

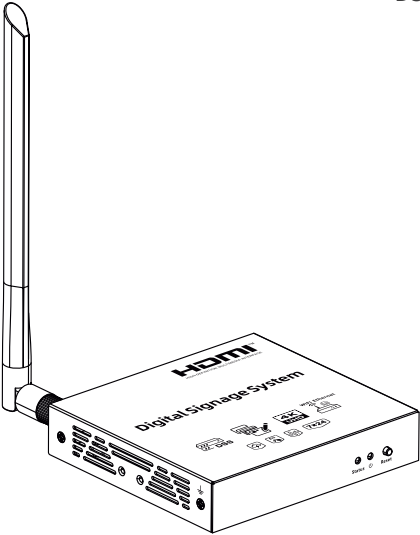
Disclaimer

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User Manual

Digital Signage System

——DSS Terminal



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• Important Safety Instructions:

1. To prevent electric shock, please ensure that all devices are properly grounded.
2. Do not place this device near or over a radiator or heat register, or where it is exposed to direct sunlight.
3. Do not place the device on an uneven or unstable surface, the device may fall resulting in a malfunction.
4. Do not expose this device to rain or place it near water. Any liquid that goes into the device may cause a failure, fire, or electric shock.
5. If a third-party power supply is used, please ensure that the power supply specifications meet the product requirements.

• Introduction

This DSS terminal has powerful multimedia information distribution and audio and video processing capabilities. Combined with an APP, it forms a complete digital signage system. It enables you to easily manage and publish content remotely, facilitating efficient advertising campaigns. It supports the editing, distribution, playback, and management of advertising programs, and allows for remote program distribution and terminal monitoring via both local area network (LAN) and the internet. It supports a maximum resolution of 4K and enables remote advertising publishing through WiFi and Ethernet connections. It also supports automatic loop playback via USB drive. This product is widely applicable to various venues, including shopping malls, airports, exhibitions, and restaurants.

• Features

- 1. Supports 4K@60Hz ultra high-definition advertising.
- 2. Supports remote management and advertising distribution by APP.
- 3. Supports multiple operating systems, such as Android, iOS, Windows, macOS, etc.
- 4. Supports insert a USB drive to play ads automatically in a loop.
- 5. Supports account management, facilitating the management of terminals.
- 6. Supports dual-mode networking via WiFi and Ethernet.
- 7. Data encryption ensures security.
- 8. Lightning protection, surge protection, ESD protection.
- 9. Stable 24/7 operation.

