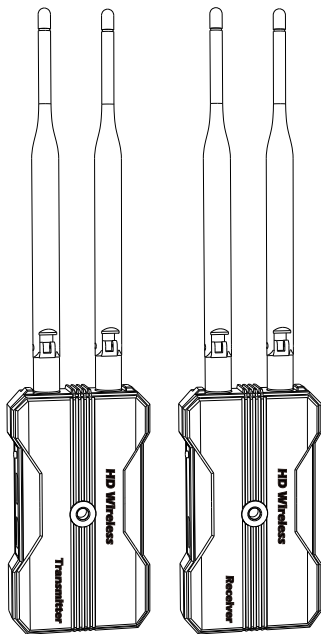


User Manual

500M HD Wireless Extender



The device has been paired before leaving the factory, and the user does not need to re-pair.

For optimal performance and safety, please read the manual carefully and keep it for future reference.

Important Safety Precautions

Note: This product does not have a charging function. When powered by batteries, please disconnect the Type-C plug.

1. Pay attention to all warnings and prompts on this device.
2. Do not expose the device to rain, moisture and liquids. Do not put anything in the device.
3. Do not repair the device or open the casing without the professional person.
4. Only 5V/1A (provided as factory accessories) or 5V/2A power adapters are applicable. If a third-party adapter is used, please make sure that the specification parameters are the same as the specified adapter.

Transmission Distance

1. The maximum distance for barrier-free access in open space is 500 meters.
2. Indoor barrier-free 100m.
3. The above distances are for reference only. Due to the significant impact of factors such as venue, environment, interference, and walls on wireless transmission performance, the actual distance that can be transmitted during use shall prevail.

I . Features

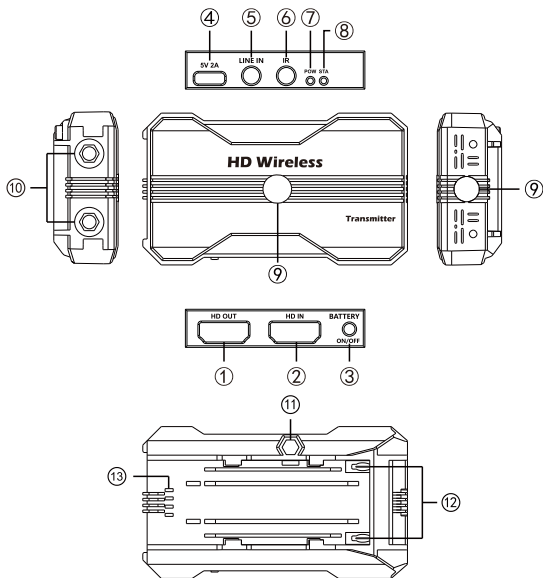
1. Adopt a new generation of wireless transmission chips, support H.265 video codec format, and transmit signals more smoothly.
2. Support multiple resolutions, support 1920*1080@60Hz(max).
3. Transmitter supports HDMI loop output, which is convenient for monitoring synchronous display.
4. Supports audio Line in and AUX transmission functions.
5. Supports infrared IR line extension function, and controls the transmitter end signal source access device through infrared IR line at the receiving display end.
6. Supports two fixing methods of 1/4 screw vertical direction and horizontal direction.
7. Supports one-to-many connection, supporting up to 1 transmitter to 8 receivers.

II. Specifications

Parameter		Description
Transmitter/ Receiver		
Wireless network	Wireless standard	802. 11a/n, 5.8GHz
	Antenna gain	4.85dBi
	Transmit power	-
Video Specifications	Compression format	H. 265
	HDMI version	HDMI 1.4
	Supported resolution	640*480, 720*480, 800*600, 1024*768, 1152*864, 1280*600, 1280*720,1280*768, 1280*600, 1280*960, 1280*1024, 1360*768, 1366*768, 1400*1050, 1440*900, 1600*900, 1680*1050, 1920*1080;
Wireless Transmission Distance		Outdoor open space 500M
IR Control Extension	Interface	3.5mm infrared interface
	Carrier frequency	20-60KHz
	Signal direction	One-way
Audio Transmission	Interface	3.5mm stereo headphone socket
	Signal	Transmitter input: LINE IN, Receiver output: AUX OUT
Interface	Receiver	1*TYPE-C; 1*HDMI OUT; 1*IR RECEIVER IN; 1*AUX OUT; 1*BATTERY IN;
	Transmitter	1*TYPE-C; 1*HDMI IN; 1*HDMI LOOP OUT; 1*IR TRANSMITTER OUT; 1*LINE IN; 1*BATTERY IN;
Connector And Cables	Recommended connector model	HDMI: HDMI-A/100Ω
	Recommended maximum output distance of HDMI cable	For 1920×1080p@60Hz: less than 1.5 meters
Other	TYPE-C power supply	DC5V/1A (TYPE-C)
	Lithium battery power supply	Support F970/F750/F550
	Power consumption of the machine	Receiver maximum 2.8W Transmitter maximum 5W
	Working temperature	-5℃~70℃
	Working humidity	5%~90%

