



Wireless Extender for 4K60 HDMI™ and USB™ Cameras / Microphones / Speakers

Stream Seamlessly | Collaborate Instantly

USER MANUAL

JVAW80-TX/JVAW80-RX

Rev. 1.0

December 15, 2025

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INTRODUCTION

JVAW80 - Wireless Extender for 4K60 HDMI™ and USB™ Cameras /

Microphones / Speakers

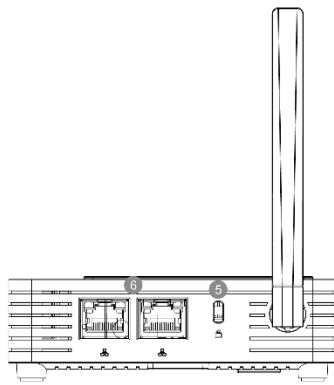
JVAW80 is an all-in-one wireless AV extender designed to eliminate cables and simplify modern workspaces. It wirelessly transmits 4K60 HDMI™ video and USB™ peripherals—including cameras, microphones, and speakers—over a stable 5 GHz connection up to 25 meters. Ideal for video conferencing and collaborative environments, it ensures smooth, lag-free performance for Zoom™, Microsoft Teams™, and other platforms. With plug-and-play pairing, HDMI™ loop-out, and dual Gigabit Ethernet ports, the JVAW80 brings effortless, clutter-free connectivity to any setup.

Core Product Value Proposition

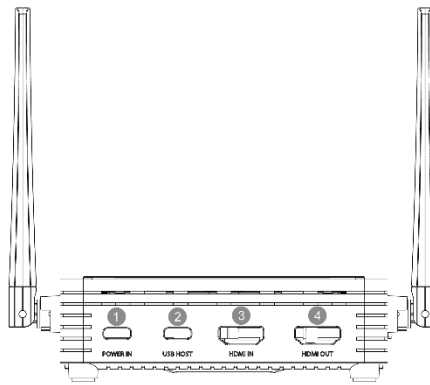
- **True Wireless Freedom:** Simultaneously transmit your HDMI™ video source (such as laptops, game consoles, or players) wirelessly to a large screen while enabling all your USB™ peripherals (cameras, microphones, speakers) for long-range, cable-free connectivity.
- **Extended Range, Ultra-Low Latency:** Utilizing stable 5G wireless transmission technology, it delivers a crisp, smooth, high-definition experience, supporting transmission distances of up to 82 feet (25 meters).
- **Focus on Collaboration:** Ensure your video conferences (Zoom™, Teams™) run flawlessly by supporting various USB™ devices, eliminating interruptions caused by cables or signal issues.
- **One-Touch Setup:** The Transmitter (TX) and Receiver (RX) units are designed for instant, plug-and-play use, automatically pairing and connecting so you can get straight to work or play.

