

LCD Digital Signage User Manual (V2.1)



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject

to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Introduction

Notice: Any operation on this product must be carried out by professional engineering and technical personnel.

This manual mainly explains the field of use, technical parameters, operating instructions, and daily installation and maintenance of outdoor LCD products.

1、Product Introduction

1.1 Summarize

Outdoor liquid crystal (LCD) advertising machine, unaffected by the weather, displays your information outdoors, bringing good visual and auditory enjoyment to outdoor information dissemination. It can be widely applied to fields such as outdoor advertising playback, outdoor public information release, outdoor media dissemination, and touch interactive query.

Attention: During transportation, storage, and use, it is necessary to strictly follow the instructions on the packaging to maintain the placement of the equipment.

1.2 Compliant with standards

Standard	Detailed description
GB/T17626.7	Electromagnetic compatibility
GB4706.1	Safety of household and similar electrical appliances

GB4798.1	Environmental conditions for the application of electrical and electronic products - Storage
GB4798.2	Environmental conditions for the application of electrical and electronic products-Transportation
GB4798.3	Environmental conditions for the application of electrical and electronic products - Use
FCC	Third-party certification
CE	Third-party certification

2、 Installation and operation

2.1 Disassembling packaging and inspection

This product is packaged in wooden boxes as standard. When removing the outer packaging, the outer wooden box cover is opened first, and the side wooden board is removed to remove the equipment. Pay attention to counting the accessory packages according to the packaging list.

Attention:

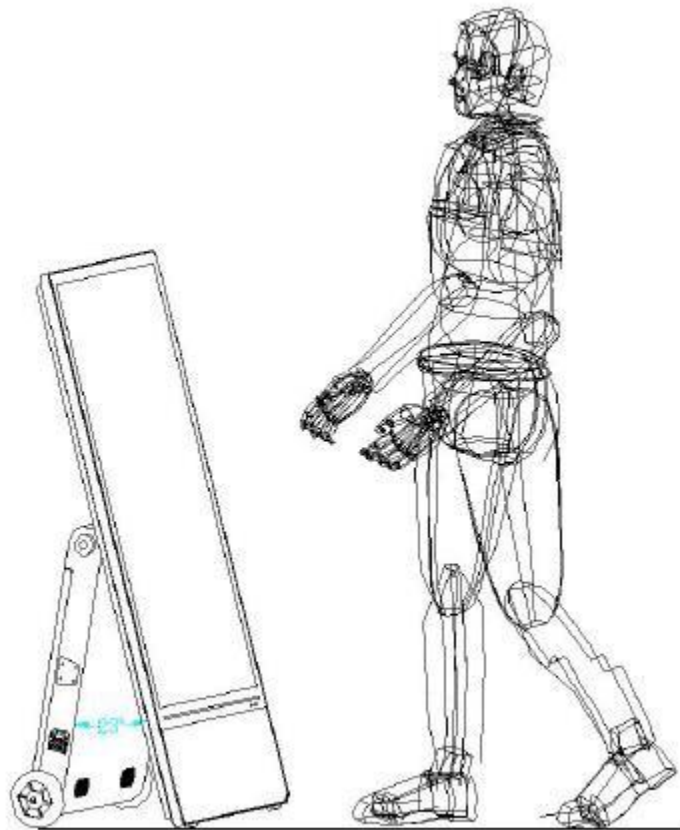
This equipment is fragile and must be handled with care to prevent the glass surface from being hit. After removing the wooden board, please carefully check the appearance of the equipment for any

damage or oil stains. If any damage is found, please immediately report it to the sales representative along with the bar code number outside the packaging.

If the product is not for immediate use or needs to be transported to other regions, please repackage the equipment after inspection.

2.2 Product placement

This product is an outdoor movable LCD. When removing the product, be careful not to place it upside down. Open the support rod and place it on the ground with the casters on the ground . (The following equipment placement diagram)



2.3 product movement

Hold the handle with your hand and tilt the device at a certain angle to push it forward. Be careful to avoid high steps such as stairs and curbs.

3、Run

3.1 Powered on operation

After placing the equipment, turn on the power switch and the equipment can operate. As long as the LCD system is powered on, the backlight of the LCD screen starts to light up, and the entire LCD screen will display in about 3 seconds.

3.2 Play program

Open the back door of the device, find the USB port, and copy the files that need to be played to the USB drive or motherboard memory by clicking Play.

3.3 Battery charging

Find the charging interface, insert the charging cable into the charging interface first, and then insert the plug of the charging cable into the socket.

