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V1	首批发行	KIM	肖艳菊	2023/09/04

XFANIC

Wireless HDMI Extender

User manual

Dear customer, thank you for purchasing our product. In order to understand the product further,please read this manual carefully before use. Wish you a happy experience.

Package Contents

Receiver(Base Unit)	X1	Adapter DC12V/1A	X1
Transmitter(Button panel)	X1	Manual	X1

Feature

- Plug and play, no additional drivers required.
- Supports single display mode and dual display mode.
- With reverse-control function, allowing to control the host device from the receiver end through mouse, and touch pannel(Mac OS is not supported).
- Supports WIDI / Miracast / DLNA / Airplay.
- Wireless Transmission distance up to 98ft/30M(unobstructed).
- WIFI transmission frequency 5GHz.

Specification

General info (Receiver)	
Dimension : 141.72*108.3*30MM Product Weight : 333.8g Enclosure : Aluminum Alloy, Deep Grey Power : DC12V, 1A	Power Consumption: Full load ≤5W Standby consumption: <3W Storage temperature: -20℃ ~ +45℃ Operating temperature: 0℃ ~ +40℃
Storage Humanity: 0 to 90% relative humidity, non-condensing Operating Humanity: 0 to 85% relative humidity, non-condensing ESD ProtectionContact discharge: ±4kV; Air discharge: ±8kV Compatible system: Windows 10 or later, 32 & 64 bit Mac OS 10.14 or later,Android 9 or later,iOS 11 or later	

Technical Characteristics(Receiver)	
HDMI out : 3840x2160P60 / 1920x1200P60 1920x1080P60 / 1280x720P60 / 1024x768P60	
Audio out : 1*3.5mm AUX port; HDMI:44.1KHz/48KHz/16bit PCM2.0;	
USB-C : 1*USB-C , For pairing Tx	
USB-A	2*USB-A, Connect to touch panel/mouse to control Host; Note:Mac OS is not supported ; Keyboard is not supported
	Multi-media play (Only avalible for U-disk FAT32/FAT) -Image:jpg/png/bmp -Video:MP4/MKV/TS/AVI Audio:MP3/AAC
LED : Blue ON: On Blue Flashing: Boot completed, waiting for screen casting Red ON: Screen casting is established	
RESET : Long press for 5S to reset the device Driver : Driveless on Windows/macOS/Linux/iOS AirPlay : iOS AirPlay(iOS 9.0~iOS 12/ Mac OS 10.14) Miracast : Android 5.0 or later Multi-Connection : 2 Simultaneous Connections : 1 Receiver can pair with 16 transmitters for switching Video Latency : 150ms RJ45 : 100Mb/s , LAN interface Antenna : Receiving Sensitivity: -70dBm Transmission Protocol : IEEE 802.11ac/802.11n Encryption Protocol : WPA2-PSK Frequency band : 5GHz Connection Range : 98ft/30M Coding/Decoding : H.264, H.265	

Specification of Transmitter

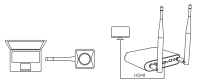
General info (Transmitter)	
Dimension : 159×62×16.7mm Product Weight : 67.1g Enclosure : PC+ABS black Power : DC5V/ 1A(USB-C)	Power Consumption : Full load ≤2.5W Standby consumption : <1.8W Storage temperature : -20℃ ~ +45℃ Operating temperature : 0℃ ~ +40℃
Storage Humanity : 0 to 90% relative humidity, non-condensing Operating Humanity : 0 to 85% relative humidity, non-condensing ESD Protection Contact discharge: ±4kV; Air discharge: ±8kV1 Compatible system : There is no requirement for the system, and the USB-C interface is required to support DP video output function	

Technical Characteristics(Transmitter)	
Input Resolution:3840X2160@30Hz 2560x1600@30Hz 1920x1200@30Hz 1920x1080@60Hz 1366x768@60Hz 1280x800@60Hz 1280x720@60Hz 1024x768@60Hz	
Audio: 44.1KHz/48KHz/16bit PCM2.0	
USB-C: Power supply, audio/video transmission, pairing and feedback control signals	
Driver/System: Driveless on Windows/MacOS/iOS/Linux No requirement for the system, and the USB-C interface is required to support DP video output function	
LED light	1. Power on, the purple light flashes once, then the blue light remains on, and then the blue light slowly flashes. 2. When TX and RX are successfully connected, the blue light remains on. 3. When the TX screen is projected, the red light is constantly on. Fault: The purple light is constantly on or flashing. If the TYPEC DP signal is not present, the purple light will flash.
Video Latency: 150ms Encryption Protocol: WPA2-PSK	Connection Range: 98ft/30M Coding/Decoding: H.264, H.265
Antenna: Receiving Sensitivity: -70dBm Transmission Protocol: IEEE 802.11ac/802.11n Frequency band: 5GHz	

Installation

1). Take out the antenna and install it on the back of the receiver.
2). Connect the receiver to the display screen through HDMI cable, then start it after pluging the power supply, and the display terminal will display the standby screen of the product;
3). Plug the transmitter into the computer and it will automatically connected, the blue light will keeps on after about 15 seconds, it means the connection is successful, then click the button to cast the screen.

