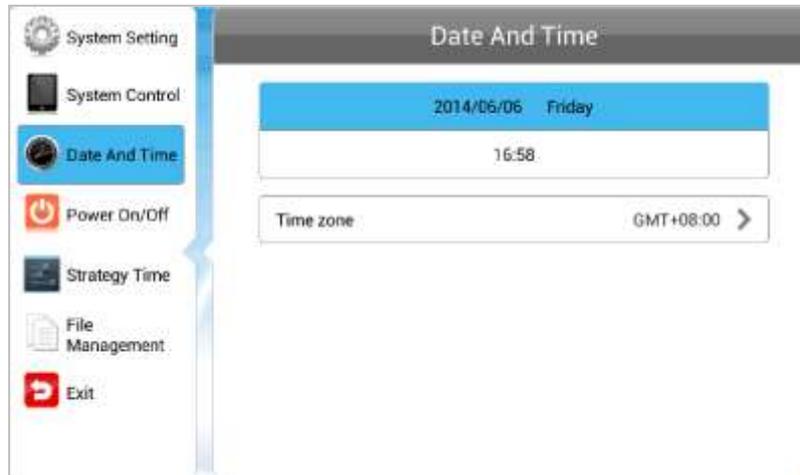
6.4.4 Image Duration

This feature allows you to set default duration time for your images (when not using the scheduling software).



6.5 DATE & TIME

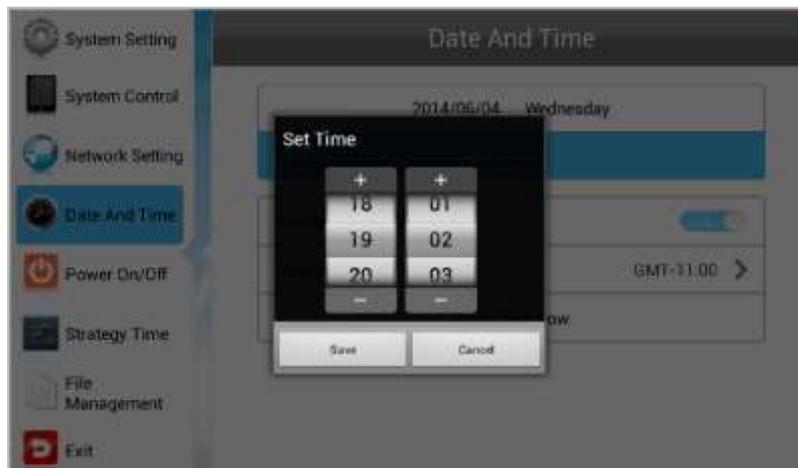
To exit a sub-menu please press the “LEFT” navigation button the remote control, you can now navigate though the Main Menus sub-menus. To set accurate values first select the top “date” field by pressing “PLAY”.



Another window will now appear, allowing you to set your date values by using the navigation buttons on your remote control and the on screen “+” and “-” icons. Once you have finished navigate to and select “Save”.

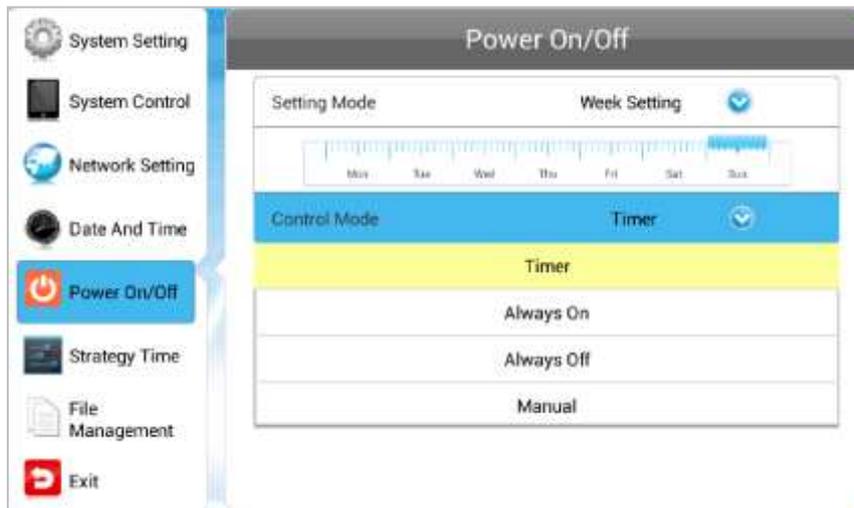


Set the time using the same method, saving when complete.