1 Hardware Features Overview

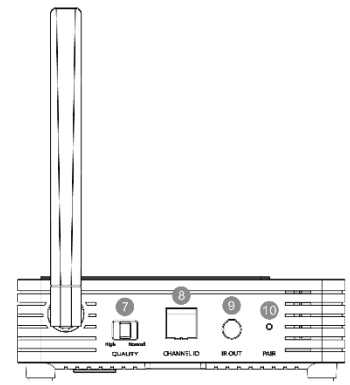
1.1 TRANSMITTER (TX): For Computer



Left Side View

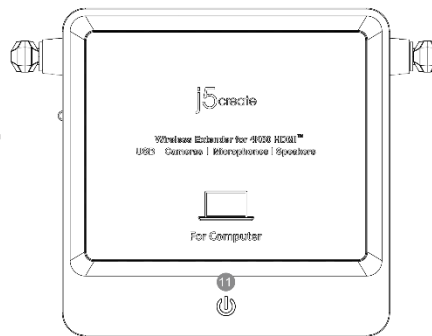


Rear View



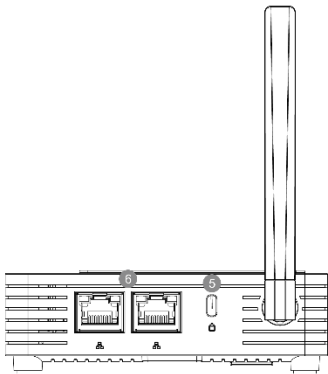
Right Side View

- ① DC Power IN
- ② Host (Port to PC) for UVC/Keyboard/Mouse
- ③ HDMI IN (4K60)
- ④ HDMI Loop Out (4K60)
- ⑤ K-Lock
- ⑥ RJ-45 Gigabit Port for wired connection
- ⑦ Video Quality Switch
- ⑧ Channel ID Switch for wired connection
- ⑨ 3.5mm for IR transfer
- ⑩ TX/RX Pairing for Wireless Connection
- ⑪ LED Indicator for Status

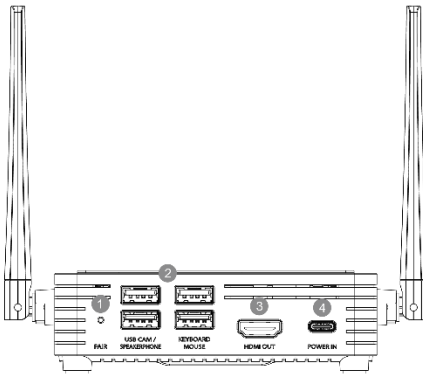


Top View

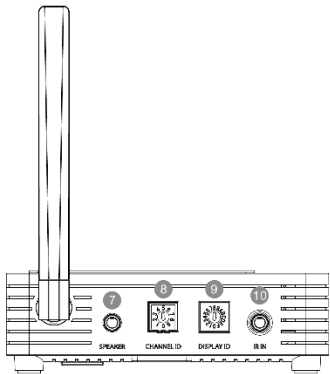
1.2 RECEIVER (RX): For Display and USB Cam



Left Side View

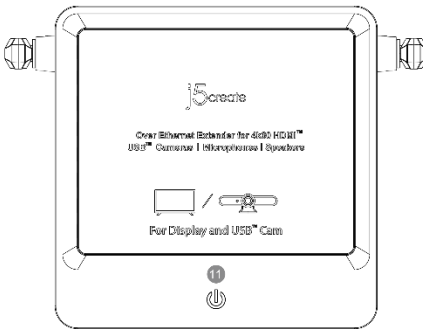


Rear View



Right Side View

- 1 TX/RX Pairing for Wireless Connection
- 2 For USB Camera/ Speaker/Microphone/ Keyboard/Mice
- 3 HDMI OUT (4K60)
- 4 DC Power IN
- 5 K-Lock
- 6 RJ-45 Gigabit Port for wired connection
- 7 3.5mm Stereo for HDMI Audio Output
- 8 Channel ID Switch for wired connection
- 9 Display ID Switch for Mode Selection
- 10 3.5mm for IR transfer
- 11 LED Indicator for Status



Top View

2 Hardware Installation—Transmitter

2.1 JVAW80-TX TRANSMITTER (TX): For Computer

2.1.1 Connect Power

Plug the included DC power adapter into the DC Power IN port on the TX.

2.1.2 Connect the Video Source (HDMI IN)

Use an HDMI™ cable to connect your video source to the TX HDMI IN:

- Desktop PC / Laptop
- Game Console
- Media Player
- Any HDMI™ device

2.1.3 (Optional) HDMI™ Loop-Out for Local Display

If local monitoring is required:

- Connect HDMI™ Loop OUT to a TV/monitor (Max. up to 4K@60).

2.1.4 (Optional) Wired Mode – RJ45 Connection

If using Wired Mode:

- Connect an Ethernet cable between TX and RX, or through a network switch.

2.1.5 Wireless Mode – 5G Wireless Transmission

If using Wireless Mode:

- TX will automatically link with RX via the built-in 5GHz wireless.