3.4 Remote Controller:



4、Quick Start

4.1 Click the Power Button to turn on the machine.

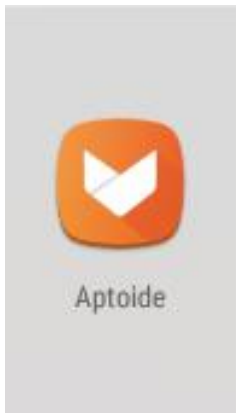


4.2 Open the door with the key. Insert your USB flash disk with media contents.



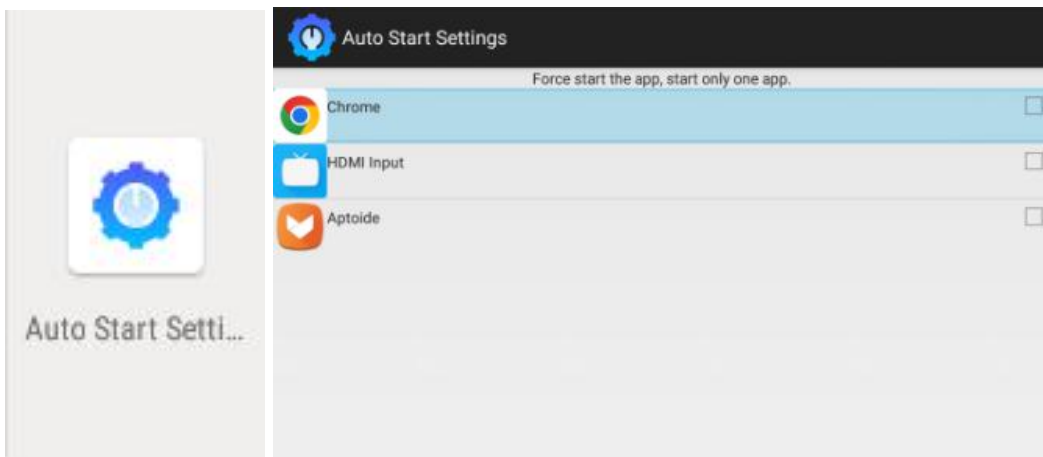
4.3 Android Application.

1) Aptoide



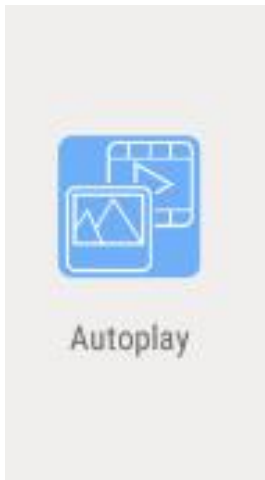
This is the application store. Other application can be installed with this application store.

2) Auto Start Settings



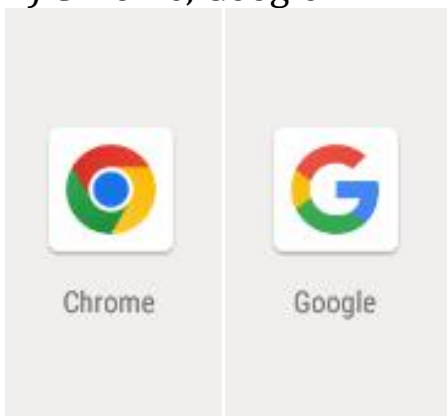
Application which installed on the system can be selected with automatically start when system boot up. Especially when there's a player box with HDMI connected into the system, that HDMI Input application suggested to be selected with automatically start when system boot up.

3) Autoplay



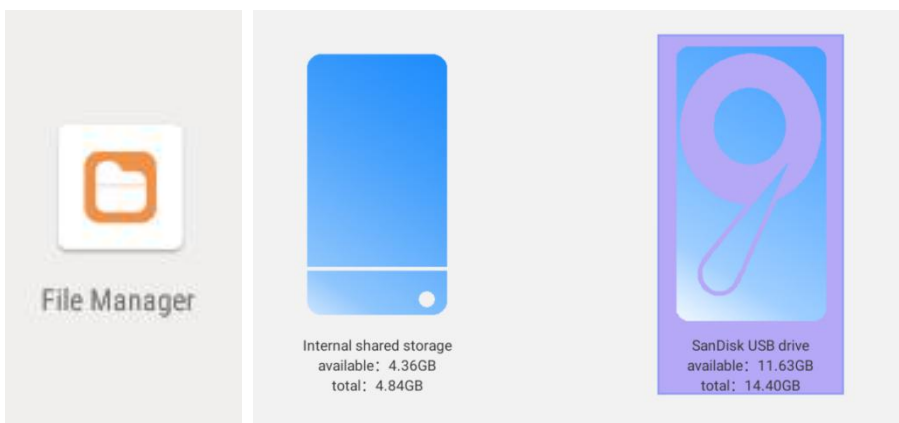
The Autoplay was the system player with USB disk plug and play or copy mode play. Quickly started your advertising with a USB disk easily plug in.