Notice:
The receiver and transmitter are paired by default when leaving the factory. If the screen cannot be successfully projected, please pair the receiver and transmitter manually.



InstalPairing Instruction

Insert the transmitter into the USB port of the receiver, the red light flashes quickly, after a few seconds the transmitter shows that the light is always on, which means the pairing is successful.

Application

The receiver base unit can be used alone , it needs to cooperate with the software in the mobile phone or computer. Different OS different setting, please follow the instructions below to set the screen sharing.

iPad/iPhone users

Select the **WIRELESS_xxx** device in the wireless LAN to establish a network connection.
(The initial password is: 12345678)

Slide the screen to enter the Apple Device Control Center--> Click Airplay--> Check and Select the **WIRELESS_xxx** device -->Click to display the screen.

Android users

There are two ways to share screen on Android device. Android phones/tablets can be projected through Miracast without the need of WiFi emitted from receiver.(Miracast may have different names on different brand phones)

Android device sharing screen via Miracast

Slide down menu-->Wireless screen cast-->Select target receiver-->enable screen sharing

Tips: Different brand screen casting function path reference

- HUAWEI: Setting>Smart Assist Multi-screen Interactive
- Xiaomi: Settings-connect and Share-cast Screen
- VIVO: Settings-other connection methods-smart screen
- OPPO: Settings-other connection methods-smart screen
- MEIZU: Setting>Display projection Screen
- Lenovo: Setting Display> Wireless Display
- SAMSUNG: Phone From Top To Bottom>Smart View
  Some Android devices do not support wireless screen projection feature.
  For more information, please consult customer service of Android phone/tablet.

Android device sharing screen via app

Scan QR codes and download sharing screen APP, connect to the WIFI hotpot emitted from receiver, and enter APP to share screen;
1) . Scan the QR code to download and install the Wireless cast app--MR

2). Connect to the WIFI hotpot of receiver, default password: 12345678
3). Enter the MR app to start screen sharing.

DLNA Connection

1) Check your device and network
Make sure that your phone, tablet, or computer is connected to the WiFI**(WIRELESS_xxxx)** of Receiver and make sure its wireless network strength is sufficient, otherwise it may cause unstable screen projection.

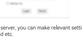
2) Select a DLNA application
There are many applications that can support DLNA and transfer digital media files to TV, such as Plex, Bubble UPnP, and so on. These applications can be downloaded through the app store.

3) Connect DLNA
Open the DLNA application of your choice and find the movie, TV program, or music you want to screen. On the player control bar, you should be able to find a "screen casting" or "TV" icon. Click on it and the application agent will scan the network for devices that support DLNA. And you will find the "WIRELESS_ xxxx" in list , just select it and enjoy the DLNA connection.

Web Configuration

Connect the WiFi SSID of the receiver via PC or mobile device, the IP(192.168.118.1 as default) is displayed in the upper left corner of the standby screen. Enter the IP address in the browser (Chrome recommended), enter account and password to the login interface and enter for setting configuration.

Account : admin
Password: admin



After logging into the WEB server, you can make relevant settings for the device, view its operating status and etc.

Modify Resolution

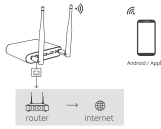
The output resolution can be modified, after modification , please click the share button to disconnect and click the share-button again to take the modification into effect.

You can modify the WiFi account and password, and other network settings.

Update the startup/standby screen

Startup screen requirements:	Standby screen requirements:
1) Image format: JPG	1) Image format: JPG
2) Image name (lowercase): logo	2) Image name (lowercase): home
3) Image resolution: 1280x720	3) Image resolution: up to 3840x2160
4) Image size: less than 512KBtye	4) Image size: less than 4MBtye

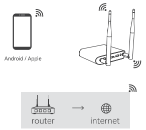
Wired Network bridging



As shown in the figure above. Connect the network port to the router , reboot Rx unit , router will dynamically assign LAN IP to Rx unit. You can check the LAN IP on the left-top of standby interface as picture shown as below.

