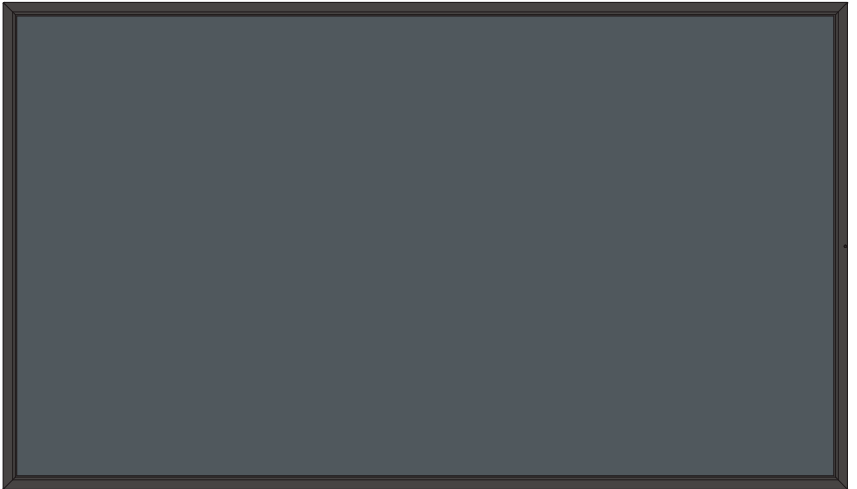


User Manual

7x24Hrs 55-Inch Wall-mounted LCD Signage

Model: DGYHBY55



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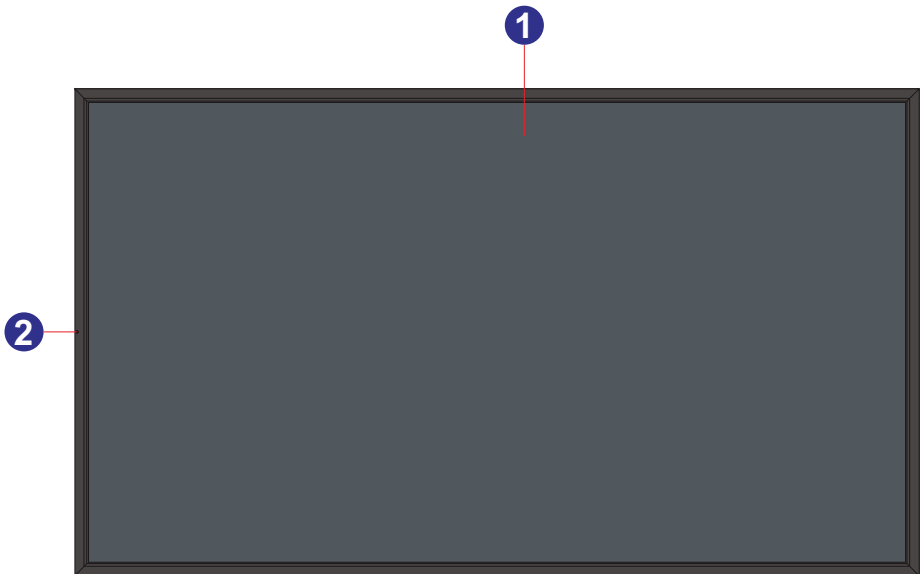
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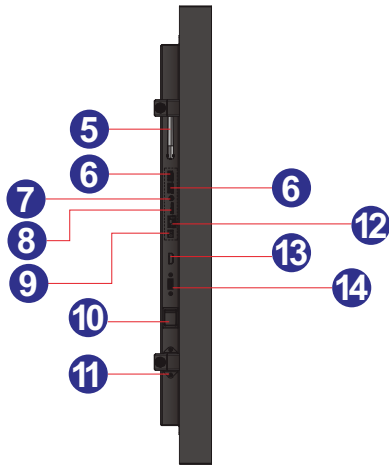
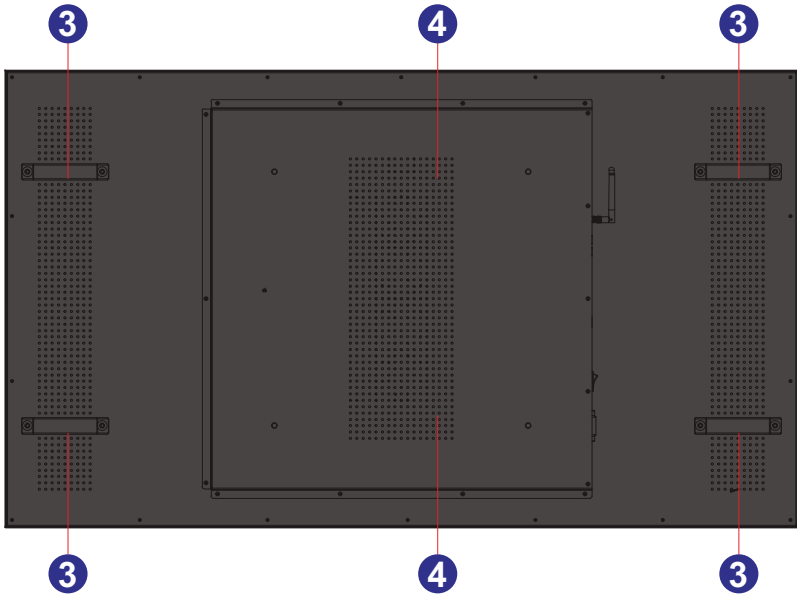
1. Product Information

1.1 Product Feature

This premium window-facing LCD display features an ultra-high brightness of 4000 nits and a sleek narrow-bezel design, delivering exceptional visibility. Engineered for vivid and captivating visuals, it is the perfect solution for storefront advertising, brand showcases, and promotional content. Make your message shine brighter, attract more eyes, and lift your brand presence—all day, every day.


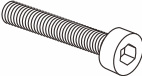


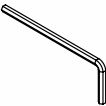

1.2 Product Composition





- | | | |
|-------------------------------|----------------------------|--------------------------------|
| 1 LCD Screen | 6 USB 3.0 port | 11 AC Power Cord Socket |
| 2 Ambient Light Sensor | 7 Audio output port | 12 RJ45 port |
| 3 Handle | 8 TF(Micro SD) port | 13 HDMI port |
| 4 Speaker | 9 DC Power Port | 14 USB 2.0 port |
| 5 Antenna | 10 On/off switch | |

1.3 Parts List

Accessory	Picture	Qty
Remote control		1
M8 x 25		4
Washer		4
AC Power cord		1
Wrench		1
User menu		1

1.4 Technical Specifications

Item	Description
Model No.	DGYHBY55 (ADW02)
Panel	
LCD size	55"
Light source	LED
Resolution	3840×2160
Brightness	4000nits (Typ.)
Contrast	1100:1
Response	8ms
Pixel pitch	0.315 mm x 0.315 mm
Refresh rate	60Hz
Viewing angle	89°/89°
Displays color	10-bit(D), 1.07 Billion colors
Viewable area	1209.6 (H) × 680.4 (V)
Charging Adapter	
Input Voltage	AC100-240V
Hertz	50/60HZ
Power Consumption	About 360W
Environment	
Operating temperature	0-40°C
Storage temperature	-20-60°C
Operating humidity	10% RH to 80% RH
Storage humidity	0% RH to 90% RH
Maximum operating time	7x24Hrs
Functions	
Operating system	Android 11.0
Speakers/Watts	2x10W
Software (NovaStar,DiViEx,Other)	Signway
Processor	RK3568

RAM	4G
ROM	32G
Decoding resolution	4K
Playback mode	loop
Touch support	Non- touch
Supported Video Files	AVI, MPEG4,WMW,MKV,FLV,MP4,MOV
Supported Photo Files	JPG,JPEG,BMP,PNG
Ports	
TF	YES
Antenna(external,internal)	External
Ethernet LAN	1xRJ45
HDMI IN / HDMI OUT	1xHDMI-IN
VGA	N/A
Headset	Audio Outputx1
USB	2xUSB3.0, 1xUSB2.0
SIM	N/A
Type-C	N/A
Structure	
Net Weight	About 28 kgs
knockdown/fully assembled	Fully assembled
Gross weight	About 36 kgs
Unit Dimensions (Width x Depth x Height)	1250 (L)x721 (W)x90 (H)mm
Package Dimension (Width x Depth x Height)	1450 (L)x270 (W)x865 (H)mm
Package Type(carton,case,honeycomb,crate)	Honeycomb carton
Shell Material	Steel+aluminum
Shell Color	Black
General	
Application	Indoor

1.5 Safety Warnings and Precautions

Based on the product design and LCD properties, the following safety measures must be observed during the handling and use of the device:

- Avoid high temperatures and high humidity environments: The operating temperature range is 0~40°C, and the operating humidity range is 10%~90%.
- Suitable operating time: The device is rated to be used for no more than 18 hours a day.
- Use suitable voltage input: The device supports a voltage range of 100~240V. Excessive voltage can damage the device.
- Avoid exposure to strong electromagnetic environments: Strong electromagnetic waves can damage the device.
- Ensure proper ventilation: Operate the device in a well-ventilated environment for optimal performance.
- Avoid excessive vibration, heavy drops, and severe impacts: Such conditions can cause damage to the device.
- Do not replace or modify product parts yourself: Do not attempt to replace or modify components yourself. We will not be held responsible for any resulting problems.
- Perform regular cleaning: Routine cleaning helps maintain proper device operation.

1.6 HDMI Connection

1. Connect PC or media player via HDMI port.
2. Open the HDMI In app (see next page for instructions on navigating applications). The HDMI input appears on screen.

! **NOTE:** Some media players may not be supported.

