
W31A01

HDMI Wireless extender

User manual

1. Description

The W31A01 wireless extender projects smart devices with small screens such as computers, tablets, laptops, and Macs onto large screens such as HD TVs, displays, and projectors in a wireless manner. It is 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 an excellent wireless extender product.

2. Features

- Compatible with HDMI1.3 standard, resolution is 1920*1080P@60Hz, downward compatible;
- Support HDCP1.2 standard-high bandwidth digital content protection technology;
- Supports wireless 802.11a/n, with a maximum transmission distance of 30m;
- Support 1 to 1, multiple to 1 application scenarios;
- Support 5G band transmission;
- No driver installation, no setup, plug and play;

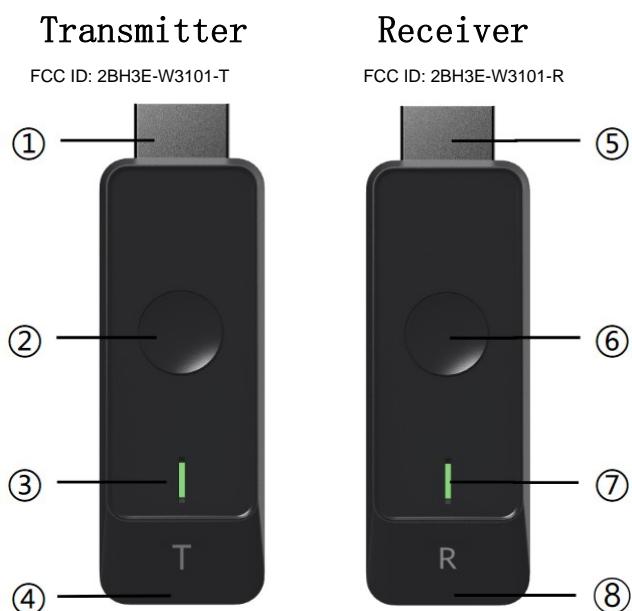
3. Package list

● W31A01 wireless extension transmitter	1pcs
● W31A01 wireless extension receiver	1pcs
● USB-A to USB-C cable	2pcs
● User Manual	1pcs
● Warranty card	1pcs

4. Specifications

Parameter		Description
Video	Standards	HDMI 1.3, HDCP 1.2
	Maximum pixel clock	165MHz
	Maximum data rate	4.95Gbps
	Maximum resolution	1920*1080@60Hz
	Connector	HDMI-A
	Impedance	100Ω
Wireless	Wireless network	5Ghz
	Antenna	1T1R
	Transmission Distance	≤ 30M
Other	Power supply	The power adapter:DC 5V
	Power dissipation	MAX 2.5W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	72*24*12mm
	The warranty	1 year free warranty

5. Interface specification



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: Bright: video signal normal. Flashing: video signal abnormal.
④ ⑧	Power input interface

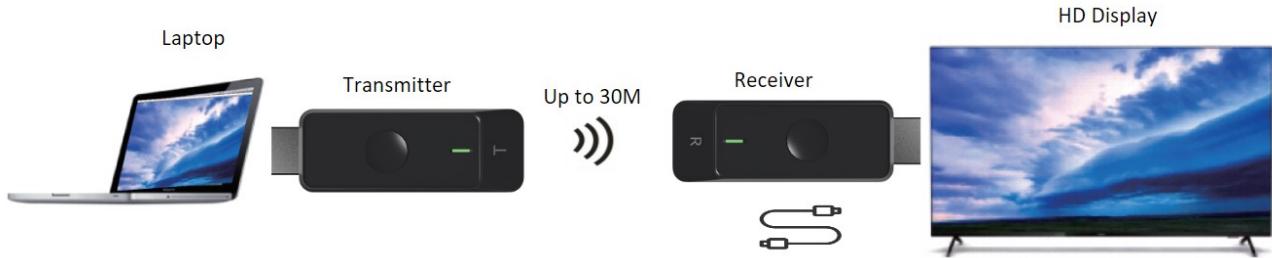
6. Operation steps

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. Using one USB-A to USB-C cable to connect the Type-C interface of the transmitter to the computer USB interface or power adapter ;
4. Connect the HDMI connector of the transmitter to the video signal source;
5. When the status indicator is lights up, the system run normally;

Note: Paired steps:

1. Long press the button of the receiver for about 5 seconds to enter the pairing mode of the transmitter;
2. When "Ready to pair" is displayed on the screen, press the button "Mirror / Pairing" of the transmitter for 5 seconds. The status indicator is flashing. When the status indicator is lights up, the steps of pairing is completed;
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.

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

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.

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.