III. Interface Description

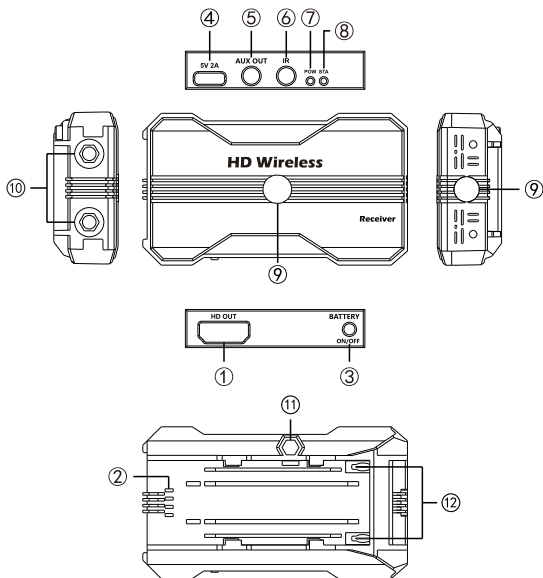
1. Transmitter



1. HDMI loop output
2. HDMI input
3. Battery power switch ON/OFF
4. Power input 5V/1A
5. Line in input
6. IR transmitter cable output
7. Power indicator light

8. Signal indicator light
9. 1/4 inch screw fixing hole
10. Antenna input interface
11. Battery removal button
12. Battery slot Bat+/- electrode
13. Battery level indicator light

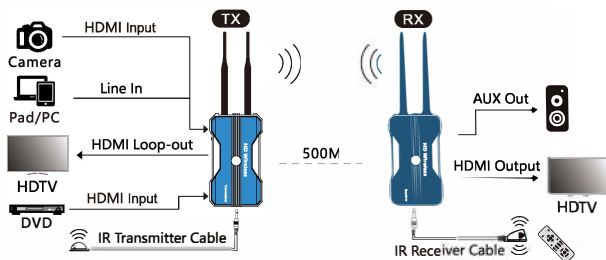
2. Receiver



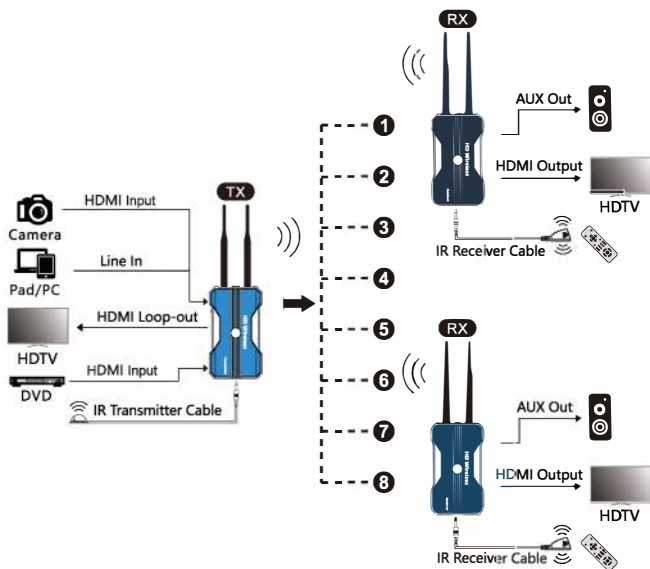
1. HDMI output
2. Battery level indicator light
3. Battery power switch ON/OFF
4. Power input 5V/1A
5. AUX audio output
6. IR receiver cable input

7. Power indicator light
8. Signal indicator light
9. 1/4 inch screw fixing hole
10. Antenna input interface
11. Battery removal button
12. Battery slot bat+/- electrode

