# WE200 instruction manual

## Product introduction

HDMI extender using standard Ethernet TCP/IP protocol, through the wifi 5.8G wireless frequency can achieve the HDMI HD audio and video signals through wireless signal transmission to the farthest 200 meters (open space) outside the display, and can be extended to 4 (up to) monitors to receive the same high-definition audio and video signals at the same time. Very easy to connect multiple HDMI devices in the premises, the picture is clear up to 1080P @ 60Hz, and supports external 3.5mm audio port input and audio separation output, another with infrared remote return function to facilitate your use of remote control at the display side (receiver side) to control the HDMI signal source device 200 meters away. The device has excellent image processing and transmission capabilities, making the signal transmission more smooth and stable is an economical and efficient way to extend the HDMI signal, easy to use, plug and play.
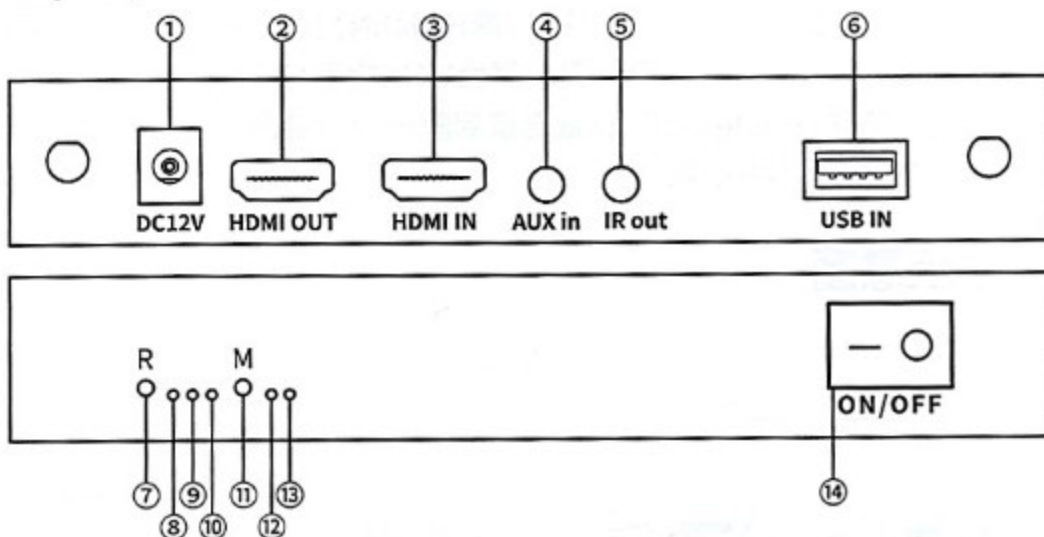
## Product features

- Transmit HDMI video and audio signals through wireless WIFI 5G, up to 200 meters long.
- Use special format to compress and decompress video, effectively improve transmission efficiency and ensure the fluency of video playback.
- The transmitter provides a local loop-out of HDMI signal;
- Support the simultaneous expansion of 4 receivers to the monitor.
- Support the maximum output resolution: 1920x1080P@60Hz;
- Supports external infrared (wideband: 20KHz~60KHz) and USB KVM, which can extend the signal source device at the signal receiving end
- Compatible with HDMI 1.4, HDCP 1.4;
- Built-in automatic equalization function, the picture is smooth, clear and stable.
- Built-in ESD static protection circuit to protect the system safety in all directions.
- Easy to install, plug and play, no need to set up;
- Wireless transmission distance depends on the environment. Solid objects such as reinforced concrete and bricks may affect the actual transmission effect and shorten the transmission distance, and the human body may also block the signal transmission.
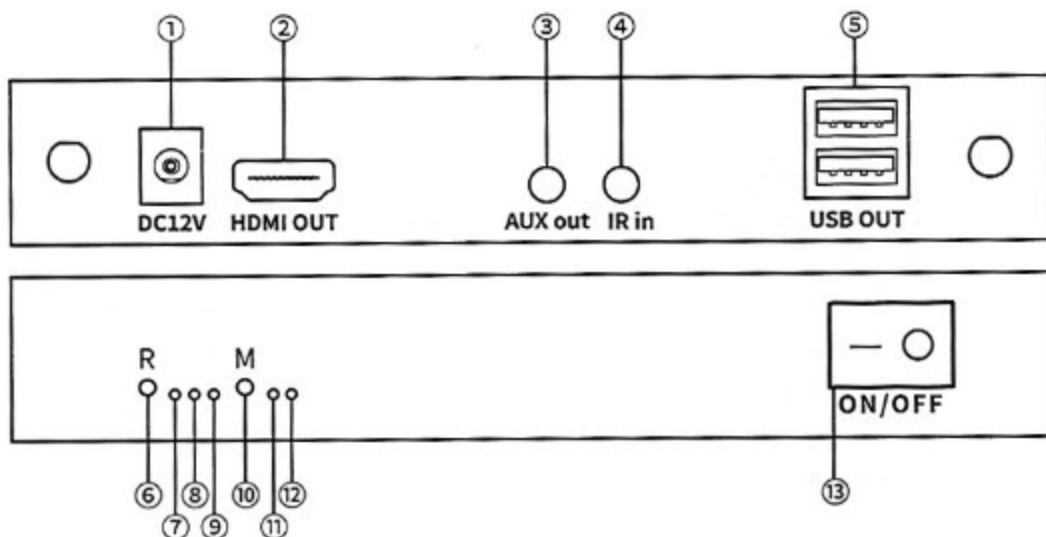
(Subject to the actual product)