4) Chrome, Google



The web browser on this Android system.

5) File Manager



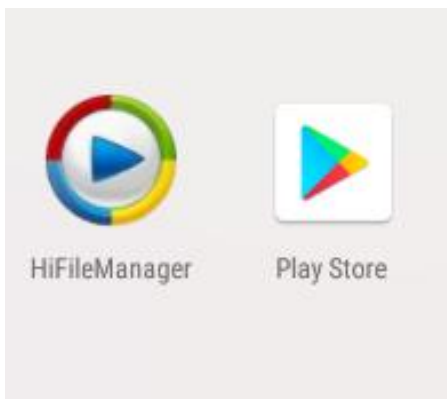
The internal storage or the USB disk when it was plugged in can be accessed on the Android system with the File Manager.

6) HDMI Input



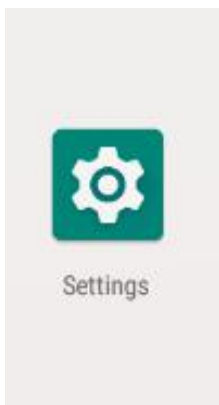
Display the HDMI input signal when this HDMI Input was turn on.

7) HiFile Manager, Play Store

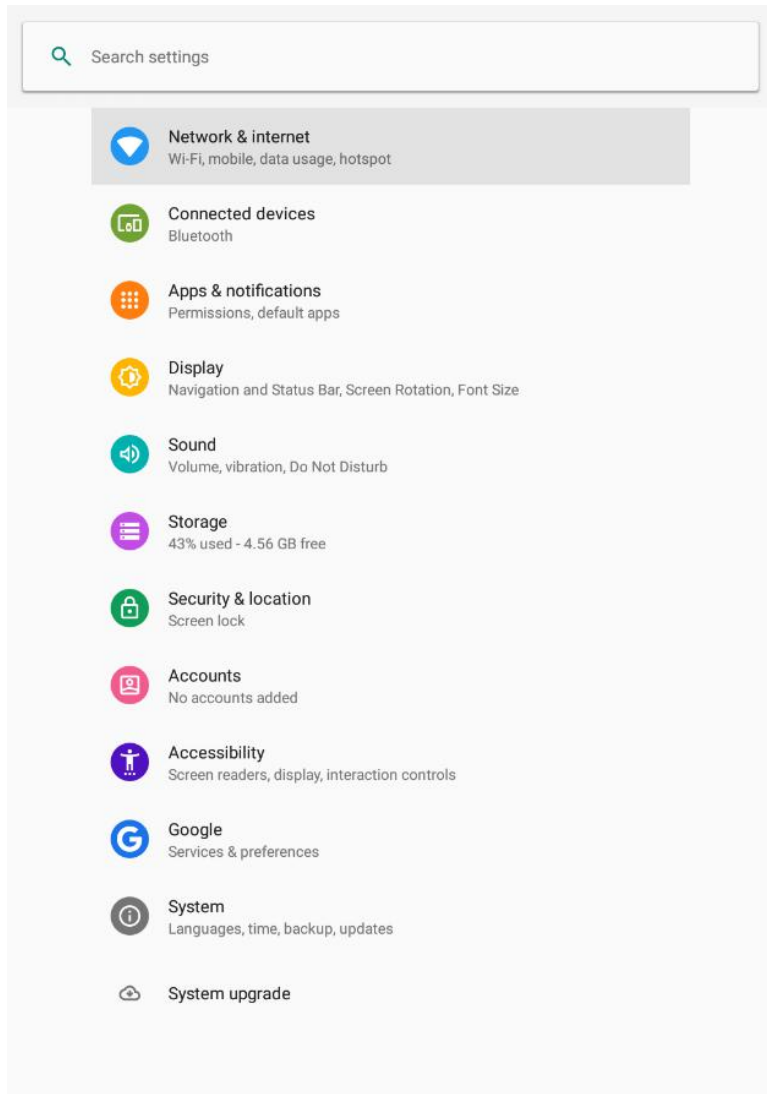


The File Manager and Application Store for the TV version, not suggested to be used on this vertical screen Android system.

8) Settings



The system settings, the WiFi connection, the brightness adjusting and some other basic system settings can be done on this Settings application.