• Package Contents



DSS terminal x1



Antenna x1



Power Adapter
DC5V/2A x1



User manual x1



Mounting ear x2



Grounding
Screw x1

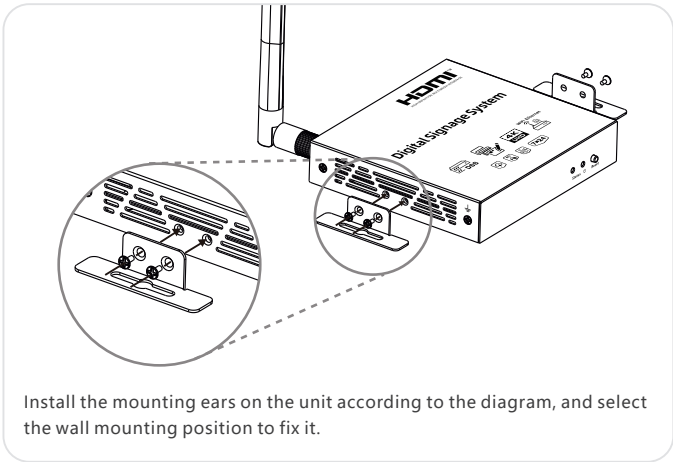


Screw x5

• Installation Requirements

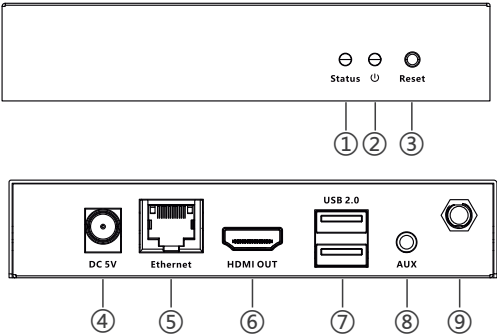
Item	Description	Requirement
Cable	Cat5e/6 or above, following standard IEEE-568B	CAT6/6A/7 ≤ 120m
Display	TV, projector, LED screen, etc. with HDMI port	HDMI cable ≤ 5m
Network switch	Connect DSS terminal through switch	Gigabit switch
Router	Use the APP to control the product while in the same network	Gigabit bandwidth or higher

• Wall Mounting



Install the mounting ears on the unit according to the diagram, and select the wall mounting position to fix it.

• Panel Description



①	Status indicator	1) Light off: The transmitter and the receiver have not established a connection 2) Steady on: The video data is transmitting
②	Power indicator	Indicator lights up when power is applied
③	Reset	1) Press to restart the device 2) Press and hold for 5 seconds to restore factory settings
④	Power input	Input DC5V/2A power supply
⑤	LAN socket	Connect to an Ethernet network
⑥	HDMI out	Connect with HDMI display device
⑦	USB2.0 port	1) Connect with USB2.0/1.1 device, such as USB flash drive, keyboard, mouse, etc. 2) Used for firmware upgrading
⑧	AUX port	For audio output
⑨	Antenna	For WiFi connections

• Connection & Operation

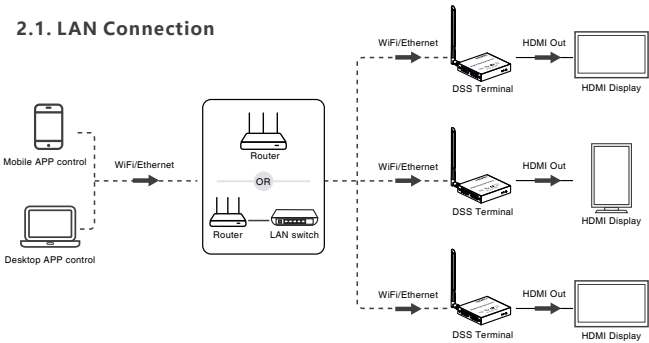
1. How to make a network cable, follow the standard of IEEE-568B:

- 1-white and orange 2-orange 3-white and green 4-blue
5-white and blue 6-green 7-white and brown 8-brown

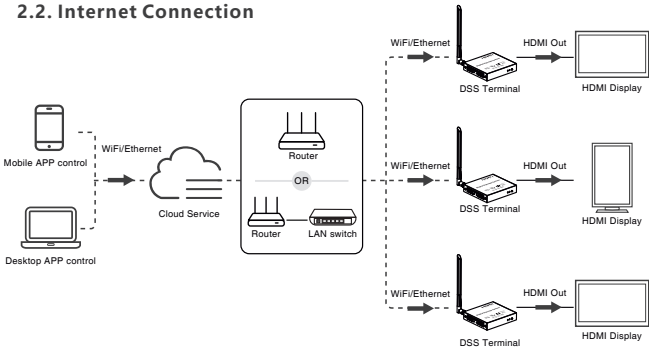


2. Connection

2.1. LAN Connection

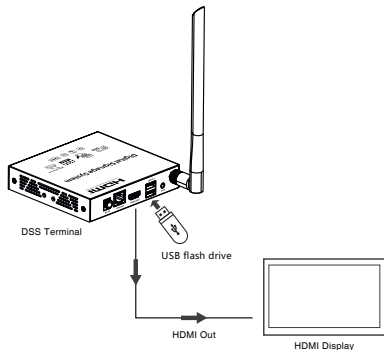


2.2. Internet Connection



2.3. Insert a USB drive to play ads automatically in a loop

When a USB flash drive is inserted, ads on the USB flash drive are played first. When no USB flash drive is inserted, ads are played using the app.