# Panel introduction

## Input /Sender



| Mark | Interface name | Function description |
|:---:|:---:|:---|
| ① | DC 12V | 12V/1A power supply is required |
| ② | HDMI OUT | Connect the display to loop out. |
| ③ | HDMI IN | Connect to your device (laptop/computer) |
| ④ | AUX in | Input audio to replace audio from HDMI source |
| ⑤ | IR out | Output IR signal for remote control |
| ⑥ | USB IN | Connect the computer to receive reverse control |
| ⑦ | Reset hole | Press RST5 for 5 seconds and then release it. After all the indicators go out, it will reset successfully |
| ⑧ | PWR lamp | Power-on |
| ⑨ | LINK lamp | Turns on when Ethernet is connected |
| ⑩ | STA lamp | Flash when there is data transmission. |
| ⑪ | MODE Key | Click to switch the display mode (mode 1 lights up) and press and hold to optimize the resolution |
| ⑫ | Mode 1 lamp (Dispaly pattern) | Off indicates the graphic mode with short delay, and on indicates the video mode with low packet loss rate |
| ⑬ | Mode 2 lamp (channel position) | When the light is on, the channel is adjusted to the high channel; when the light is off, the channel is adjusted to the low channel. |
| ⑭ | Power switch | Power switch |

# Output/Receiver



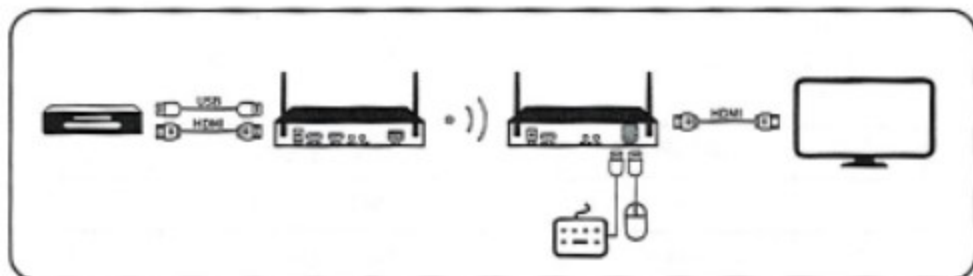| Mark | Interface name | Function description |
|------|----------------|----------------------|
| ① | DC 12V | 12V/1A power supply is required |
| ② | HDMI OUT | Connect the monitor to display. |
| ③ | AUX out | Output audio to connected speakers. Note that the HDMI OUT port receives audio signals at the same time |
| ④ | IR in | Input infrared signal for remote control. |
| ⑤ | USB OUT | Support external keyboard and mouse connection for remote control. |
| ⑥ | Reset hole | Press RST5 for 5 seconds and then release it. After all the indicators go out, it will reset successfully |
| ⑦ | PWR lamp | Light up when energized |
| ⑧ | LINK lamp | Flash when there is data transmission. |
| ⑨ | STA lamp | Lights up when HDMI cable is connected |
| ⑩ | MODE Key | Click to switch the display mode(mode 1 lights up) and press and hold to optimize the resolutiom |
| ⑪ | Mode 1 lamp (Dispaly pattern) | Off indicates the graphic mode with short delay, and on indicates the video mode with low packet loss rate |
| ⑫ | Mode 2 lamp (channel position) | When the light is on, the channel is adjusted to the high channel; when the light is off, the channel is adjusted to the low channel. |
| ⑬ | Power switch | Power switch |