9) Time Switch

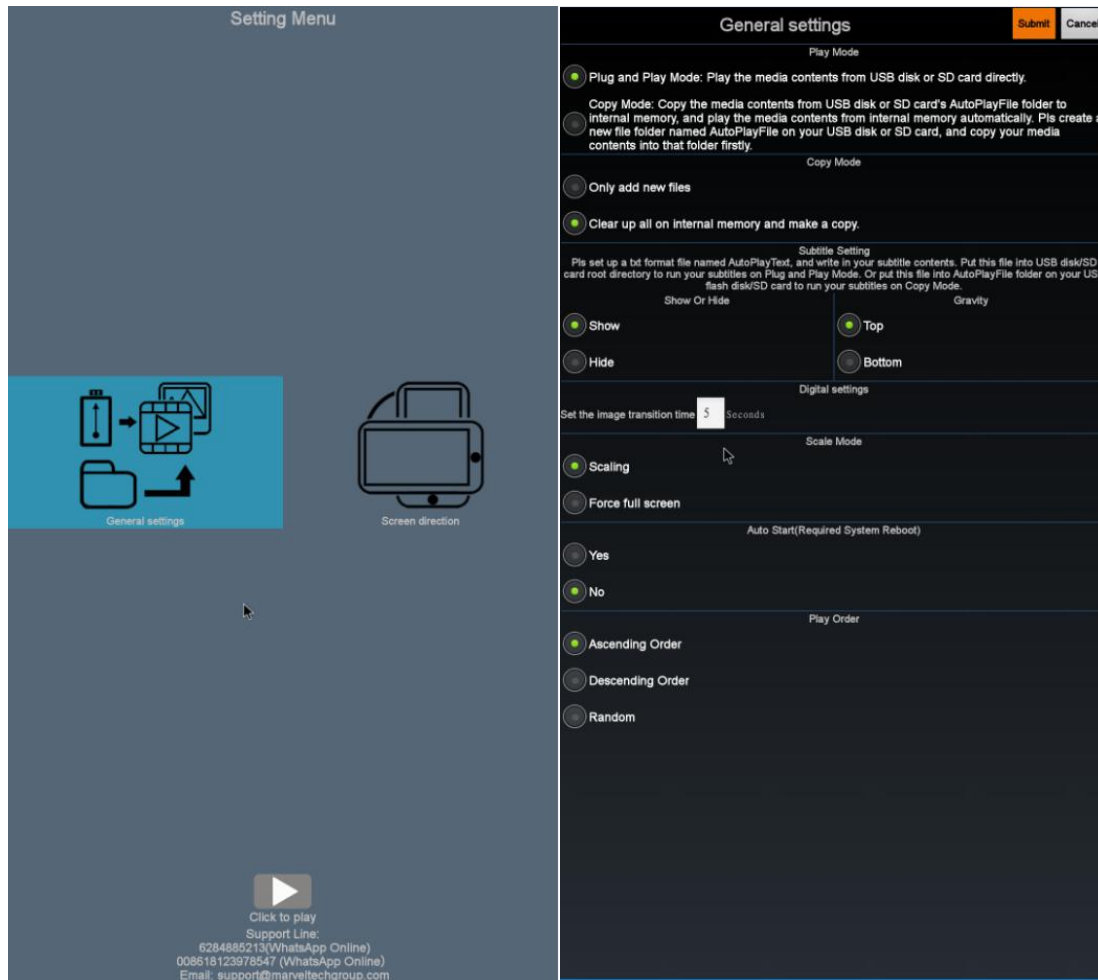


The Automatically power ON/OFF settings for the Android system.

