EXVIST ITS2ES11

EXVIST H.265 1080P@60FPS Wireless HDMI Extender & Switcher User Manual

Model: ITS2ES11

1. Introduction

The EXVIST H.265 1080P@60FPS Wireless HDMI Extender & Switcher (Model ITS2ES11) is designed for high-performance video transmission and switching. It offers both wireless and wired extension capabilities, supporting resolutions up to 1080P at 60 frames per second. This device is particularly suited for environments such as bars, KTVs, and venues utilizing disc players or jukeboxes, providing flexible and stable video distribution.

Key Features:

- **Extender + Switcher Functionality:** Exclusive design for bars, KTV, disc players, and jukeboxes. The receiver (RX) supports 2 HDMI inputs and 1 HDMI output, with a remote control for easy output switching.
- **High-Quality Video:** Supports H.265 video encoding for clear 1080P@60fps resolution.
- **Versatile Transmission:** Wireless transmission up to 492ft (150m) in open air. Wired transmission up to 656ft (200m) via connection to a switch or router.
- **RTSP Protocol Support:** Pull video stream directly from the transmitter (TX) via RTSP protocol for use with VLC player.
- **Automatic Balance System:** Ensures smooth, clear, and stable picture quality.
- **Plug and Play:** No software installation or complex settings required.
- **IR Extension:** Supports external remote infrared extension for controlling remote equipment.
- **Automatic Pairing:** Devices are automatically connected upon power-on after initial pairing via Ethernet cable.

Package Contents:

- 1x HDMI Transmitter (TX)
- 1x HDMI Receiver (RX)
- 2x Power Adapters
- 2x HDMI Cables
- 1x Remote Controller (for RX to switch output signal)
- 1x Ethernet Cable (for initial pairing only)

- 1x IR Transmitting Cable

2. Setup

Follow these steps to set up your EXVIST Wireless HDMI Extender & Switcher.

2.1 Component Identification

Familiarize yourself with the ports on both the Transmitter (TX) and Receiver (RX) units.

Image: Front and rear views of the Transmitter (TX) and Receiver (RX) units, detailing their respective ports including HDMI In/Out, IR In/Out, PWR, RUN, RST, DC12V, and NETWORK (RJ45).

2.2 Connecting the Transmitter (TX)

1. Connect your HDMI source device (e.g., laptop, DVD player, camcorder) to the**HDMI IN** port on the TX unit using an HDMI cable.

2. If using IR control, connect the IR Transmitting Cable to the **IR OUT** port on the TX unit and position the IR emitter near the IR sensor of your source device.
3. Connect one of the provided power adapters to the **DC12V** port on the TX unit and plug it into a power outlet. The PWR indicator will light up.

2.3 Connecting the Receiver (RX)

1. Connect your display device (e.g., TV, monitor, projector) to the **HDMI OUT** port on the RX unit using an HDMI cable.
2. Connect up to two additional HDMI source devices to the **HDMI IN 1** and **HDMI IN 2** ports on the RX unit.
3. If using IR control, connect an IR receiver (not included) to the **IR IN** port on the RX unit.
4. Connect the second power adapter to the **DC12V** port on the RX unit and plug it into a power outlet. The PWR indicator will light up.