To automatically display HDMI input upon device startup, open the HDMI Auto-boot app and use the toggle to enable auto-boot. This allows HDMI input to display instead of the Android operating system every time the unit is powered on.



HDMI IN



HDMI Auto Boot

2. Operation
















Remote Control

Important Notice: Before using the remote control, please remove the USB receiver from the battery compartment, insert it into the device's USB port, and then install two AAA batteries into the remote control.



Remote Control Functions

NOTE: Only the buttons listed below have supported function. For convenient navigation, we recommend connecting an external mouse and keyboard via usb ports.

Button	Function
	Power switch
	Open settings (This requires system or third-party software to design, currently unused in the system)
	Open signal source settings menu (This requires system or third-party software to design, currently unused in the system)
	Confirm selection
	Upward cursor
	Downward cursor
	Left cursor / Delete
	Right cursor
	Open the OSD menu settings (This requires system or third-party software to design, currently can be used by GTV media player)
	Return to previous menu; Press twice to exit media player (GTV)
	Mute
	Increase volume
	Decrease volume
	Mouse movement mode
	Return to home display page



NOTE: Above image for illustration purposes only

3. Playback and Update

3.1. Program Playback

The player will start to playback programs automatically after powered on. If there is no content to be played, the home page will be displayed.

1. Make sure that the power cord and the storage card are correctly installed.
2. Turn on the player and the system will enter playback mode automatically.
3. The home page will be shown as below when there is no program for playback, or the earlier playback has been stopped.



The status bar above the main interface displays the current working status of the system, where the left side is the terminal working status, with two options: Stop and Downloading; On the right side is the playlist status, displaying Normal or error prompts such as screen mode mismatch, playlist invalid, etc.

The main interface displays three ways to publish programs and the operation steps. The operation details can be viewed by scanning the QR code.

The basic information of the terminal system is displayed below the main interface. These information include the local device code, software version, Android version, server address, local IP, and local storage. When in standalone release mode, it includes the local device code, software version, Android version, and local storage.

3.2. Content Update

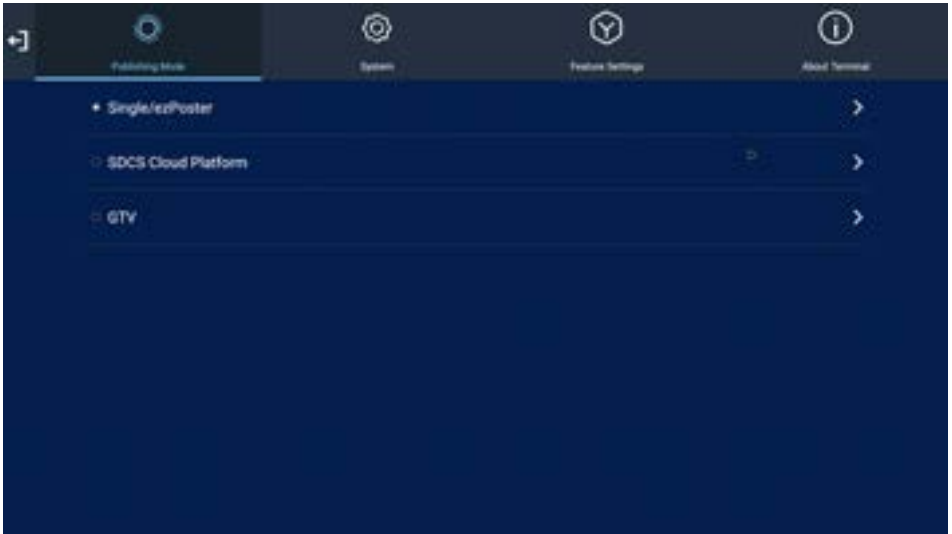
In the case of terminal networking, users can create new programs on the server side and then publish them to the terminal. The terminal will automatically download various program update files every time it is turned on, and regularly check for updates during operation (in the background).

4.OSD Menu

1. Right click anywhere on the screen with the mouse, enter the password, open the OSD menu, and set the system parameters.



- Click on Setup to enter the OSD main menu, which is divided into four modules: Publishing Mode, System, Function Settings, and About Terminal. Publishing Mode is displayed by default.



4.1. Publishing Mode

The terminal platform can work in standalone or networked situations.

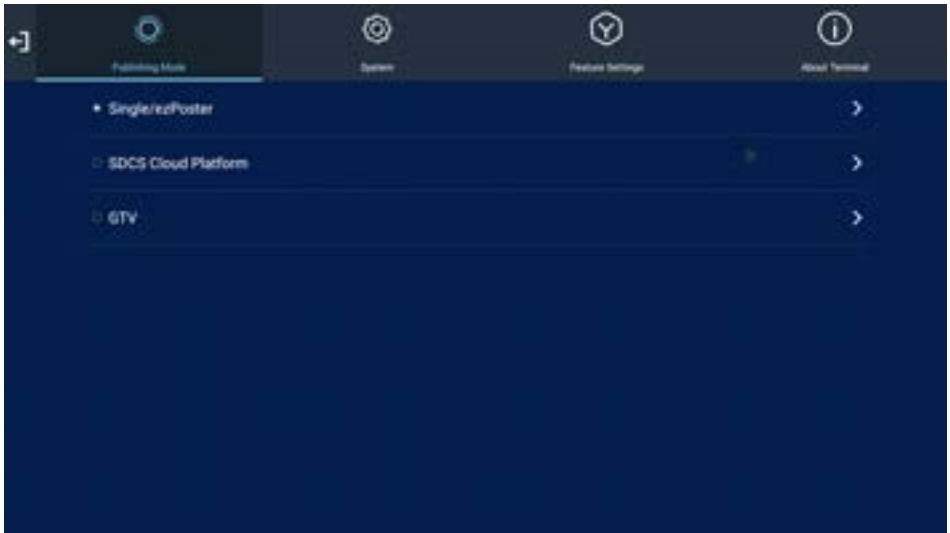
The method of publishing programs is to scan the help QR code on the stop interface to watch the operation videos of three publishing modes. Select the publishing mode according to actual needs and press the back button to save the publishing mode.

4.1.1. Single/ezPoster

When the terminal is not connected to the internet and running alone, select this option.

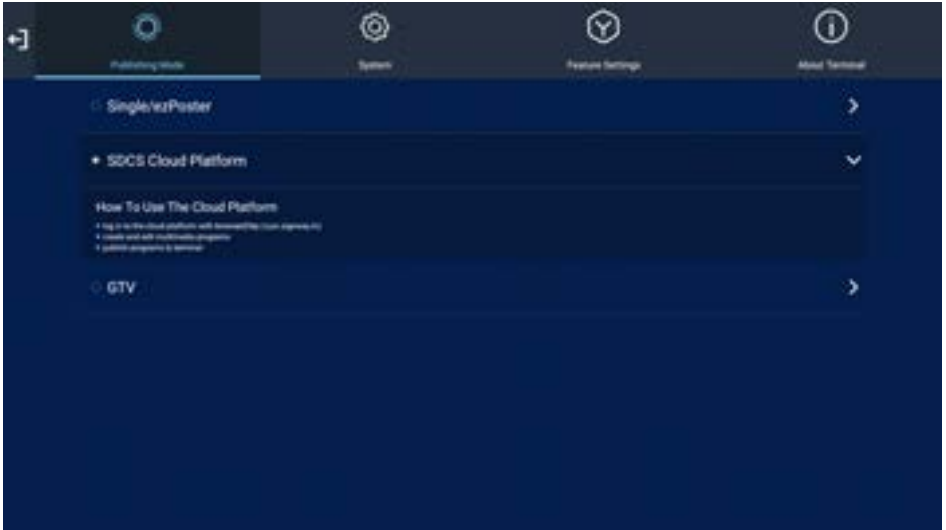
- Programs can be imported through a USB flash drive, and the standalone template style and image playback duration can be selected according to actual needs;

- Alternatively, the program can be published through the ezPoster mobile app, and the NET ID on the mobile app and here must be consistent. Scan the "Scan and Download Apps" QR code on the stop interface to download and install ezPoster.



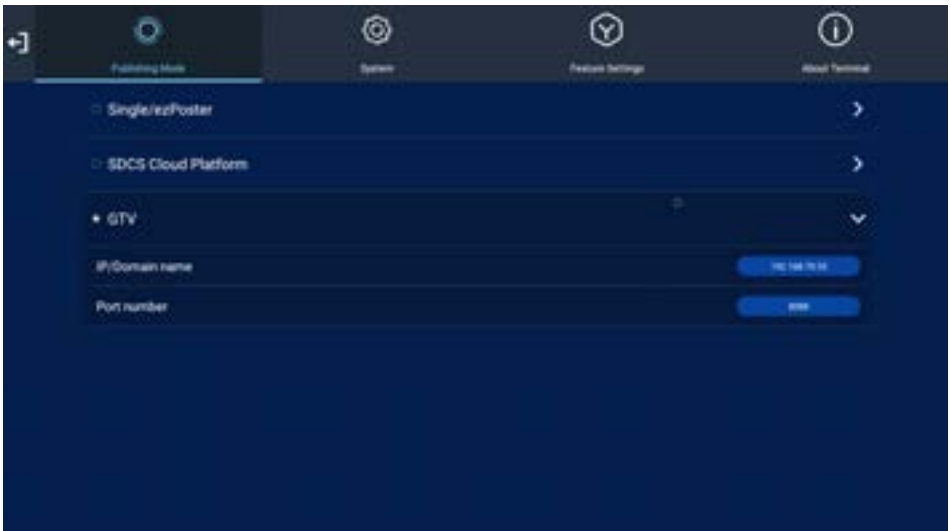
4.1.2. SDCS Cloud Platform

To publish programs through the SDCS cloud platform, you need to first register and log in to the cloud platform for free using a mobile or computer browser. Scan the QR code "Scan Binding Terminal" on the stop interface to bind the terminal.