4.4.The quick start advertising application “Autoplay “

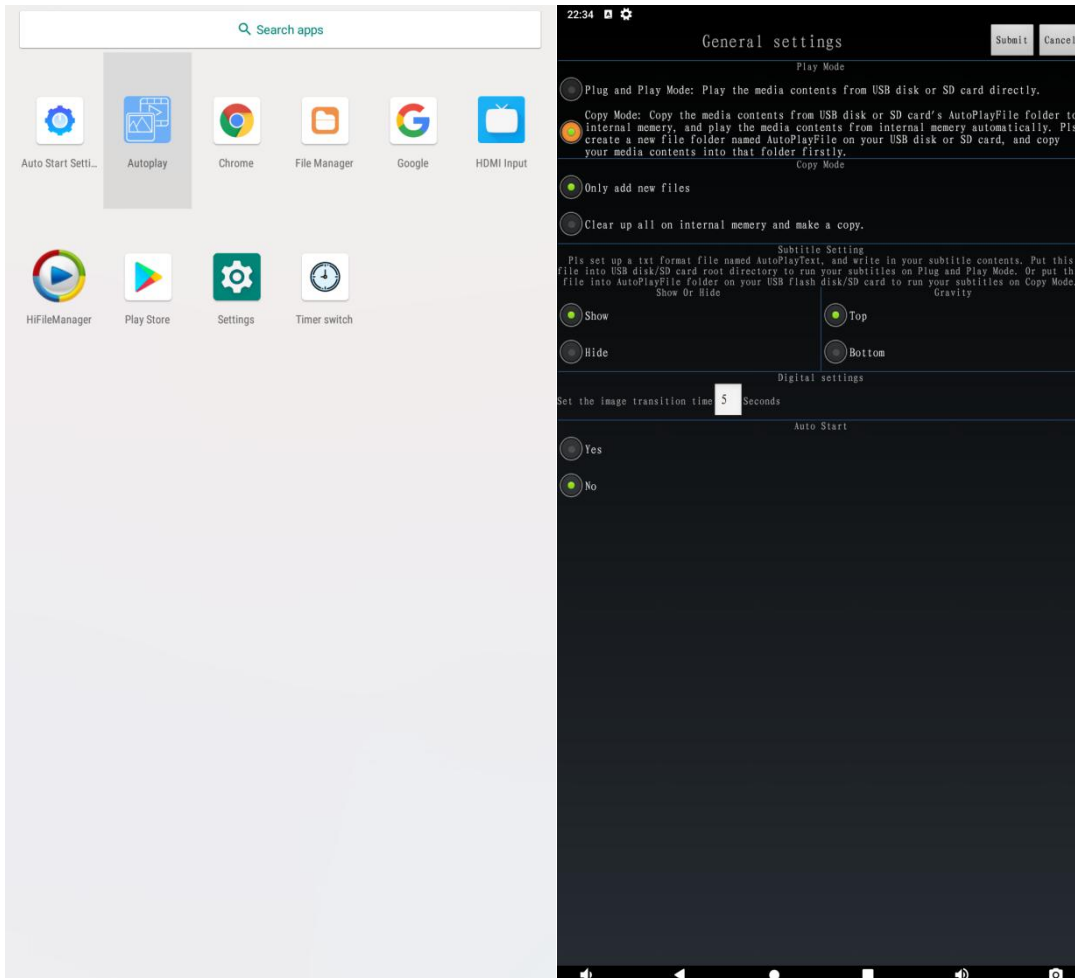
The Autoplay application will wake up automatically once the media contents was detected from your USB disk root directory. The default play mode setting of the Autoplay application is the Plug and Play Mode function.

Put your media contents into the USB flash disk root directory. And plug into the digital signage USB port. It will display the media contents automatically from your USB disk.



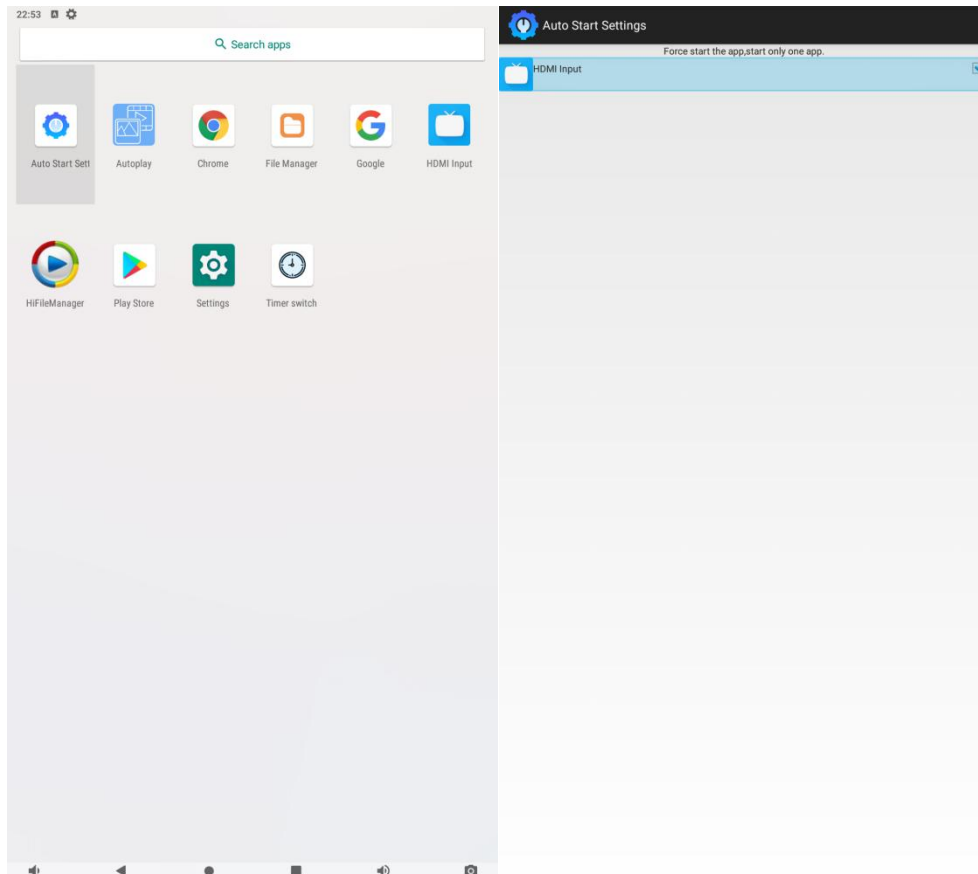
4.5. Also you can make settings on the Autoplay application, set with Copy Mode.