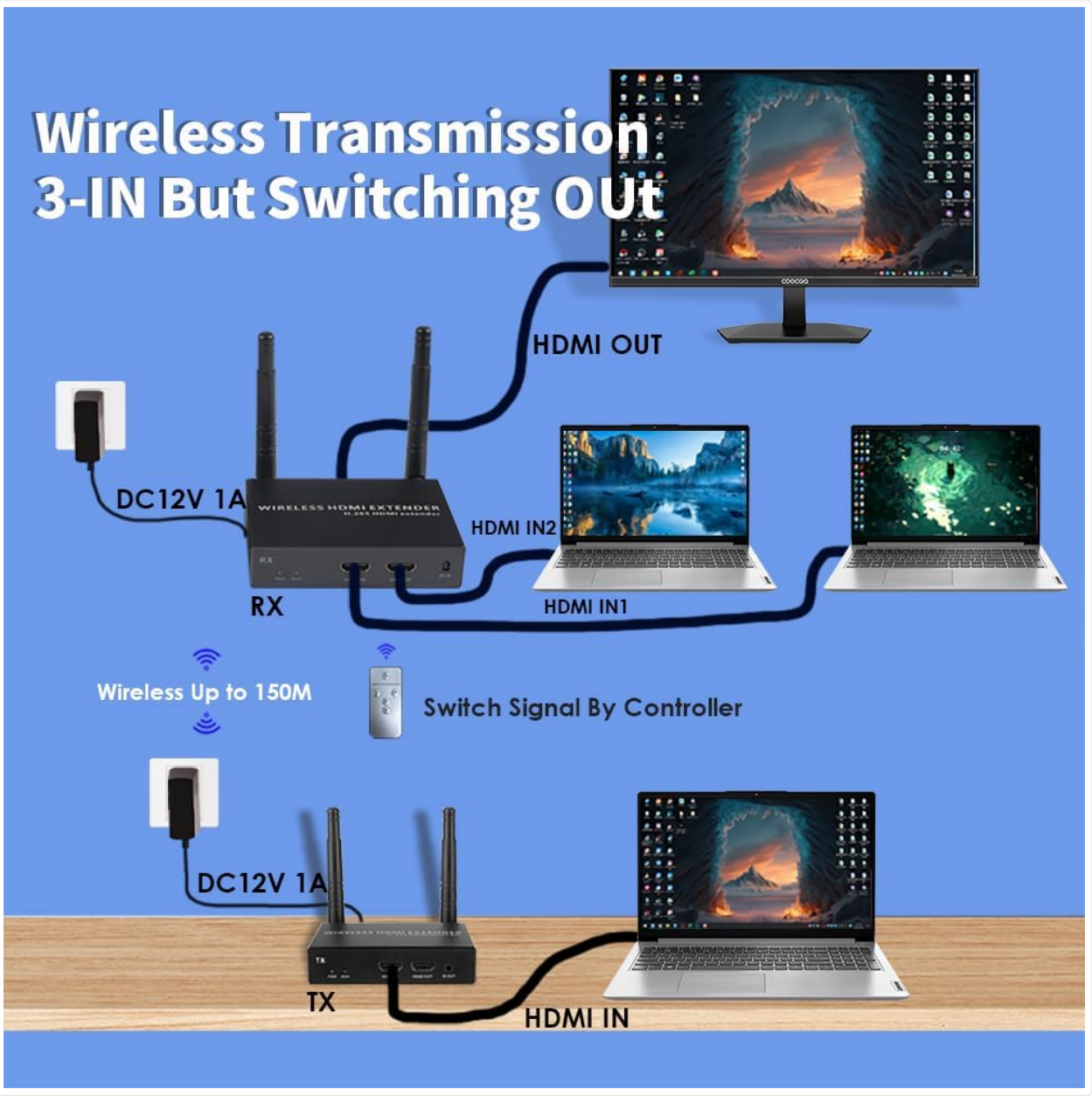

Image: Connection diagram illustrating how to connect source devices to the TX and RX units, and the RX unit to a display. It also shows the wireless link between TX and RX and the use of the remote control for input switching on the RX.

2.4 Initial Pairing (if necessary)

The TX and RX units are typically pre-paired. If they do not connect automatically, use the provided Ethernet cable to connect the **NETWORK** (RJ45) ports on both the TX and RX units. The devices will pair automatically.

Once paired, the Ethernet cable can be removed, and the devices will connect wirelessly upon subsequent power-ons.

Image: An overview of typical application scenarios, showing various HDMI source devices connecting to the Transmitter, which then wirelessly sends the signal to the Receiver, connected to various display devices.

3. Operating Instructions

3.1 Power On

After all connections are made and power adapters are plugged in, both the TX and RX units will power on automatically. The PWR indicator will illuminate, and the RUN indicator will blink when a signal is being transmitted.