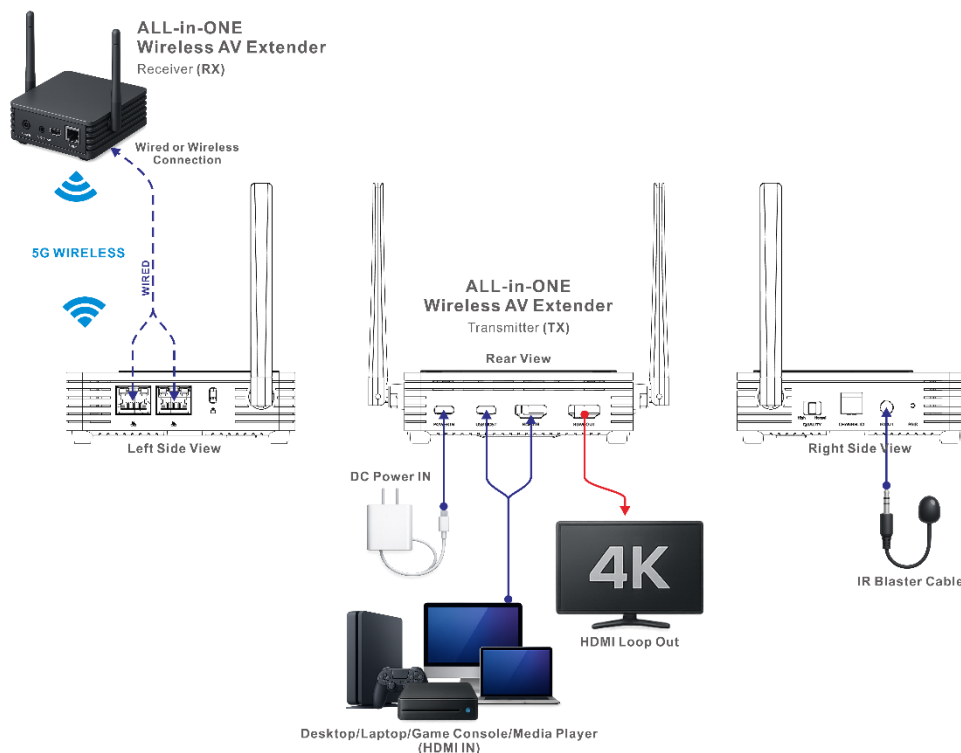
2.1.6 USB™ HOST Connection (USB-over-Wireless)

Connect the TX USB™ HOST port to your PC or host device.

Purpose:

- USB™ devices connected on the RX side (webcam, speakerphone, keyboard, mouse) will operate on the host at the TX side.

TX installation completed.



2.2 JVAW80-RX RECEIVER (RX): For Display and USB Cam

2.2.1 Connect Power

Plug the included DC power adapter into the DC Power IN port on the RX.

2.2.2 Connect to Display (HDMI OUT)

Use an HDMI™ cable to connect the RX HDMI OUT to a TV or monitor (Max. up to 4K@60).

2.2.3 (Optional) Connect Audio Device

If using an external speaker:

- Connect to Audio OUT (3.5mm)

2.2.4 Connect IR Blaster (IR Return)

For remote control passthrough:

- Plug the IR blaster into IR OUT
- Aim the emitter toward the source device's IR receiver

2.2.5 (Optional) Wired Mode – RJ45 Connection

If using Wired Mode:

- Connect an Ethernet cable between RX and TX or a network switch.

2.2.6 Wireless Mode – 5G Auto Pairing

RX will automatically pair with TX using the built-in 5GHz wireless.

