
W3103 Wireless extender

User manual

1. Description

The W3103 wireless extender projects smart devices with small screens such as computers, laptops, and Macs onto large screens such as HD TVs, displays and projectors in a wireless manner. It suitable for large screen viewing, game casting, live casting, conference casting and sharing screen content. The device is compact and light, plug, and play has no settings, smooth picture, stable transmission, and is a excellent wireless extender product.

2.Features

- Compatible with HDMI1.3 standard, resolution is 1920*1080@60Hz, downward compatible;
- Support HDCP1.2 standard-high bandwidth digital content protection technology;
- Supports wireless 802.11a/n and 5G band transmission, with a maximum transmission distance of 400m;
- Support 1 to 1 and 1 to many application scenarios;
- No driver installation, no setup, plug and play;

3. Package list

| | |
|--------------------------------------|-------|
| W3103 wireless extension transmitter | 1 pcs |
| W3103 wireless extension receiver | 2 pcs |
| USB-A to USB-C cable | 3 pcs |
| HDMI to miniHDMI adapter | 1 pcs |
| HDMI to microHDMI adapter | 1 pcs |
| User Manual | 1 pcs |
| Warranty card | 1 pcs |

4. Specifications

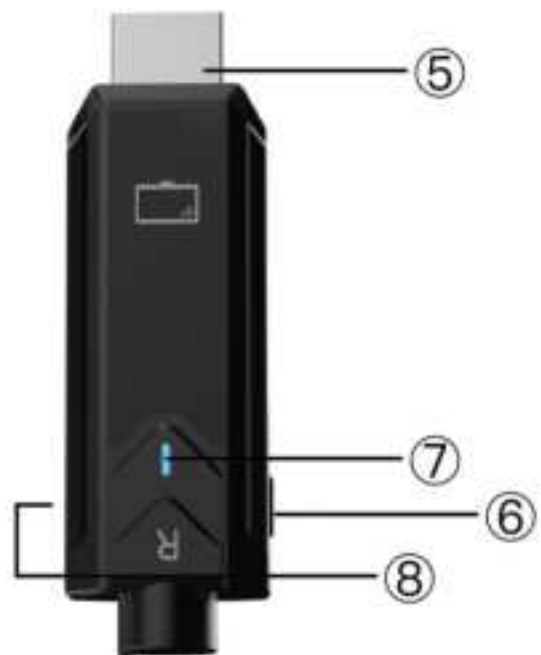
| Parameter | | Description |
|-----------|-----------------------|--|
| Video | Standards | HDMI 1.3, HDCP1.2 |
| | Maximum pixel clock | 165MHz |
| | Maximum data rate | 4.95Gbps |
| | Maximum resolution | 1920*1080@60Hz |
| | Connector | HDMI-A |
| Wireless | Wireless network | 5Ghz |
| | Transmission Distance | ≤400m(1 to 1, more than two will be reduced) |
| Other | Power supply | 5V1A |
| | Power dissipation | MAX 2.6W |
| | Temperature | Operating: -5°C ~ +70°C |
| | Humidity | Operating: 5% ~ 90% |
| | Dimension | 222*25.15*14.1mm |
| | The warranty | 1 year free warranty |

5. Interface specification

Transmitter



Receiver



| Port name | Description |
|-----------|---|
| ① ⑤ | HD video signal input/output interface |
| ② | Transmitter Mirror / Pairing button: 1.Short press the button to stop or re-mirror . 2.Hold down for 5 seconds to pair with the receiver. |
| ⑥ | Receiver Pairing button: Long press for 5 seconds to enter the pairing mode with the transmitter. |
| ③ ⑦ | Status indicator: Light On: video signal normal. Blinking: video signal abnormal. |
| ④ ⑧ | Power input interface. |

6. Operation steps

1. Using one USB-A to USB-C cable to connect the Type-C interface of the receiver to the power adapter;
2. Connect the HDMI connector of the receiver to the display;
3. Connect the HDMI connector of the transmitter to the signal source;
4. When the status indicator is lights up, the system run normally;

Note1:

When the TX power supply of the transmitter is insufficient, use a power adapter to power it and then connect it to the video signal source.

Note2: Paired steps:

1. Press and hold the receiver button for about 5 seconds. When the screen displays "Release the button to pair with transmitter", release the button to enter pairing mode with the transmitter;
2. When the screen displays "Ready to pair", long press the "Projection/Pairing" button on the transmitter for 5 seconds. At this time, the status indicator light flashes and the screen displays "Pairing..."; When the status indicator light turns on normally, the screen displays "Pairing OK", indicating that the transmitter and receiver have successfully paired;
3. After the transmitter and receiver are successfully paired, it can be used normally;

7. Diagram



8. Warranty

Thank you for using this product. In order to protect your rights, please read the following protection terms carefully:

We provide 1 year warranty and lifetime maintenance after-sales service for this product. During the one-year warranty period from the time of purchase, the company will provide customers with free maintenance services due to hardware failures caused by the quality of the product itself.

Please keep the user manual in a place where safety and easy to find so that you can read it immediately when needed.

Safety instruction:

- Please do not disassemble this product by yourself because it doesn't including DIY function.
- Please keep the product away from water in case damaged, because it is not waterproof design.
- Please use dry cloth when clean 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 or other physical damage to the product, please stop using and contact customer service to get support.

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

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.