Set up a file folder named with “AutoPlayFile” on your USB flash disk. Put your media contents into that “AutoPlayFile”. Then plug your USB flash disk into the digital signage USB ports at the back, it will copy the media contents from your USB flash disk “AutoPlayFile” file folder into the digital signage’s internal storage. So that you can plug out your USB flash disk after your media contents was copied successfully to the system internal storage.



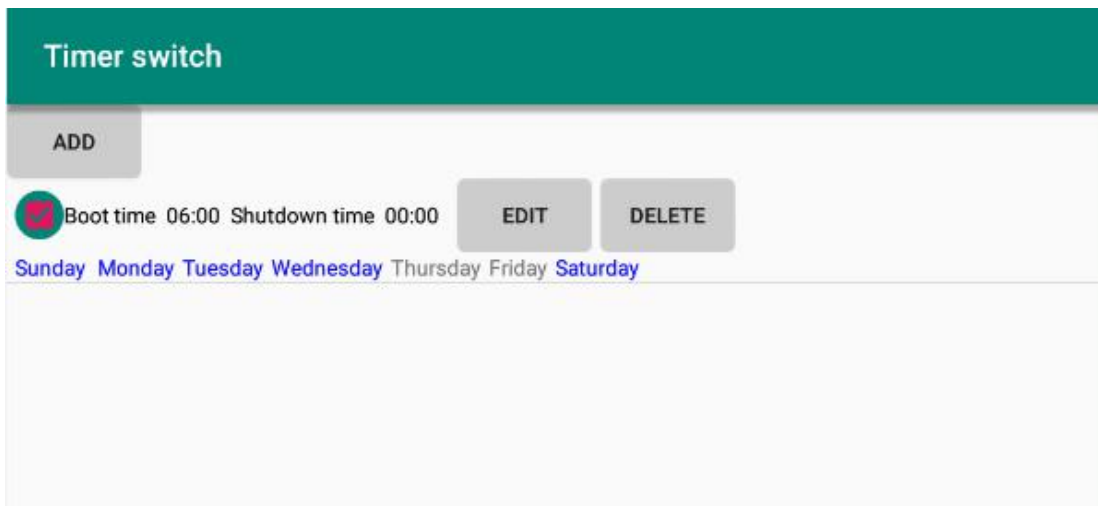
4.6 HDMI Input Supported.

If you are going to get your own player HDMI signal displayed, suggested to set on the “Auto Start Settings”, select the HDMI input, so that it will display your player HDMI signal automatically after the digital signage powered on.



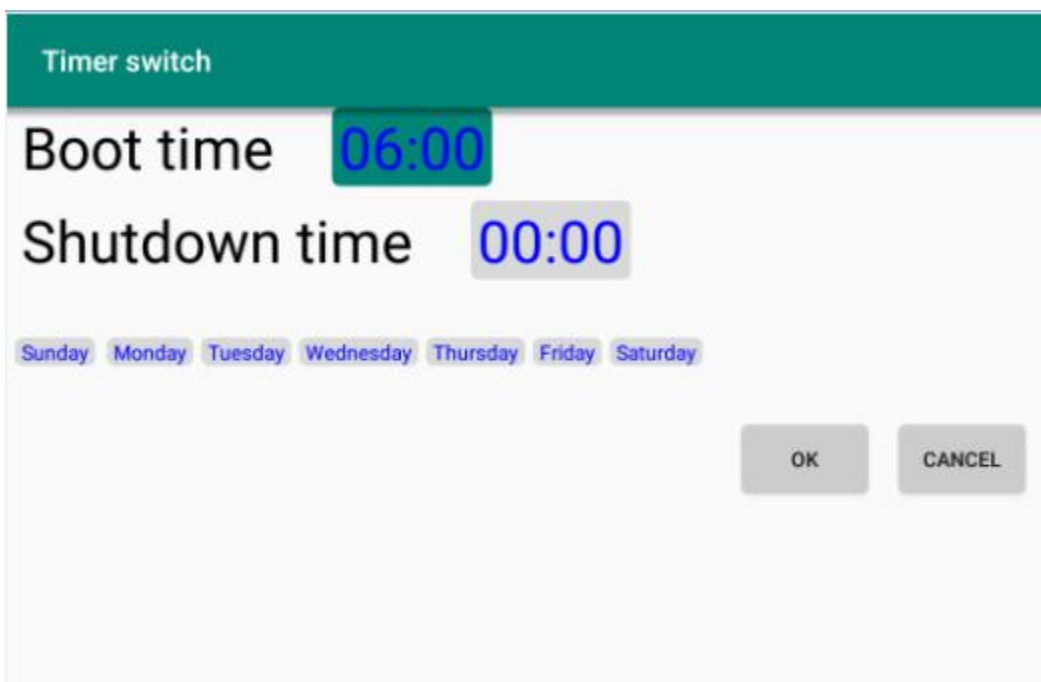
4.7 Timer Switch

You can make auto ON/OFF schedule on the Timer switch application.