2.2.7 Connect USB™ Devices (USB-A Ports)

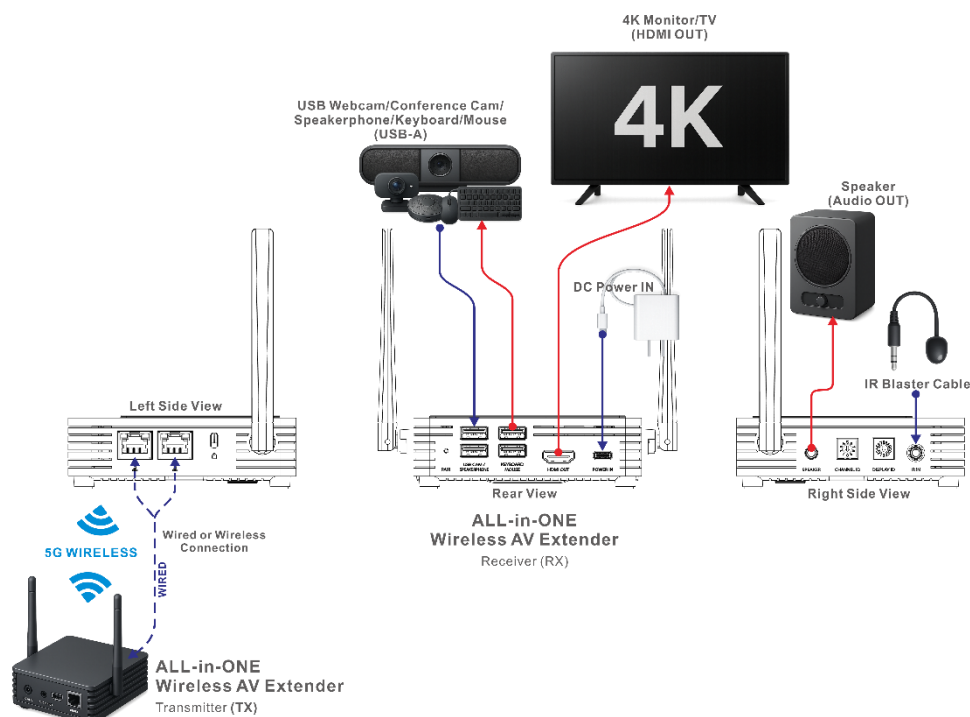
Plug USB™ devices into RX:

- USB™ Webcam / Conference Camera
- Speakerphone
- Keyboard / Mouse

All USB™ devices will function on the TX-side computer through the wired or wireless link.

***Kindly suggest that when you hook and fasten the transmitter, the height of the transmitter should not exceed 2 meters.**

RX installation completed.