3.2 Switching Inputs on Receiver (RX)

The RX unit acts as a switcher for its two HDMI inputs (HDMI IN 1, HDMI IN 2) and the wireless signal received from the TX unit. Use the provided remote controller to switch between these three input sources to the HDMI OUT port connected to your display.

3.3 Wireless and Wired Transmission

The system supports both wireless and wired transmission modes:

- **Wireless Transmission:** In open, barrier-free environments, the maximum transmission distance is up to 492ft (150m).
- **Wired Transmission:** For complex building structures or extended ranges, connect the TX and RX units to a local router or switch via Ethernet cables. This allows for wired transmission up to 656ft (200m) with lower delay and clearer picture quality.

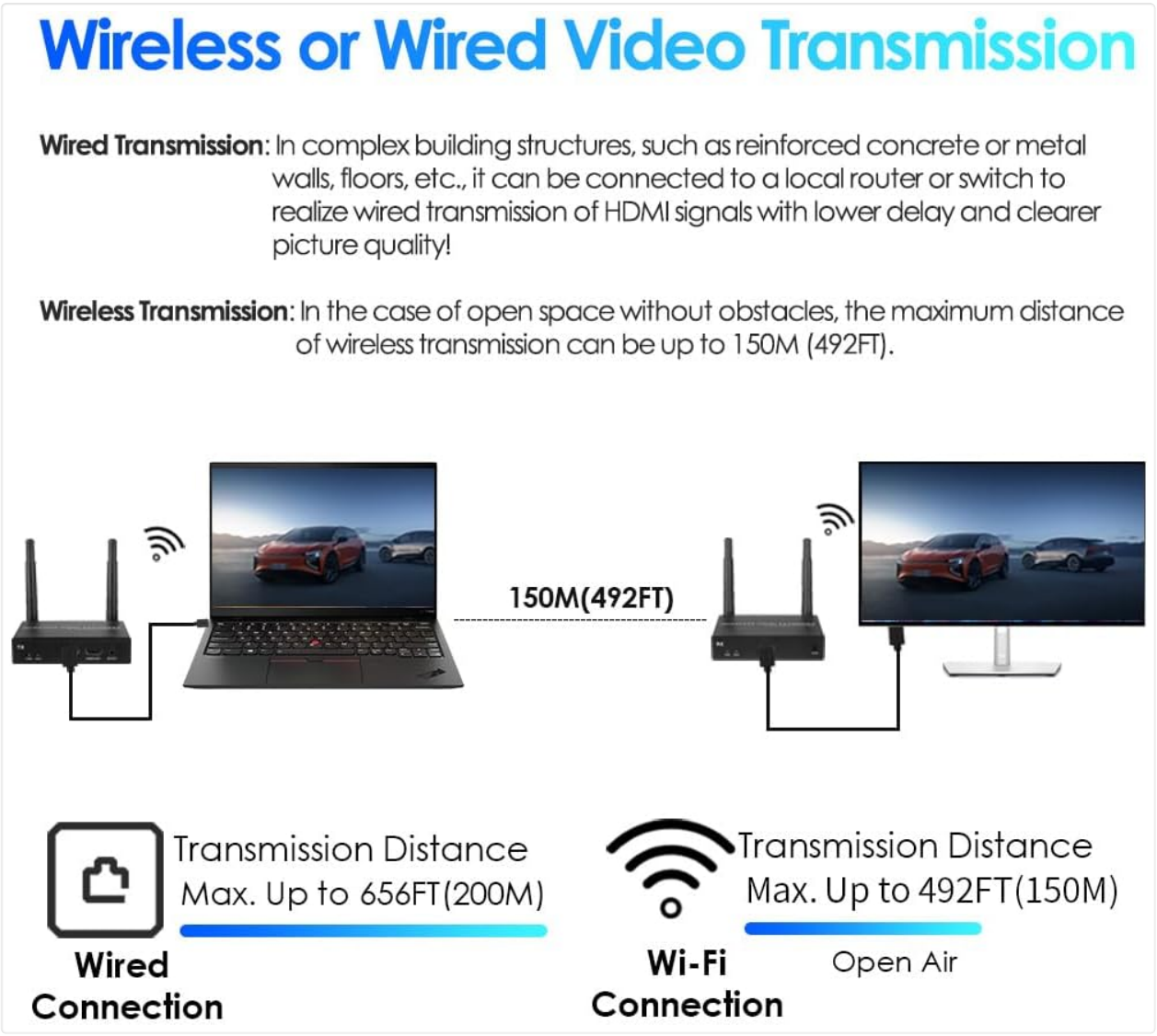

Image: Comparison of wireless and wired transmission capabilities, showing the maximum distances achievable for each method.