I. Download APP

Download microdss APP from the website:
<https://www.ipcolor.org/download.html>

II. Network access

1. Connect the device to the display via an HDMI cable.
2. Connect the mouse/keyboard/USB flash drive to the USB port of the terminal.
3. Plug the power supply into the device and turn on the device.
4. The terminal can be connected to the network via Ethernet cable or WiFi (supporting both local area network and the internet).
5. Connect the mouse to the terminal, click the left mouse button, and a QR code window will pop up on the screen. Click "SETTINGS" to enter the settings page. By default, you can log in without a password. If you need to set a terminal password, please go to "TERMINAL PASSWORD" to set it. After setting the password, you will need to enter it to access the settings page.

6. On the settings page, you can manage terminal parameters, change network settings, and configure more detailed information.

III. Open APP

Local Area Network (LAN): No account login is required; the App can be used as long as it is on the same LAN as the terminal.
Internet: Account login is required for use.

IV. Binding Terminal

Open the APP interface, go to the terminal details page, click "Terminal - Add Terminal", and enter the terminal ID or scan the terminal QR code to add it.
Password-free binding is supported for convenience. To ensure security, we recommend setting a password for the terminal. Future bindings will require password authentication.

V. Creating Ads

Click "Create" to add images, videos, or other materials for ad creation. Adjust settings such as ad orientation (landscape/portrait), media playback duration, and full-screen display to customize your advertisement.

VI. Publish Ads

1. After adding materials, click "Go to Publish".
2. Select the target terminal(s) and click "Publish Now". The terminal display will show the ad download progress in the bottom-right corner. Once completed, the ad will automatically play during the scheduled time period.

• FAQ

Q: Why does it take so long for the ad to show up after it's posted?
A: 1) Check if your device's network connection is working properly.

- 2) See if the ad is downloading; you'll need to wait for it to finish downloading before it shows up.
- 3) Check if the ad has been successfully unzipped (you can check this in terminal storage/APP).

Q: Why is there no signal input on the screen?

A: Please check whether the HDMI cable is connected well.

Q: Why there is no sound when playing advertisements?

A: please make sure the audio output device is working properly and it is not muted.

Q: What to do if it is showing a device malfunction?

A: Try to check whether the HDMI cable is connected well or reboot the device.

Q: Why is the screen not responding?

A: It might be in firmware upgrade mode; you can turn it back on to get it back to normal.

Q: Why does the image sometimes go outside the screen when connected to a monitor?

A: This can be solved by setting:

- Step 1: Use the remote control to enter the TV's settings menu;
- Step 2: Find the "Picture" or "Display" option;
- Step 3: Find "Picture Ratio" or "Display Mode", and select "Full Screen", "16:9", or "Widescreen".

• Technical Parameters

Item		Specification
Power Supply	Voltage/Current	DC5V/2A

Power Supply	Power Consumption	≤3.5W(without peripherals)
	Memory	1GB
Storage	Storage	4GB
	Decoding	Supports 4K@60Hz decoding
Functions & Formats Supported	HDMI Version	HDMI 2.0
	Resolution	4096x2160@24/30/50/60Hz, 3840x2160@24/30/50/60Hz, 1080p@50/60Hz, 720p@50/60Hz
	Image Format	BMP/JPG/ PNG/GIF/JPEG
	Video Format	MP4/MOV/TS/MKV/AVI/MPEG
	Publish Method	Publish advertisements online via APP
Network	Wireless Standards	802.11a/b/g/n/ac
	WiFi Frequency Bands	2.4GHz/5GHz
	Ethernet	10/100M/1000M adaptive Ethernet
Operating Environment	Working Temperature	0°C~60°C
	Storage Temperature	0°C~70°C
	Humidity (no condensation)	0~90%RH
Appearance & Properties	Dimension	125.0(L)x115.0(W)x 25.0(H)mm
	Material	Iron
	Color	Black
	Net Weight	326g
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2	
	Lightning protection, Surge protection	