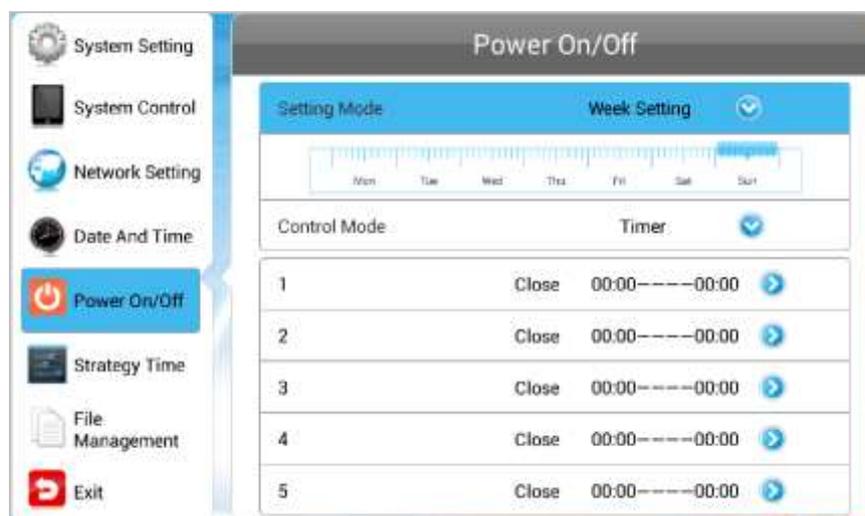
6.6 POWER ON/OFF

Here is where you can set up your screens on/off timer, should you want it to power on and off automatically at designated times. If you do not wish to set on/off times for your screen please set the “Control Mode” to “Manual”.



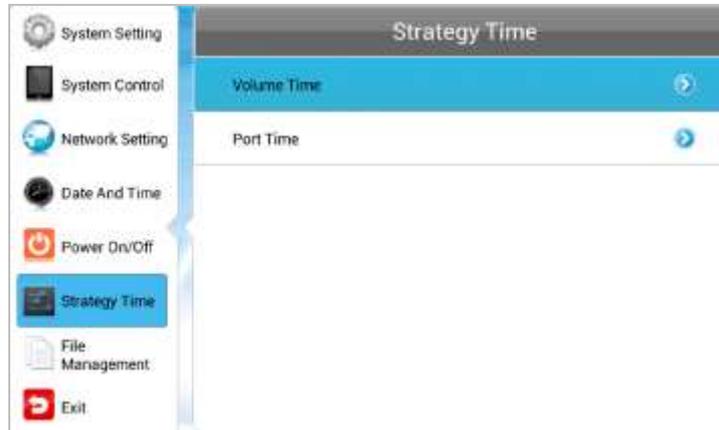
There are two “Setting Modes” – “Daily”, allowing you to set the same on/off times for every day of the week or “Weekly”, allowing you to set individual on/off times for each day of the week.

To activate the on/off timer set the “Control Mode” to “Timer”. Next set the “Setting Mode” to either “Daily” or “Weekly”. Finally using the navigation buttons on your remote control navigate t the timer fields, press “PLAY”, and assign on and off times.



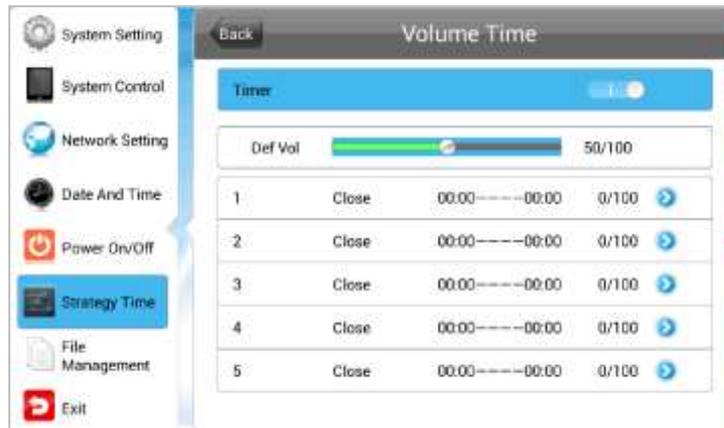
6.7 TIMER STRATEGY

This feature allows you to schedule your screen to play at different volumes at different times of the day and switch to different AV inputs at different times of the day.



6.7.1 Volume Timer

To enable this feature turn the slider on (blue). New fields will now appear allowing you to set a default volume level as well as timer fields for setting different volume levels for different periods of the day.