3.4 RTSP Streaming

If only one video input is connected via HDMI to the TX unit, you can pull the video stream directly from the transmitter using RTSP protocol. The default IP for the TX unit is 192.168.1.166, and for the RX unit is 192.168.1.167. These IPs are configurable. Use a media player like VLC to access the stream.

3.5 IR Control

The IR extension feature allows you to control your source device from the display location. Ensure the IR Transmitting Cable is correctly positioned at the source device's IR sensor and an IR receiver (not included) is connected to the RX unit.

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4. Maintenance

To ensure the longevity and optimal performance of your EXVIST Wireless HDMI Extender & Switcher, follow

these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure proper ventilation around the units to prevent overheating. Do not block any ventilation openings.
- **Environment:** Avoid exposing the devices to extreme temperatures, humidity, or direct sunlight. Keep them away from water and other liquids.
- **Power:** Always use the provided power adapters. Disconnect power during lightning storms or when unused for long periods.

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5. Troubleshooting

If you encounter issues with your device, refer to the following troubleshooting tips:

- **No Signal on Display:**
  - Ensure both TX and RX units are powered on and their PWR indicators are lit.
  - Check all HDMI cable connections between source, TX, RX, and display.
  - Verify that the correct input source is selected on your display and on the RX unit (using the remote).
  - If using wireless, ensure TX and RX are within range and there are no significant obstructions. Try moving them closer.
  - Perform initial pairing again using the Ethernet cable if the units are not connecting wirelessly.
- **Poor Image Quality (Flickering, Distortion):**
  - Check HDMI cable quality and ensure they are securely connected.
  - Reduce the distance between TX and RX units or remove obstructions.
  - Try using a wired connection via a router/switch for better stability and quality over long distances.
  - Ensure the resolution of the source device is supported (up to 1080P@60fps).
- **IR Control Not Working:**
  - Ensure the IR Transmitting Cable is securely connected to the TX's IR OUT port and correctly positioned over the source device's IR sensor.
  - Verify that an IR receiver (not included) is connected to the RX's IR IN port.
  - Check the batteries in your remote control.
- **Units Not Pairing:**
  - Connect the TX and RX units directly with the provided Ethernet cable via their NETWORK (RJ45) ports. They should pair automatically.
  - Ensure both units are powered on during the pairing process.

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6. Specifications

Parameter	Value
Video Encoding	H.265

Video Input Resolution	1920*1080P@60fps
Signal Input (TX)	1ch HDMI input
Signal Input (RX)	2ch HDMI input, 1ch IR input
Signal Output (RX)	1ch HDMI output, 1ch IR output
Default IP (TX)	192.168.1.166 (Configurable)
Default IP (RX)	192.168.1.167 (Configurable)
RTSP Support	Yes
Wireless Transmission Distance	0-492ft (150 meters) under open and barrier-free environment
Wired Transmission Distance	0-656ft (200 meters) via connection to switch or router
IR Control	3.5mm connector, IR control signal (Bluetooth not supported)
Wireless Frequency	2.4GHz & 5.8Ghz, external antennas
Power Consumption	≤4.8W for both TX & RX
Product Dimensions	4.25 x 3.07 x 0.98 inches
Item Weight	6.7 ounces
Item Model Number	ITS2ES11
UPC	748521688801

7. Warranty and Support

EXVIST products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official EXVIST website. If you require technical assistance or have questions not covered in this manual, please contact EXVIST customer support through their official channels.

Manufacturer: EXVIST

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