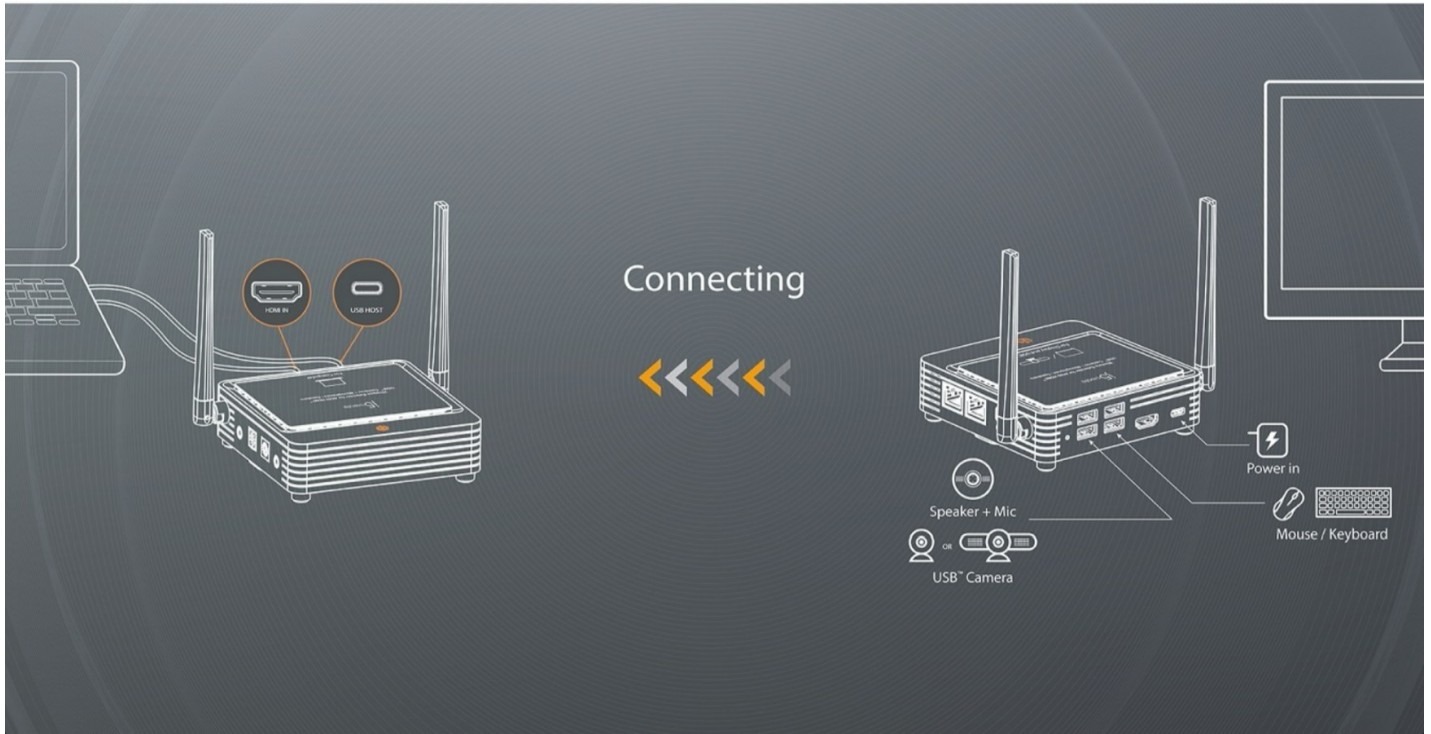
3 Receiver OSD (on-screen display) status

Open a camera app (such as Zoom™, Microsoft Teams™, or Slack™) and check to see if you can see the OSD within the app.

*Note: If you have multiple cameras you may need to switch cameras within the camera application you are using. If you are unsure of how to switch cameras within your camera application please reach out to your application's support team for assistance.

3.1 Startup screen

Wireless Extender for 4K60 HDMI™ and USB™ Cameras / Microphones / Speakers



3.2 No USB™ camera connected

If the TX and RX devices are connected, but the camera connected to the TX device is not enabled, the TX and RX LED will turn orange. Make sure that the USB™ camera is enabled or is currently selected within your camera application.

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3.3 Retry connecting:

If the LED light on the RX device is red, and the LED light on the TX device is turned off, make sure that the TX device's USB-C® power is connected.

If the RX and TX devices are both showing a red light, make sure that the RX and TX devices are within range of each other

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REGULATORY COMPLIANCE

■ Telephone Support

Please call us @ +1-888-689-4088 and one of our support technicians will be very happy to assist you. We stand behind our products and it is our goal to provide you with world class support.

- Regulatory Compliance : FCC
- Reglas de Conformidad : FCC
- Regulatorische Erfüllung: FCC
- Conformité réglementaire : FCC

■ Federal Communication Commission Interference 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. You are cautioned that any changes or modifications to this product not explicitly approved by the manufacturer in writing could void the user's authority to operate the equipment and any assurances of Safety or performance, and could result in violation of Part 15 of the FCC Rules.

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.

FCC ID: 2AD37JVAW80TX

FCC ID: 2AD37JVAW80RX

■ FCC Radiation Exposure Statement

- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

FCC

This equipment has been tested and found to comply with FCC Part 15, Subpart B, ANSI C63.4-2014, January 2016 (Updated April 2019).

Operation is subject to the following two conditions:

- This device may not cause harmful interference
- This device must accept any interference, including interference that may cause undesired operation of the device.

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