



100M Wireless HD Extender
USER MANUAL
Model:WX001

Model :WX002G (TX+RX)

1. Description

The wireless HD transmitter and receiver kit utilizes point-to-point wireless transmission technology, enabling the seamless extension or mirroring of video and audio signals from a PC or Laptop to a large screen, such as a monitor or TV, over distances of up to 100 meters in open areas. This innovative solution eliminates the clutter of messy cables and the limitations of traditional HD connections, making it an ideal choice for conference rooms, live room, home entertainment setups, and multimedia education environments.

2. Product Features

1>. **Powerful signal transmission:**

- **With external antenna**, the signal transmission distance can reach 100 meters, which is suitable for large space range, such as large conference rooms, exhibition halls, monitoring rooms, parking lots and other places, ensuring stable connection between long-distance devices.
- **With built-in antenna**, the effective transmission distance can reach about 100 meters, meeting the use requirements of general small and medium-sized spaces, such as ordinary offices, family study rooms, etc.

2>. High-definition image quality support: It supports image quality transmission up to 1920x1080@60Hz or 4K@30Hz, presenting users with clear, smooth and realistic video images, providing excellent visual experience for playing high-definition videos, image design, live monitoring, video conferencing, etc.

3>. Plug and play: The operation is simple and convenient, without complicated installation programs and settings. Just connect the device to the corresponding host and display terminal to quickly realize signal transmission and device control, saving time and energy.

4>. Important Note: 5G band (W52) indoor use only

3. Packing list

HD Transmitter(TX) - - - - - 1 pc

HD Receiver(RX) - - - - - 1 pc

Power Cables - - - - - 2 pc

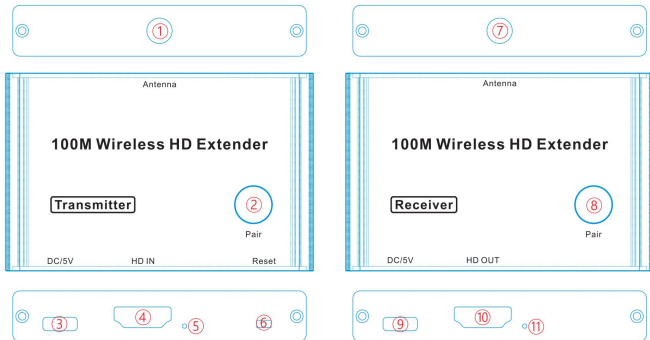
User Manual - - - - - 1 pc

4. Specifications

Parameter		Description
Transmitter	Standards	HD 1.4
	Connector	HD-A; Standard HD Interface
Receiver	Standards	HD 1.4
VIDEO	Connector	HD-A; Standard HD Interface
	Resolution range	3840*2160@30Hz; 1920*1080@60Hz
	Transmission	≤100M (When passing through the obstacle, the distance

	Distance	will be shortened based on actual situation)
Other	Power supply	USB Power Supply(DC 5V/1A)
	Power dissipation	MAX 3W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	(LxWxH):85.3 x 54.6 x 14 mm

5. Interface specification



WX001 Transmitter (TX) Interface Introduction

No	Description	Function
①	Antenna	External antenna interface (Note the signal pin of the antenna)
②	Pair Button	Press to disconnect or reconnect
③	USB-C Power	Power the Transmitter using 5V/1A power cable
④	HD IN Male	Connect Laptop/PC/HD signal using 4K HD cable
⑤	Pair LED	Pairing indicator light, flashes during pairing, stays on after successful pairing, flashes slowly if unpaired
⑥	Reset	Reset Button; Press for 10 seconds to restore to factory settings

WX001 Receiver (RX) Interface Introduction

No	Description	Function
⑦	Antenna	External antenna interface (Note the signal pin of the antenna)
⑧	Pair Button	Press to disconnect or reconnect
⑨	USB-C Power	Power the Receiver using 5V/1A power cable
⑩	HD OUT Male	Connecting a monitor or other display device
⑪	LED	Pairing light, flashes during pairing, and stays on after successful pairing

6.Installation steps

- 1>. Connect the HD source to the input port of the Wireless Transmitter with an HD cable;
- 2)>. Connect the display device to the output port of the Wireless Receiver with an HD cable
- 3 >. Power the Transmitter and Receiver using the included USB-C power cable
- 4 >. Wait for about 5~10s for the pairing successful.

7. Re-pairing Steps

1>. Receiver (RX) Operation

Locate the pairing button on the RX unit. Press and hold the button for 5 seconds, then release it once the pairing prompt indicator appears.

2>. Transmitter (TX) Operation

Immediately after completing the RX operation, press and hold the pairing button on the TX unit for 5–10 seconds until the LED indicator turns off. Release the button as soon as the TX LED indicator starts flashing.

3>. Await Pairing Completion

After operating both the TX and RX units as instructed above, wait 5–10 seconds for pairing to complete. A successful pairing will be confirmed by the display device showing a normal image.

If no image appears within the specified time frame:

- Check if the distance between the TX and RX units exceeds the effective working range.
- Check for nearby strong interference sources (e.g., other wireless devices, large electrical appliances).

8. Warranty

Thank you for using this product. Please read the following protection terms carefully:

We provide a 1-year warranty and lifetime maintenance after-sales service for this product.

During the warranty time, our company will provide customers with free maintenance services for any quality issue.

■ Safety instruction

Please do not disassemble this product by yourself because it doesn't include a DIY function;
Please keep the product away from water in case damaged, because it is not a waterproof design;

Please use a dry cloth when cleaning the product surface;

Please do not use this product in environments that are too humid or too hot; Please avoid contact with corrosive substances;

When there is damage, please stop using and contact customer service to get support.

FCC WARNING

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.



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