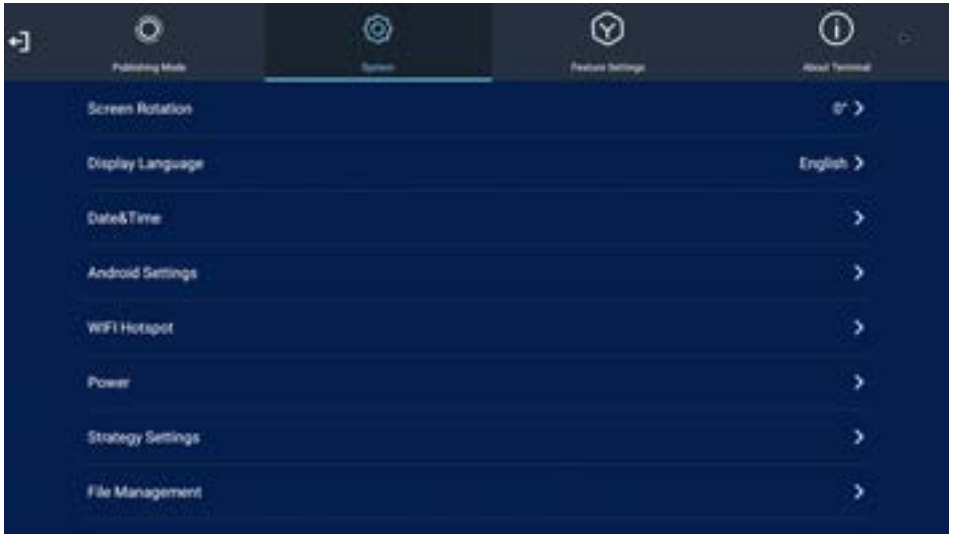
4.1.3. GTV

To publish programs through the GTV platform, it is necessary to set up a domain name/IP address and port.



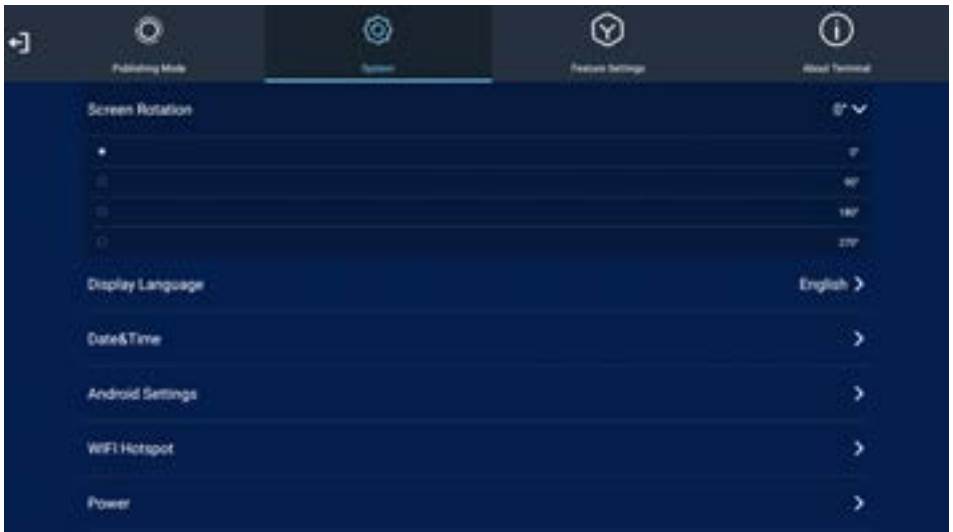
4.2. System

The system settings module provides settings such as screen rotation, display language, date, and time.



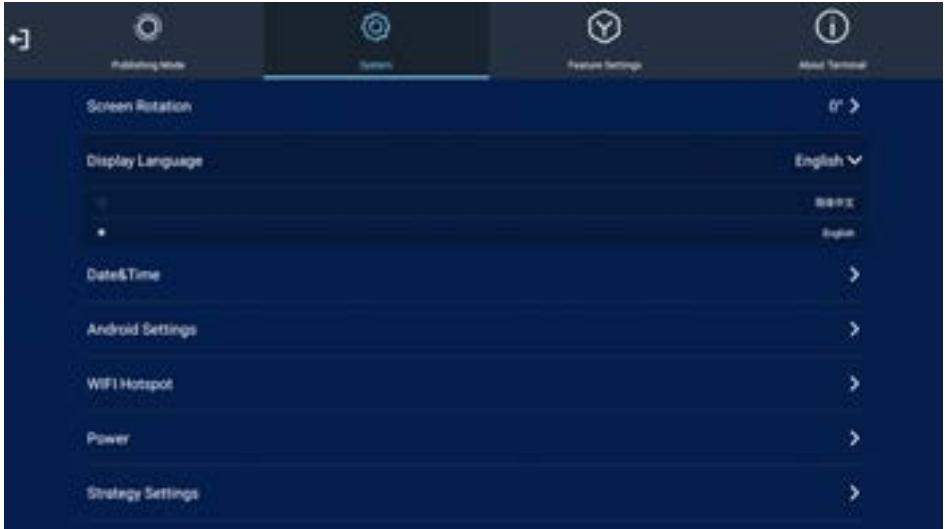
4.2.1. Screen Rotation

The selected screen display direction must be consistent with the actual display mode.



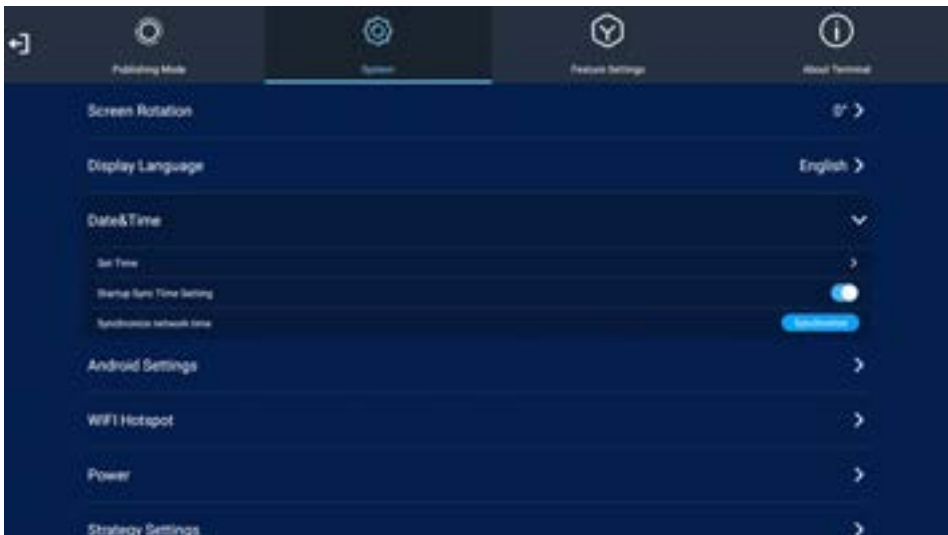
4.2.2. Display Language

Select system language mode, support: Simplified Chinese and English.



4.2.3. Date&Time

This module can set the system date and time. Note: When the terminal operates in standalone mode, there is no synchronization function available here.

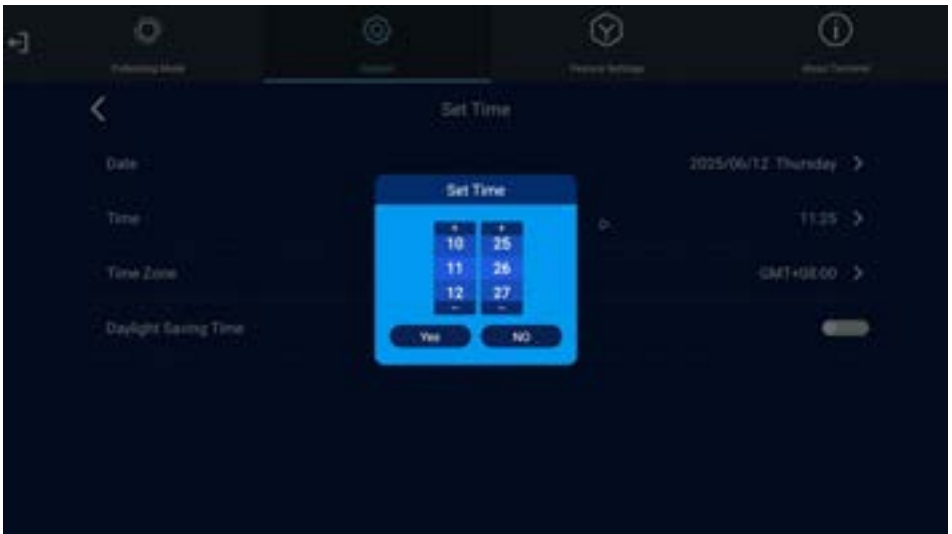


4.2.3.1. Set Time

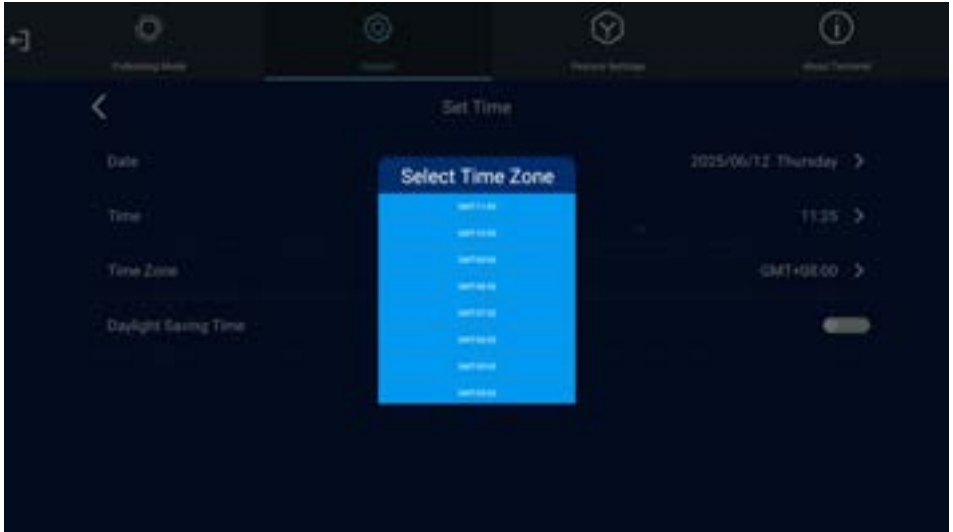
Date: Select Date to enter the time setting interface. Press the "+/-" button to adjust the date. After the adjustment is complete, press Yes to save.