Now, Phone/tablet can achieve both streaming video/audio and accessing the Internet by connecting to the WiFi hotpot of the receiver.

Wireless bridging



Note: Before doing the Wireless bridging setting below,please make sure that network cable is unpluged and reboot Rx device.

1). Login Web interface → Network setting → Miracast Settings → **Disable Miracast** → Save setting.
2). Refresh the browser

3). Log in web again → Enter the router SSID and password → Click Connect(the connection status will indicate that it is connected)-->Click Save.
4). Reboot Rx host and connect you Phone to the WiFi **WIRELESS_xxx**. Then, you can enjoy the convenience of wireless bridging.

Multi-media playback

When the Receiver is idle (no video connection) and attach USB disk to USB port, the Receiver supports automatic looping videos and images from the USB disk. You can edit the playback parameters (**ewplayer. ini**) to ajust the playback parameters and copy it to the root directory of the USB drive to take it into effect.

Restrictions

1). Only supports FAT32 format USB disk . Videos and images files need to be placed in the root directory.

2). Only support MP4, MKV, TS, AVI video files;image: supports jpg, png, and bmp formats
3). Video encoding supports h264/h265; Audio encoding supports MP3/AAC.
4). When you enable any screen sharing, the automatic playback function will automatically turn off.

ewplayer. ini

```
[ewplayer]
play_mode=0
#0: Default value 0, play videos and images; 1: Only images; 2: Video only.
image_show_delay=15
#Image playback delay: default 15 seconds, [1-3600].
video_mute=0
#Enable video mute playback, default to 0, not enabled.
```

FAQ

1.How to use the button on the transmitter panel:
(1) Short press the button, and the red light will light up and start to share screen;
(2) Short press the button, the blue light will light up and the sharing will exit;
(3) When there are multiple transmitter streaming to receiver, long press and hold one of the transmitter button, and the red light will light up and start to share, then other hosts will exit.

2. Logic of sound sharing:
(1) When the receiver receives multi sharing from different host/transmitters, there will be no mixing, and you will only hear the sound of the last shared host on the display;
(2) When the receiver receives multi sharing from different host/transmitter, the sound of the previous sharing will automatically return to the display after the last shared host exits.

3. When and how to pair the transmitter to receiver:
The pairing identification code of the host is unique as factory default. But when any of the following situations occur, it is necessary to pair the keys with the host again.
(1) Software upgrade;
(2) Web settings change;
(3) Add a new transmitter to the connection.
Pairing method:
Insert the key into the USB-C port of the host, and pairing is successful when the red light of the key remains on.

4. The transmitter cannot connect to the receiver:
If the computer is connected to a transmitter and the blue light flashes for a long time, and a dialog box that is currently being connected appears on the screen, but the image/sound cannot be displayed correctly, just simply plug the button into the USB port of the host and pair it again, as FAQ mentioned in the 3rd point above.

5. What will happen if computer be in standby mode?
When the computer enters standby/sleep mode , it cannot project the screen and the button display light is blue.

6.Sound lag or Video lag during transmission?
When there are many wireless devices on the site and interference is severe, you can enter the web and modify the channel to avoid interference(as Chapter-5.Web Configuration)

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This symbol indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.
NOTE: 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.

FCC ID:2ASRI-V8214A-RX

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Warranty Information

Please fill in relevant information to ensure your legal rights

User Information			
User name		Contact	
Seller Information			
Seller name		Contact	

Warranty : ______________

Our hardware product enjoys the corresponding warranty service from the date of purchase. The warranty is limited to the product host and the accessories are not covered by the warranty.

1. 材质：80g白牛皮
2.表面处理：/
3.印刷印刷：1C
4：成型尺寸：90x120mm，展开尺寸：720x120mm
5.尺寸公差：±0.5mm
6.印刷偏位：<=0.5mm
7.套印偏位：<=0.35mm
8.印刷油墨（成品）矿物油含量需满足MOSH(C16-C35)小于0.1%;
MOAH （1-7芳香环）小于0.1%;MOAH (3-7芳香环)小于0.0001%。

Designer/设计师
KIM
Verifing/审核
业务/项目
何家颜
DATA/日期
2023/09/04

Scale/比列 1:1

General tolerance:
At least --- Less than

0 ~ 10	± 0.2
10 ~ 30	± 0.5
30 ~	± 1

Sheet-of 1/1
Unit mm
Size A4
Scale

Brand/品牌
Model/型号 XF-V8214
环保要求：RoHS2.0，REACH，包材指令