IV. Equipment Connection Diagram



1 Transmitter to 1 Receiver



1 Transmitter to Multiple Receivers

V. Equipment Connection Instructions

1. Power converter cable Type-c interface, one end connect to the transmitter/receiver's type-c port, the other end to USB power adapter or the USB port from your device.
2. Connect one end of the HDMI cable to the HDMI input port on the transmitter, and the other end to the HDMI output port of devices such as smartphones, laptops, or tablet PCs.
3. Connect one end of the HDMI cable to the HDMI output port on the receiver, and the other end to the HDMI input port of display devices such as monitors or TVs.
4. Connect the IR transmitter cable plug to the IR output port on the transmitter. Position the IR transmitter head adjacent to the IR input window of signal playback devices such as DVD players.
5. Connect the IR receiver cable plug to the IR input port on the receiver. Position the infrared receiver head in a position convenient for receiving the remote control signal.
6. Take a 3.5 stereo audio cable, connect one end to the LINE IN interface of the transmitter, and the other end to the output interface of audio signal sources such as mobile phones, laptops, tablets, and PADs.
7. Take a 3.5 stereo audio cable, connect one end to the AUX OUT interface of the receiver, and the other end to the input interface of audio playback devices such as active speakers and amplifiers.
8. After powered on but not connected: the blue indicator light on both receiver and transmitter remain steady on. When connected: the blue indicator light flashes rapidly.

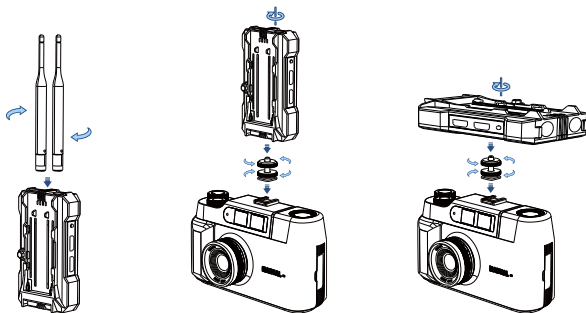
VI. Pairing Method

Note: If re-pairing is required, the plugs of the IR transmitting line of the transmitter and the IR receiving line of the receiver must be unplugged before re-pairing.

1. One-to-one pairing method:
 - (1) Power on the transmitter and receiver respectively.
 - (2) Connect the prepared HDMI cable to transmitter's HDMI IN and receiver's HDMI OUT. The pairing lights of transmitter and receiver flash rapidly to enter the pairing state.
 - (3) When the receiver's pairing light changes from flashing rapidly to steady on, indicates the pairing is successful.
 - (4) After the pairing is completed, transmitter and receiver need to be powered off and re-powered on.

2. One-to-many pairing method: (up to 1 transmitter to 8 receiver)
- (1) Pair the first pair of transmitter and receiver according to the one-to-one pairing method.
 - (2) Transmitter remains unchanged and does not need to be powered off and re-powered on; unplug the first receiver's HDMI cable, connect the second receiver to be connected and power it on; the receiver pairing light flashed rapidly; when the receiver pairing light changes from flashing rapidly to steady on, the pairing is successful.
 - (3) Use this method to pair other receivers that need to be connected until the last one.
 - (4) After the pairing is completed, transmitter and receiver need to be powered off and re-powered on.

VII. Equipment Fixed Installation Diagram



Antenna installation

Vertical installation

Horizontal installation

Installation Diagram:

1. Antenna installation

Align the antenna SMA head with the device antenna input port, and tighten it clockwise.

2. Vertical installation

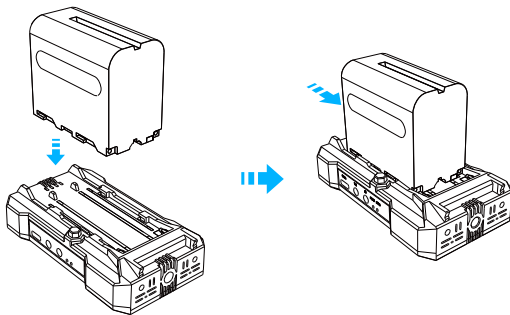
Align the hot shoe adapter screw with the 1/4 screw hole at the bottom of the transmitter, screw it clockwise, and tighten the fixing knob counterclockwise; insert the positioning piece of the hot shoe adapter into the hot shoe slot of the camera, insert it into the right position, and tighten the fixing screw clockwise.