Time: Select the time display box, press the "+/-" button to adjust the time, and after the adjustment is complete, press Yes to save.



Time Zone: Select the time zone where the terminal is located.



Daylight Saving Time: Choose whether to turn on the daylight saving time switch.

4.2.3.2. Startup Sync Time Setting

After this function is enabled, the system performs network time synchronization when booting up, automatically synchronizing the server time to the terminal; Otherwise, the network time will not be synchronized during startup.

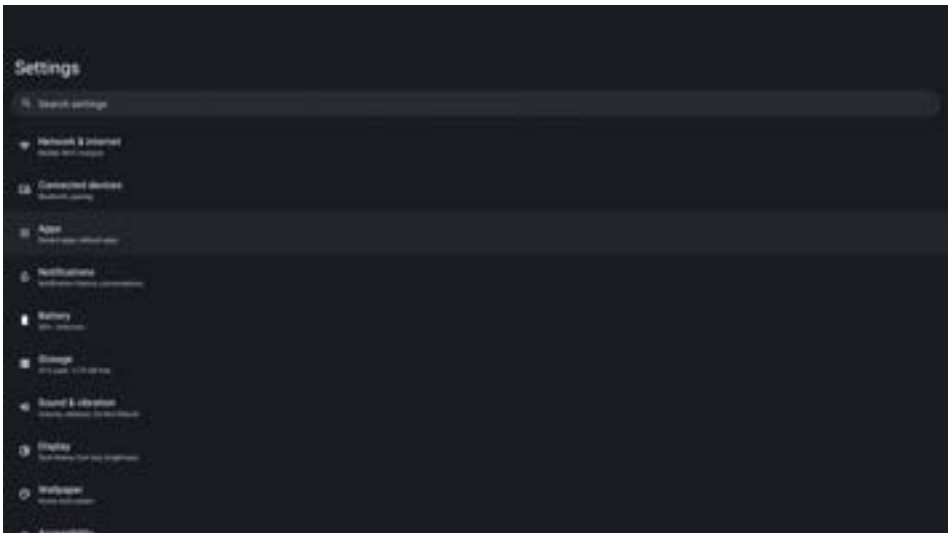
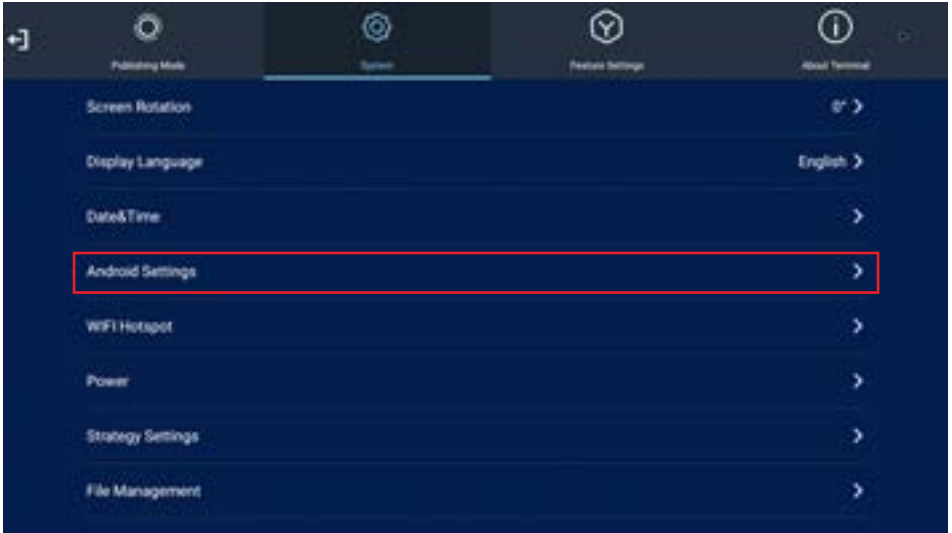
4.2.3.3. Synchronize network time

Click on Synchronize, and the system will start synchronizing network time. After successful synchronization, provide a prompt. At this point, the server time is synchronized to the terminal, and the terminal displays the same time as the server.

Note: Before synchronizing network time, please select the correct time zone.

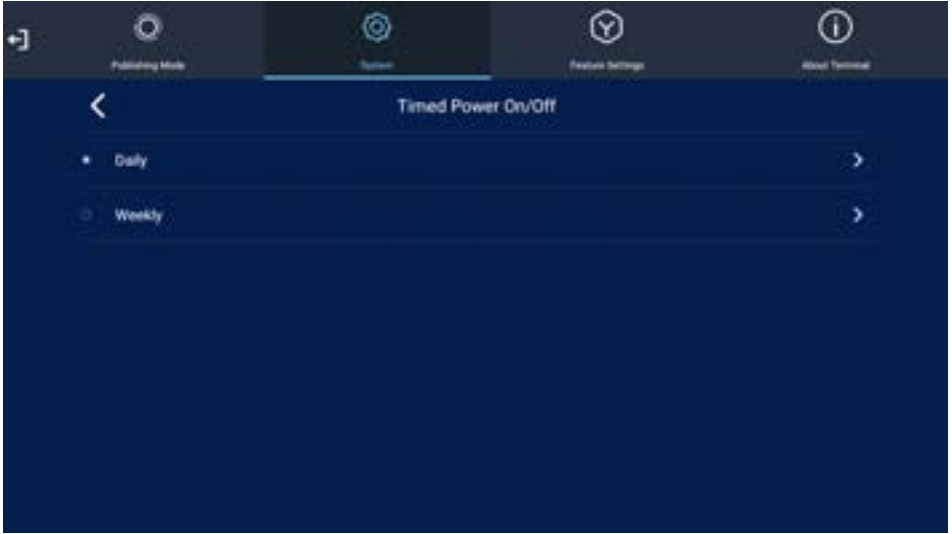
4.2.4. Android Settings

This system supports Android settings function, which can redirect to the Android interface to set wireless network, notifications, displays, wallpapers, and other content. Right clicking on the Android interface will take you back to the previous step.



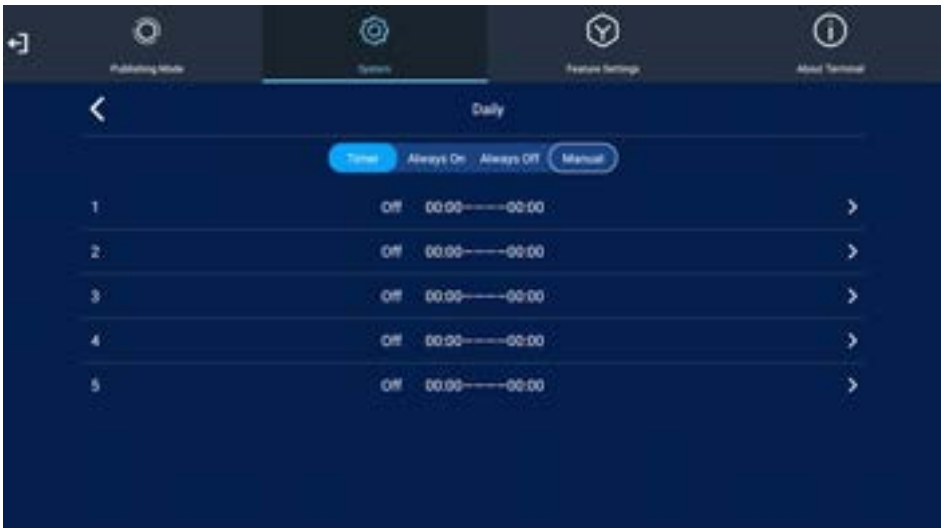
4.2.6. Power

It supports the setting of timing on/off, and supports two modes: daily mode and weekly mode.

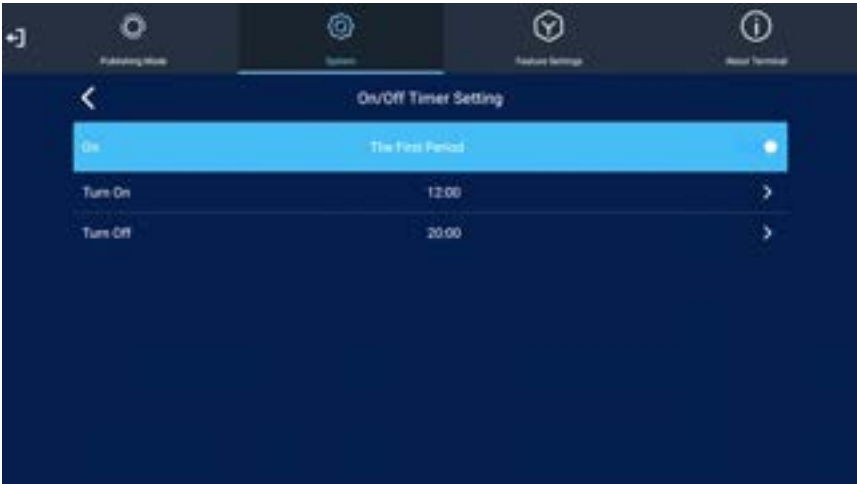


4.2.6.1. Daily

After setting, the system will turn on or off at the designated time every day. For example, it can be set to turn on at 8:00 am and turn off at 22:00 pm every day.