# Pairing method

1. Reset: Press the RST button on the TX and RX terminals for 5 seconds, and then release it. When all the indicator lights go out, it will be OK.
2. Use HDMI cable to connect the RX HDMIOUT and TX HDMIIN pairing, then power on, and wait for the STA signal indicator at both ends to blink until it is always on, and then the LINK indicator blinks, the pairing is complete.
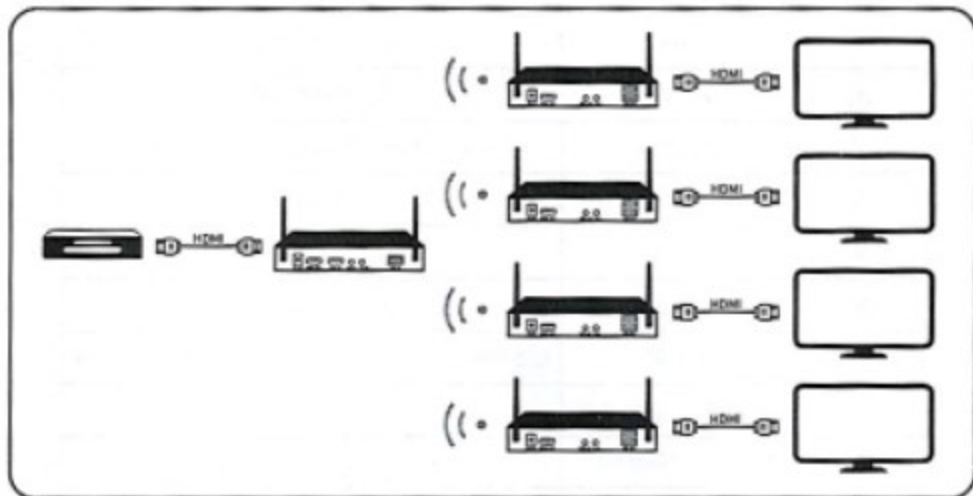
One-to-many pairing method: Connect 1-4 RX terminals to the same TX terminals in turn and repeat step 2 above until multiple RX terminals are paired.

# Connection diagram

## One-to-one



## One-to-many

# Technical parameter

Transmission distance----------------------------------Wireless 200M (open space)

HDMI input/output-------------------1080P@60/50/30/1080i@60/720P/480P

Audio format----------------------------------------------------------------------LPCM

HDMI version------------------------------------------------------HDMI1.4 HDCP1.4

HDMI video bandwidth and rate--------Bandwidth: 340MHz Rate: 10.2Gbps

HDMI video coding compression format--------------------------------------H.264

Input video signal------------------------------------------------0.5~1.5Volts p-p

Output DDC signal----------------------------------------------5Volts p-p (TTL)

Input/output line length-------------≤3-5M AWG26 HDMI1.4 standard cable

Maximum working current--------------Sender: 350mA, Receiver: 300mA

Power adapter------------Input: (50-60HZ)100V-240V; Direct output: 12V1A

Size and weight -----------------------------------------160x65x26mm/0.28kg

Shell----------------------------------------------------------------------------Metal

# List of accessories

| Serial number | Accessories name | Quantity |
|---|---|---|
| 1 | Sender | 1 |
| 2 | Receiver | 1 |
| 3 | Power adapter | 2 |
| 4 | Infrared emission line | 1 |
| 5 | Infrared receiving line | 1 |
| 6 | User manual | 1 |
| 7 | Warranty card | 1 |