3. Horizontal installation

Align the hot shoe adapter screw with the 1/4 screw hole on the transmitter panel, screw it clockwise, and tighten the fixing knob counterclockwise; insert the positioning piece of the hot shoe adapter into the hot shoe slot of the camera, insert it into the right position, and tighten the fixing screw clockwise.

VIII. Battery Installation, Removal And Use

1. Battery installation and removal



Instructions:

- (1) Place the +/- electrode hole of the battery into the bottom of the battery slot and make it flat. Align the +/- electrode hole of the battery with the bat+/- electrode of the battery slot, and then push it in the direction of the bat+/- electrode of the slot. When you hear a "click" sound, it is installed in place.
- (2) Press and hold the "hexagonal battery removal button" and push it toward the antenna to remove the battery.

2. Battery use

(1) Battery power switch button

This power button is not the power switch of the whole machine; this switch button is only used for battery switch ON/OFF.

(2) Battery power indicator light

- ① Press the battery power switch ON/OFF. Power indicator lights 1 to 4 are always on.
- ② When all 4 power indicator lights are on, the battery is fully charged.

- ③ As the battery power decreases, the indicator lights go out one by one from right to left, and finally only one indicator light is on.
- ④ When only one indicator light is on and flashing, it means that the power is low and the battery needs to be charged in time.



Fully charged



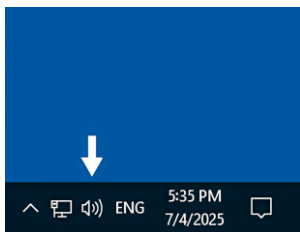
Battery decreasing



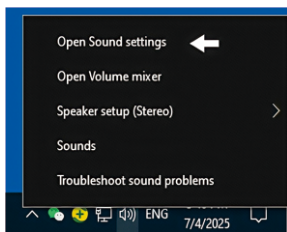
Low battery

IX. Common Problem Solving

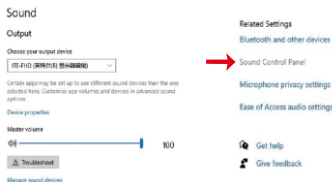
1. No Display Output
 - Re-pair the Transmitter and Receiver.
2. The power LED is off.
 - (1) Make sure the power adapter is properly connected.
 - (2) Make sure the power is not interrupted.
3. The display shows "Searching TX" for a long time.
 - (1) Check if the transmitter is connected to the power supply.
 - (2) Check if the transmitter is properly connected.
4. No video or poor video quality
 - (1) Check if the interface or wires are damaged and make sure they are properly connected to the corresponding interface.
 - (2) Check if the receiver is properly connected to the display device's HDMI channel.
 - (3) Make sure all devices are working at the supported distance. Bring them closer and try again.
5. The IR control does not work
 - (1) Check if the infrared transmitter cable and infrared receiver cable are properly connected, swap them and try again.
 - (2) Check whether the infrared transmitter cable and infrared receiver cable are firmly inserted into the corresponding port.
6. There is image but no sound
 - (1) Click the "small speaker" in the lower right corner of the computer (Figure 1).
 - (2) Move the mouse to the small speaker icon and right-click the "Open Sound Settings" option (Figure 2).
 - (3) Move the mouse to the "Sound Control Panel" option (Figure 3) and open the Sound Control Panel.
 - (4) Change the ITE-FHD option to the default setting (Figure 4).
 - (5) If there is still no sound, restart the computer.



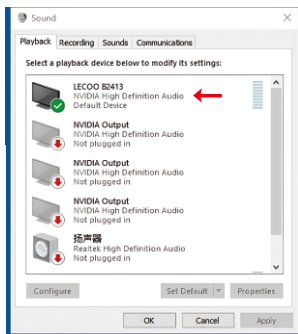
(Figure 1)



(Figure 2)



(Figure 3)



(Figure 4)

X. Accessories list

Transmitter	1 unit
Receiver	1 unit
Glue stick antenna	4 units
Power adapter 5V/1A	2 units
Power adapter cable	2 units
IR transmitter cable	1 unit
IR receiver cable	1 unit
1/4 screw hot shoe adapter	1 unit
User manual	1 unit

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