Timer: Power on or off at a specified time point. After selection, 5 sets of power on/off times will be displayed below, each of which can be individually set with a power on time point, a power off time point, and whether to "turn on" or "turn off".



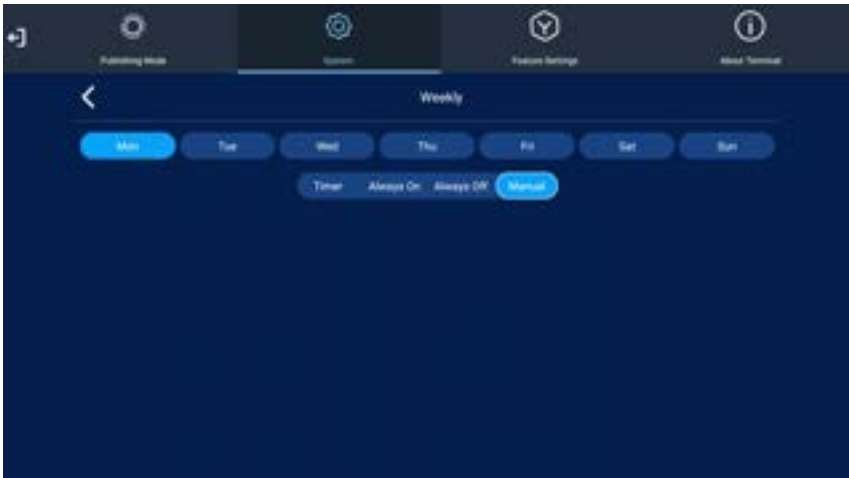
Always On: The terminal remains powered on and never automatically shuts down when connected to a power source.

Always Off: The terminal remains in a shutdown state and never automatically turns on. After selecting this mode and exiting the menu, the terminal will automatically shut down and remain in a shutdown state after 2 minutes of inactivity.

Manual: Users use the remote control to manually control the on/off time of the terminal.

4.2.6.2. Weekly

After setting, the system will be turned on or off at the designated time every Monday, Tuesday... Sunday. For example, it can be set to turn on at 8:00 am and turn off at 22:00 pm every Monday. Power on every Tuesday at 9:00 am and turn off at 23:00 pm.



Taking setting the power on/off time on Mondays as an example, select the "Monday" option, and then choose the power on/off mode. The descriptions of each mode are as follows:

Timer: Power on or off at a specified time point. After selection, 5 sets of power on/off times will be displayed below, each of which can be individually set with a power on time point, a power off time point, and whether to "turn on" or "turn off".



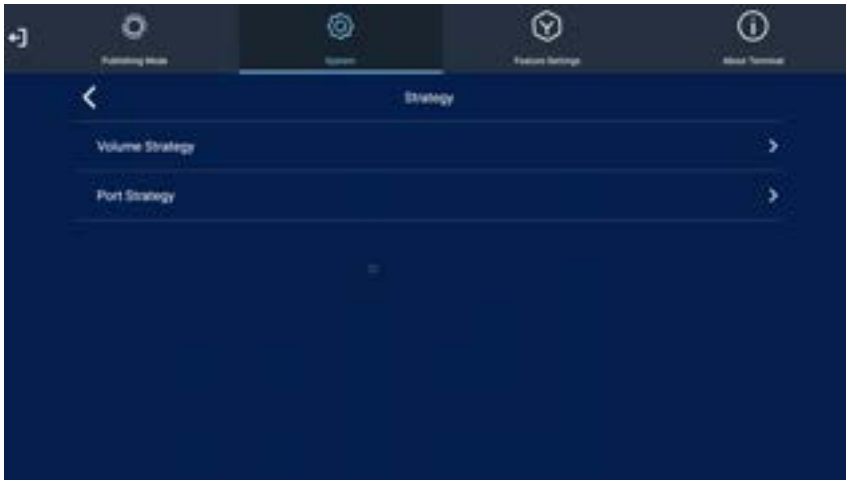
Always On: The terminal remains powered on and never automatically shuts down when connected to a power source.

Always Off: The terminal remains in a shutdown state and never automatically turns on. After selecting this mode and exiting the menu, the terminal will automatically shut down and remain in a shutdown state after 2 minutes of inactivity.

Manual: Users use the remote control to manually control the on/off time of the terminal.

4.2.7. Strategy

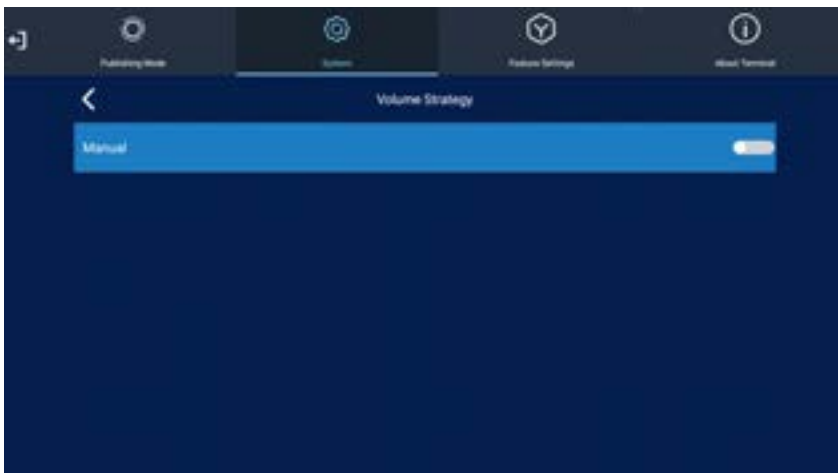
The system supports volume and port policy settings.



4.2.7.1. Volume Strategy

Used to set the playback volume of the terminal in different time periods.

- When the volume strategy is turned off, you can manually adjust the terminal volume.



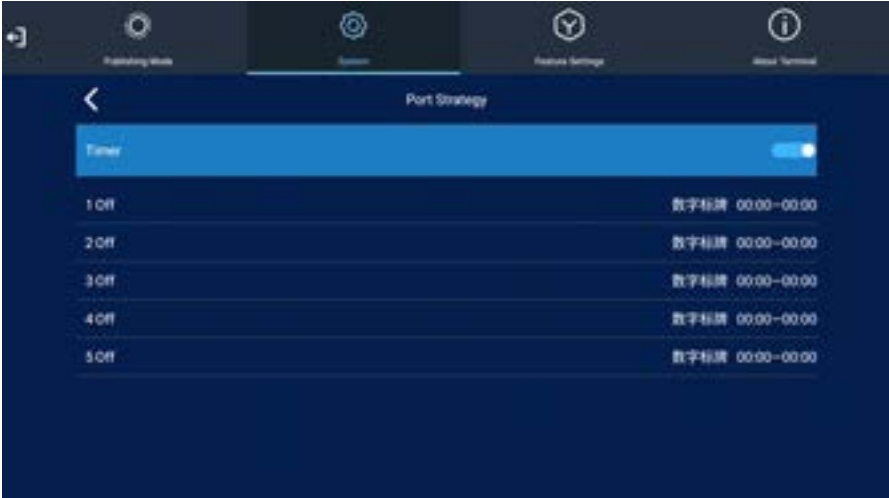
- After the volume strategy is enabled, the volume can be set for up to 5 different time periods. First, open the time period, then set the volume, as well as the start and end times of the volume application.