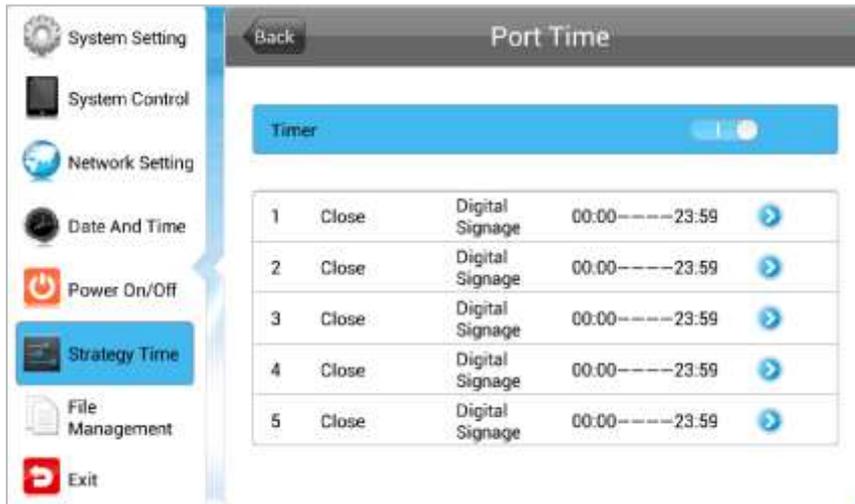


Navigate to a timer field and press "PLAY" on your remote control. Activate the timer, set a volume level and also a start and end time. Finally navigate to and select "SAVE".

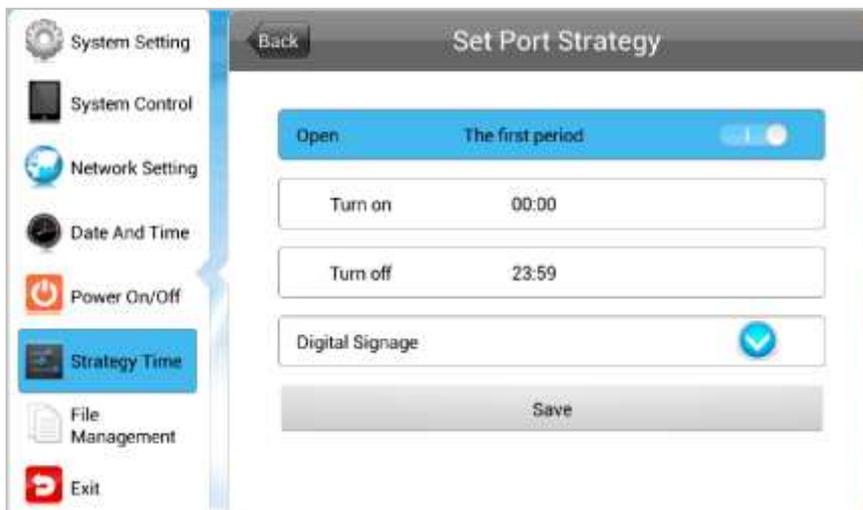


6.7.2 Port Timer

To enable this feature turn the slider on (blue). New fields will now appear allowing you to set different AV inputs for different periods of the day.



Navigate to a timer field and press “PLAY” on your remote control. Activate the timer then set a start and end time and an AV input. Finally navigate to and select “SAVE”.



6.8 FILE MANAGEMENT

Here, you can check storage information such as memory capacity, used space and free space. You can also format the disk. You should be extremely careful here as formatting the disk will result in a total loss of data.



6.9 EXIT

Highlighting and selecting this section will exit the Main Menu. If you have made any changes the system will ask to if you want to reboot the screen so that the changes can take effect, select "YES".

7. TROUBLESHOOTING

1. Media Box does not start

- a) Check the power is plugged in correctly to the power outlet.
- a) If the media box does not boot after a sudden power failure or illegal shutdown, unplug the power from the power outlet, and plug in again after 1 minute.

2. Media Box automatically restart (or shutdown)

If the media box is frequently automatic shutdown or auto-boot during operation (or boot up),

- b) Check the power is connected properly; make sure the plug is not loose and contacts are in good condition;
- c) Check if the AC line voltage is stable;
- d) If any new hardware is added or replaced that caused this problem, remove the hardware and reboot;
- e) Check the power control setting, power interrupted.
- f) If the above steps do not resolve this problem, contact the certified technician.

3. Couldn't automatically update contents from CMS cloud server

- a) Check the WIFI setting, make sure the setting is correct
- b) Forget to change password in the WIFI setting after changed
- c) Network cable loose or broken

Manufacturer: EC LINE

Thank you very much for using EC Line product

For service, please contact service@ecline.com.hk



www.eclinepos.com