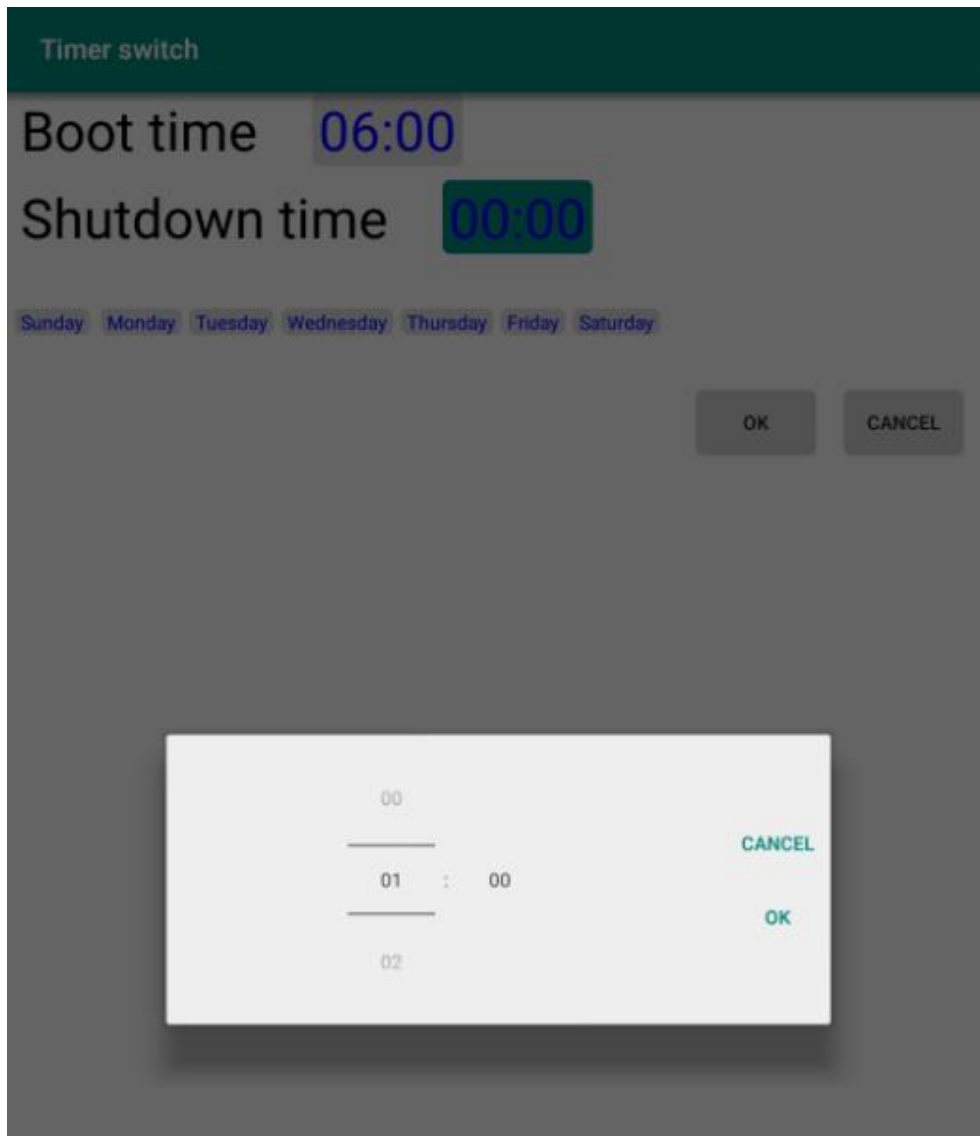


The screenshot shows the 'Timer switch' application interface. At the top is a teal header with the title 'Timer switch'. Below the header is a light gray area containing an 'ADD' button on the left. To the right of the 'ADD' button, there is a red power switch icon, followed by the text 'Boot time 06:00 Shutdown time 00:00'. To the right of this text are two buttons: 'EDIT' and 'DELETE'. Below these elements is a horizontal list of days: 'Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', and 'Saturday'. The days 'Tuesday', 'Wednesday', and 'Saturday' are highlighted in blue. The rest of the interface is a large, empty light gray area.