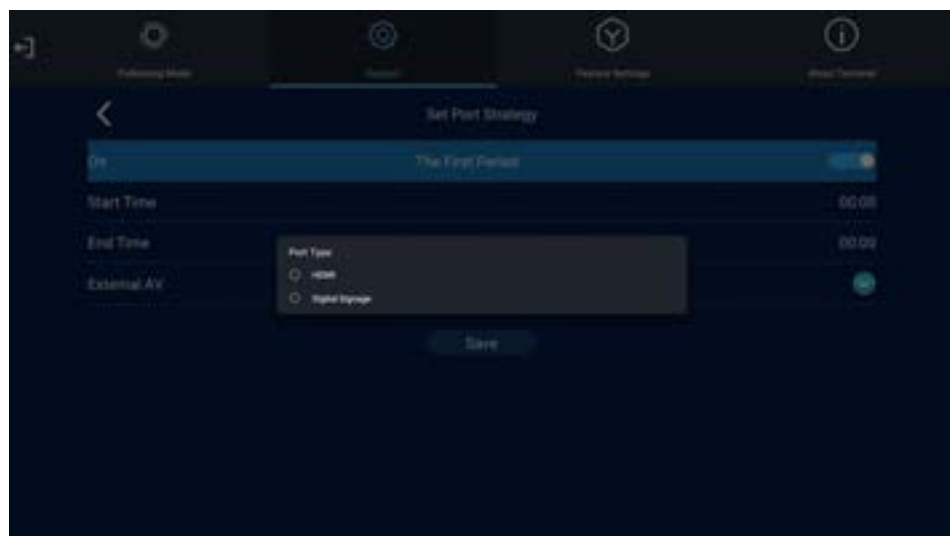
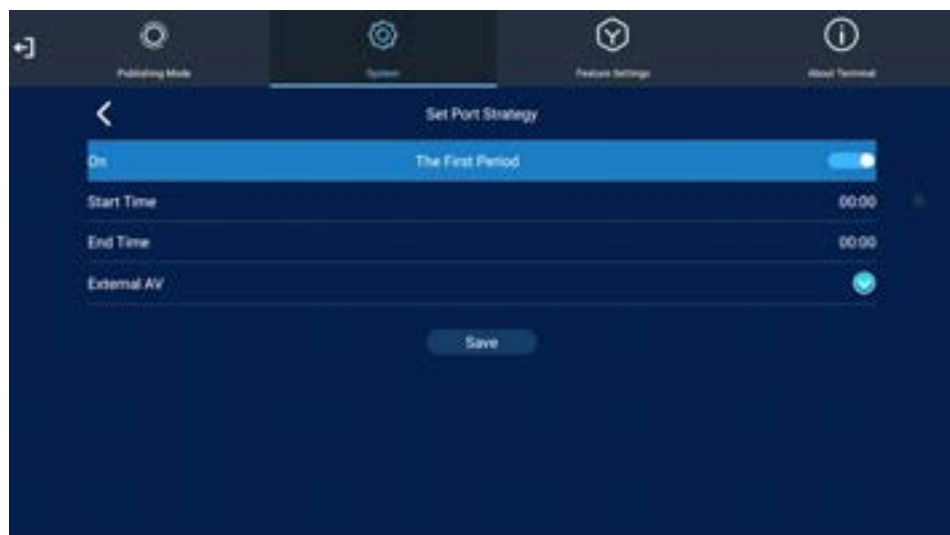


4.2.7.2. Port Strategy (This feature is only applicable to devices that support HDMI-IN).

Used to set the input source for the terminal in different time periods.

- When the port policy is turned off, you can manually adjust the port policy.
- After the port policy is enabled, ports can be set for up to 5 different time periods. First, open the time period, then set the port, as well as the start and end times of the volume application.

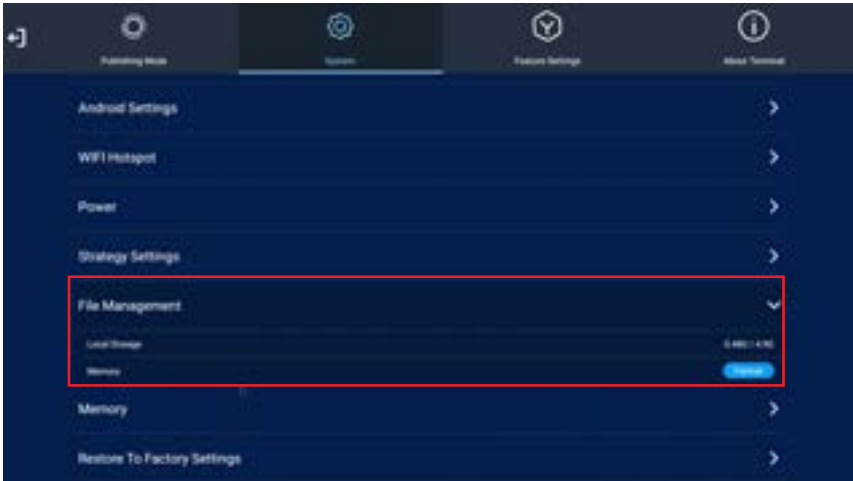




4.2.8. File Management

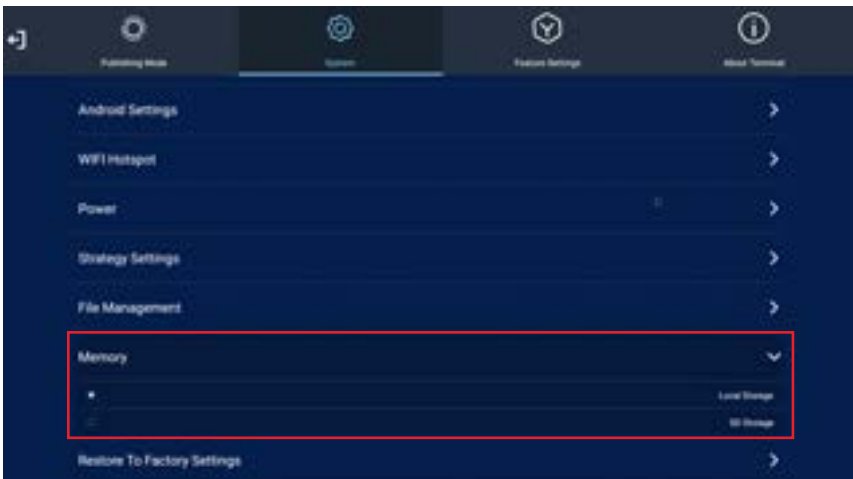
The built-in storage usage information can be viewed in the file management menu, and the disk can be formatted.

Select 'Format' and press the confirm button to format the built-in memory.



4.2.9. Memory

The available memory options vary in different working modes.



Local Storage: Programs downloaded from the server are stored in the built-in memory and used for playback.

SD Storage: Programs downloaded from the server are stored in SD and used for playback.

4.2.10. Restore To Factory Settings

Select 'Restore Factory Settings', and the following prompt will appear on the interface. Click Yes, and all system settings parameters will be restored to their factory settings; If you choose No, there will be no change.

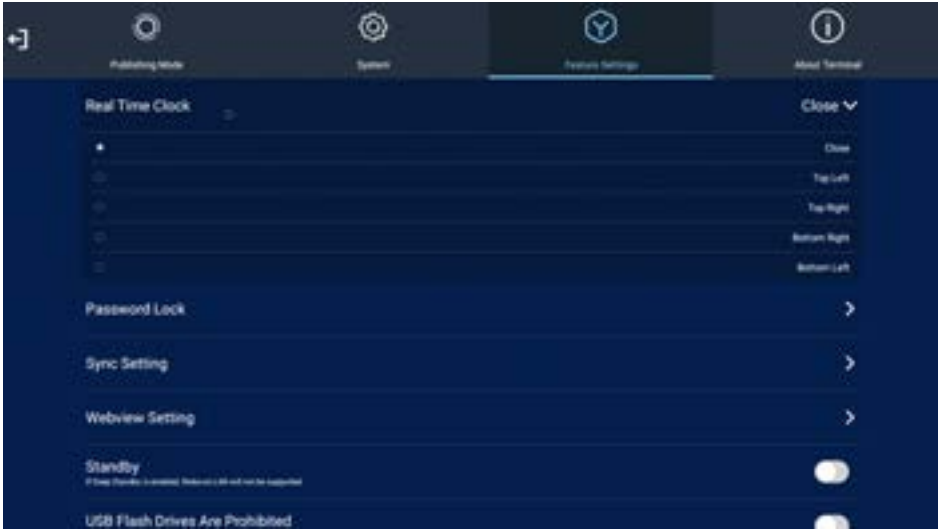


4.3. Feature Settings 3.3.1. Real Time Clock



4.3.1. Real Time Clock

The terminal interface can display the current time, and the display position of the real-time clock can be set here.

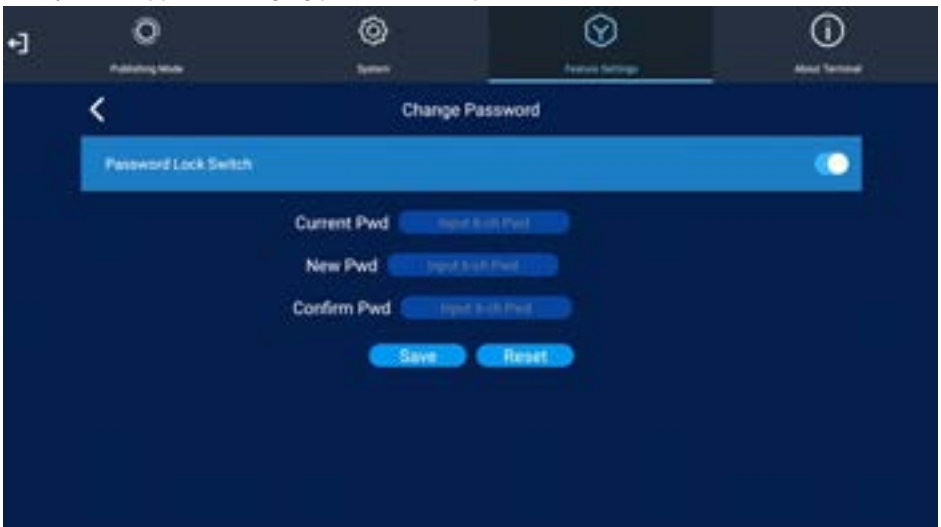


Top Left/Bottom Left/top Right/Bottom Right: Display the real-time clock in the top left, bottom left, top right, or bottom right corner of the screen.

Close: The terminal screen does not display the real-time clock.