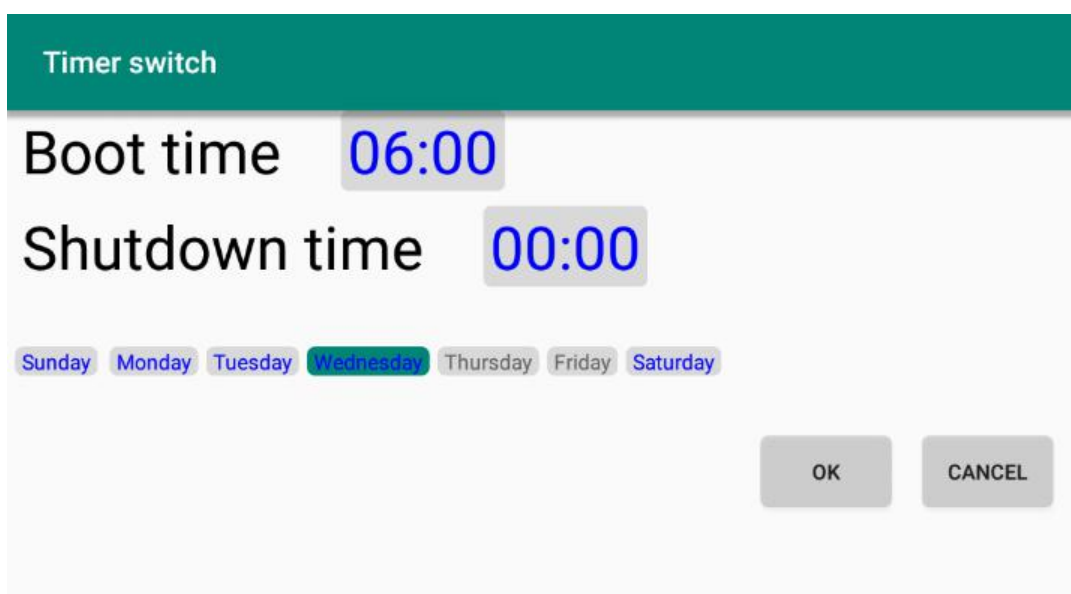
Select to turn this power switch on. Or click EDIT to make the time settings.



The screenshot shows the 'Timer switch' application interface in edit mode. At the top is a teal header with the title 'Timer switch'. Below the header, the text 'Boot time' is followed by a blue time input field containing '06:00'. Below this, the text 'Shutdown time' is followed by a blue time input field containing '00:00'. Below the time fields is a horizontal list of days: 'Sunday', 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', and 'Saturday'. Each day is enclosed in a light gray button. At the bottom right of the interface are two buttons: 'OK' and 'CANCEL'.



And the timer switch settings from Sunday to Saturday can be canceled or selected.



5、Troubleshooting

Phenomenon	Cause analysis	Inspection and maintenance
Device does not start	Circuit not working or short circuited	Check for circuit blockage or short circuit, and repair the main power supply.
	battery failure	Replace the battery
Blurred screen	poor contact	Check if the signal transmission line inserted on the LCD screen is loose, causing poor contact. If this occurs, tighten and fix the signal line and check if the problem is resolved; If there is no such situation, it may be due to poor LCD screen.
Dark screen	Output voltage instability	Check if the power output is normal. If the power output voltage is unstable (the voltage value does not reach 11-12V), it can be confirmed that the power supply is faulty. If the power output is normal, it is necessary to replace the drive board and inverter one by one until the fault is eliminated.
No signal	NO Signal	Check if the internal video cable and

	Input	5V power cable input to the decoding board are loose. If there is no such phenomenon, replace the decoding board or driver board. After replacement, check if the fault Disappears.
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5、Daily maintenance

The equipment operates in harsh outdoor environments. To ensure its normal operation and playback, please refer to the table below for regular maintenance of the equipment.

Warning: All maintenance work must be carried out by qualified professionals. Before carrying out any maintenance, please disconnect the power supply of the equipment and wait until the maintenance work is completed before connecting to the power supply.

Maintenance Tool List:

- & M4 socket screwdriver
- & Scissors, cable ties

Maintenance steps:

- & Turn off the power, disconnect the power and signal wires
- & Open the rear door and internal power cover of the device
- & Clean the internal dust with an air gun or brush
- & Install in sequence and restore the normal operation of the equipment

Daily Maintenance Table:

Inspection items	Step Description	Maintenance Cycle
LCD screen	Visually inspect the LCD for liquid leakage and any shadows on the backlight.	3-6 months
Wire	Visual inspection for looseness	1 year
Fan abnormal	Pull the fan and check if it rotates smoothly and if there is any abnormal noise	1 year
Screw loose	Visual inspection for looseness	1 year