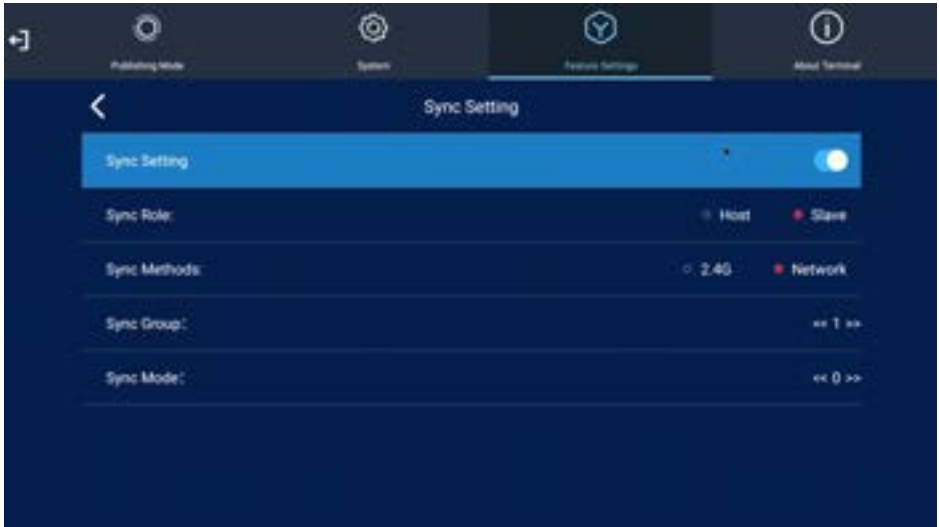
4.3.2. Password Lock

The system supports changing password lock passwords.



4.3.3. Sync Setting

The terminal supports synchronization function, and multiple terminals can play programs synchronously. The synchronization function can be set here.



Sync Setting: Turn on or off the synchronization function.

Sync Role: Host: When using the synchronization function, set the current terminal as the host, and other slaves will play the same or different programs simultaneously with the host. Only one host can exist in the same area.

Slave: Automatically synchronize with the host to play programs.

Sync Methods: Use 2.4G network or wireless network.

Sync Group: can be set to 0~255.

Sync Mode: 0: The host sends a synchronization signal at the beginning of playing each material.

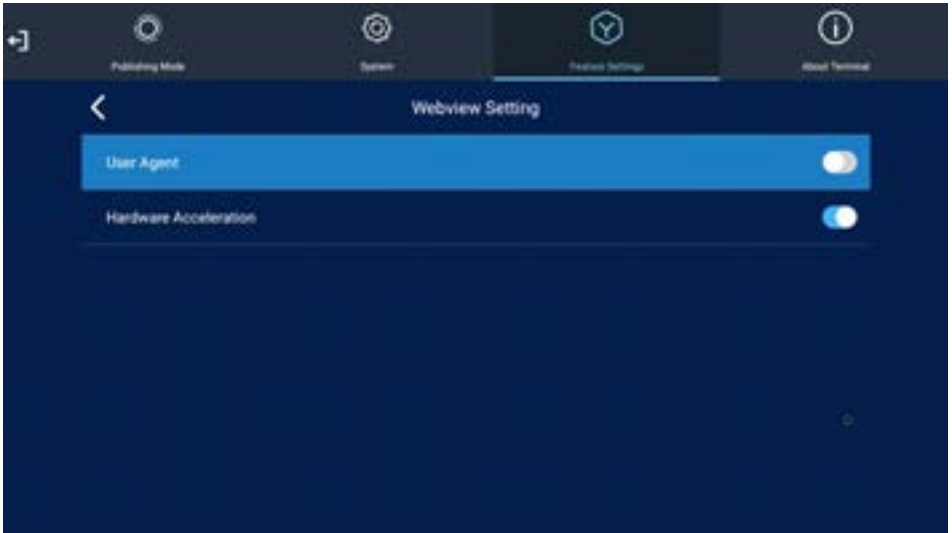
1: The host sends a synchronization signal every minute.

(The host sends a synchronization signal, which is only sent at the beginning of the video playback and will not be sent during the video playback)

In the test mode of '0' mode, the slave will have an arrow synchronization flag in the upper left corner after receiving the synchronization signal.

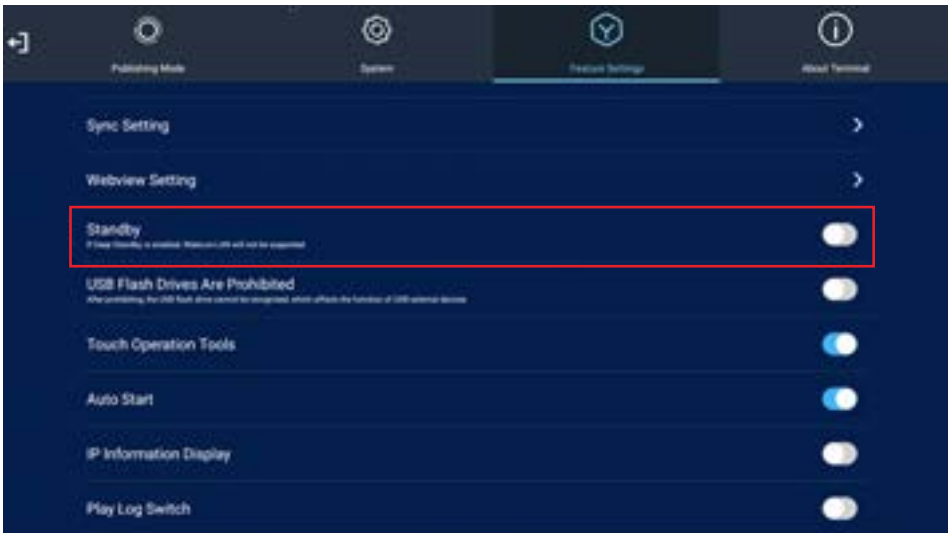
4.3.4. WebView Setting

Choose whether to turn on the user agent and hardware acceleration switch.



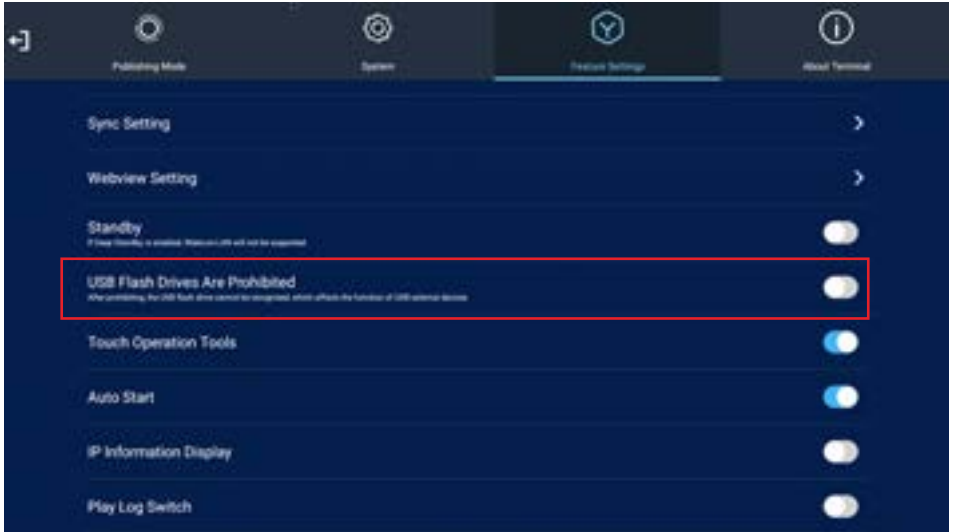
4.3.5. Standby

Choose whether to turn on the 'Deep Standby' switch.



4.3.6. USB Flash Drives Are Prohibited

Choose whether to turn on the 'disable USB drive' switch.

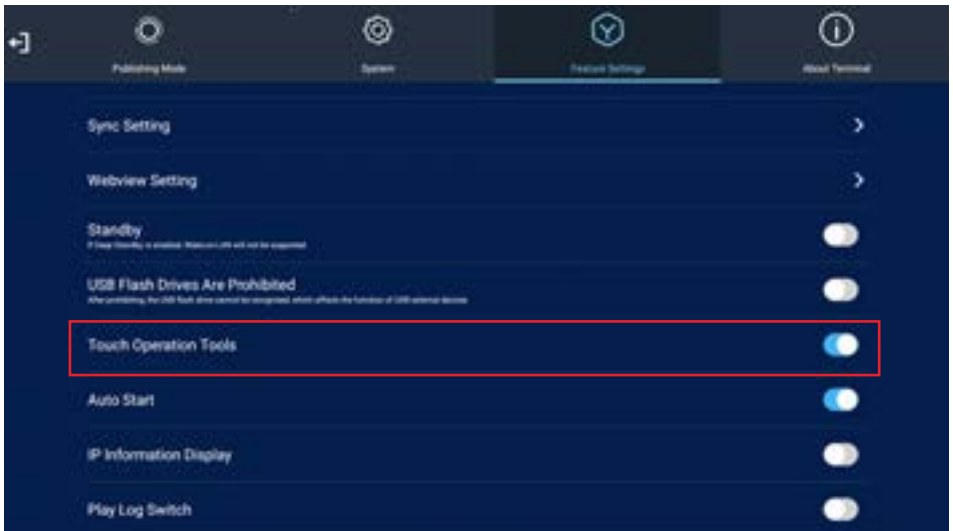


4.3.7. Touch Operation Tools

Here, you can set whether the terminal screen touch assist tool is displayed.

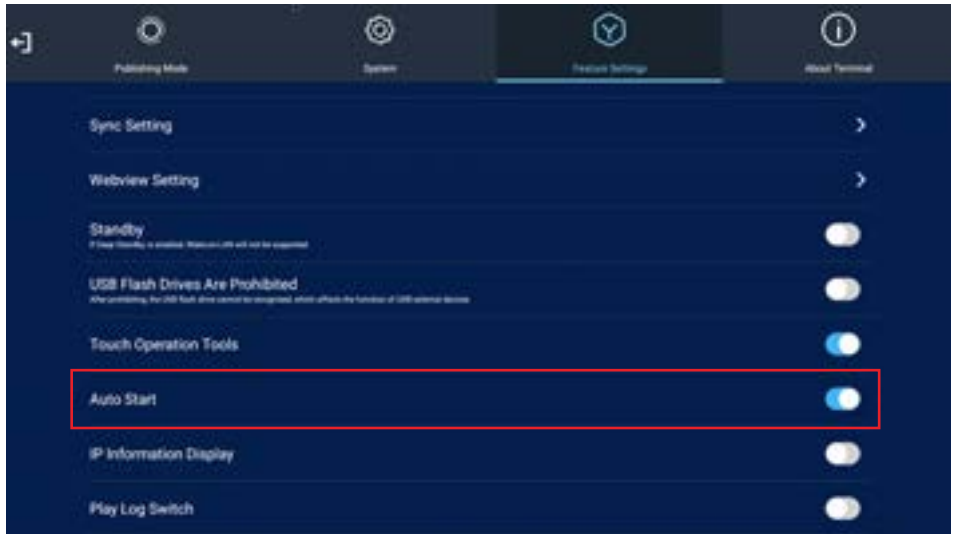
Off: The screen does not display the auxiliary touch tool. To access the tool, tap twice in the upper left corner and tap twice in the lower left corner of the screen.

On: Touch assist tool is displayed in the upper left corner of the screen.



4.3.8. Auto Start

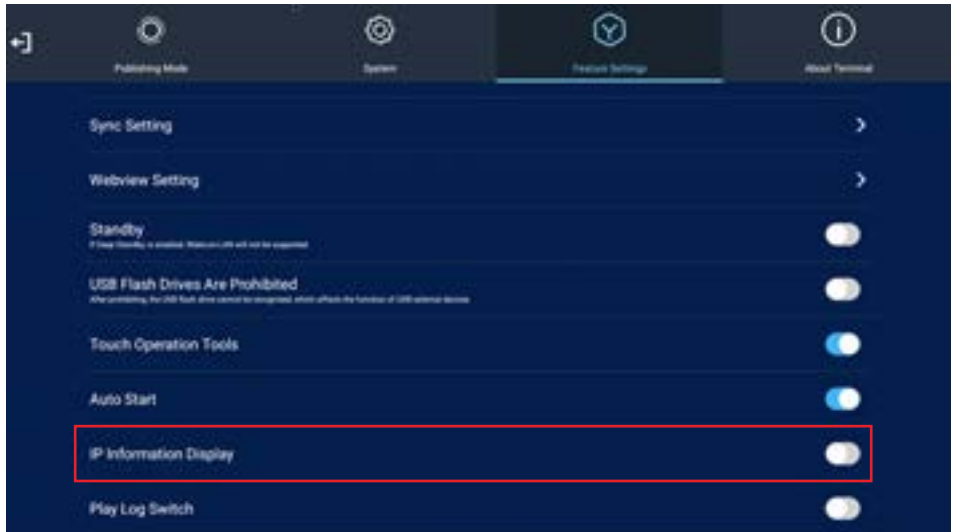
Here, you can set whether to turn on the startup auto start function.



4.3.9. IP Information Display

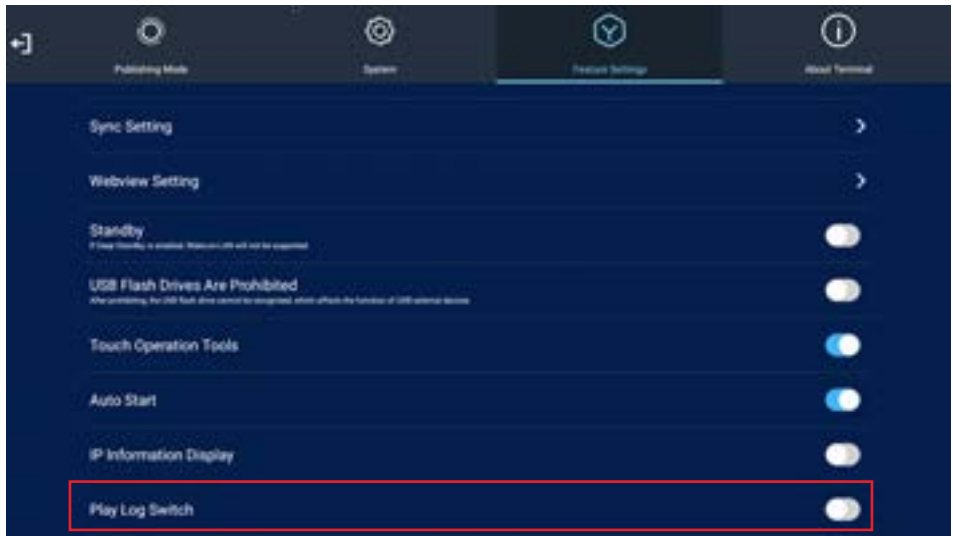
On - Display IP information on the main interface;

Off - The main interface does not display IP information.



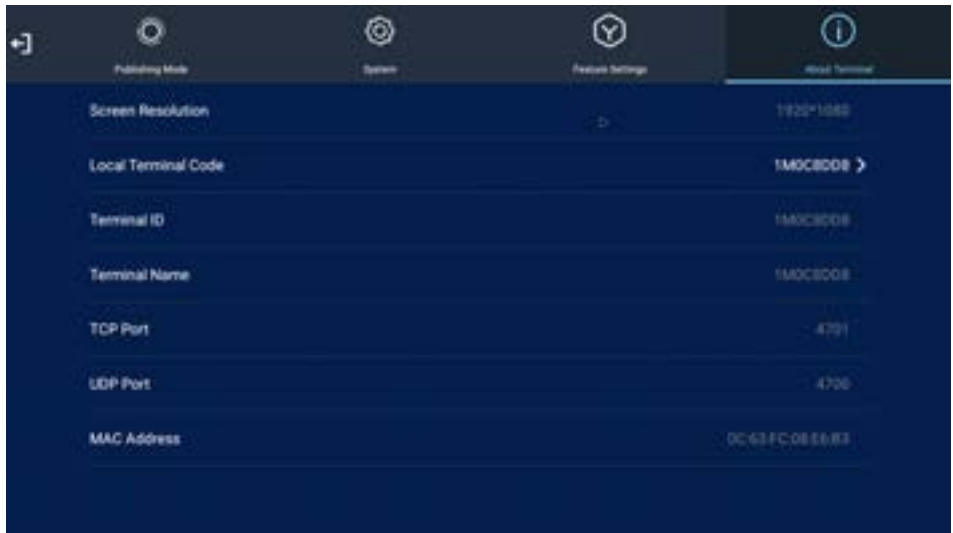
4.3.10. Play Log Switch

Set whether to enable the playback log function. After activation, the terminal system will record the program playback status and upload it to the server platform.



4.4. About Terminal

Used to display resolution, local ID, local name, TCP port, UDP port, and MAC address.



Support modifying the local machine number.



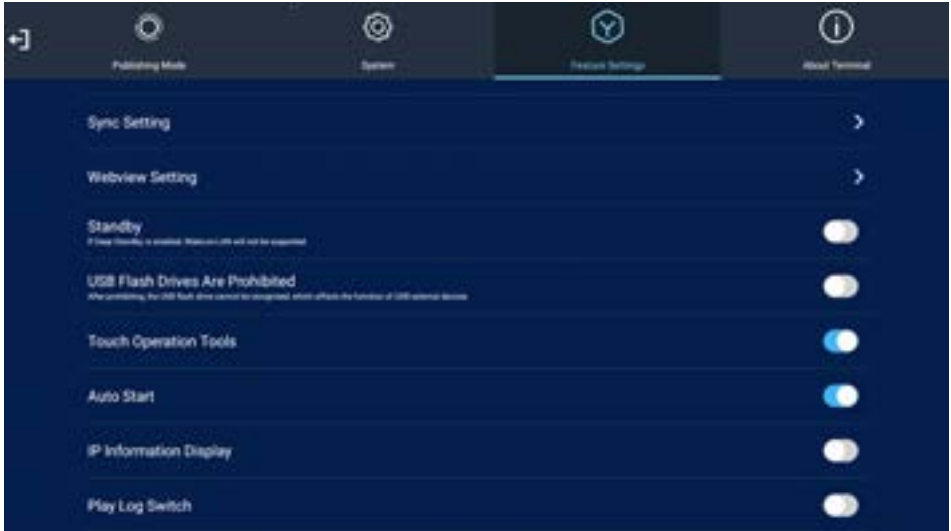
5. System Upgrade

The player system can be upgraded via a USB disk on site.

USB Drive Upgrade

You can also use USB storage devices for system upgrades, as follows.

1. Enter the OSD menu, select System Settings>Disable USB flash drive, and ensure that the USB interface is turned on.



After activation, the button on the right displays blue, as shown in the above figure.

2. Save the upgrade file android_update.zip to the root directory of a USB disk.
3. Plug the USB disk into the player's USB port with the player turned on.

NOTE: Do not plug in the USB disk during content downloading.

4. Once the USB disk is detected, system will check the files in it.
5. During file checking, the upgrade file version will be compared with the current one and the result will be given to you like below, allowing you to choose whether to continue.
6. When copying completed, you'll be prompted with the following message.
7. When copying completed, you'll be prompted with the following message.

NOTE: Avoid power outage during system upgrade. Otherwise, the system may be destroyed and cannot run or upgrade anymore.

6. Product Warranty and Maintenance

6.1 Warranty Policy

- A one-year warranty is provided starting from the purchase date, covering normal and reasonable use of the device.
- Unauthorized modifications or parts replacements will void the warranty.

6.2 Maintenance Guidelines

1. Regularly clean the device, including dusting the surface and frame.
2. Follow the safety precautions listed in Section 1.5.
3. In case of device failure, inform the seller and ensure that any maintenance works or repairs be performed by a qualified professional.