OMX-HDMI-2-IPV2
4K Multipoint to Multipoint Extender
Over IP Single CAT5/5e/6

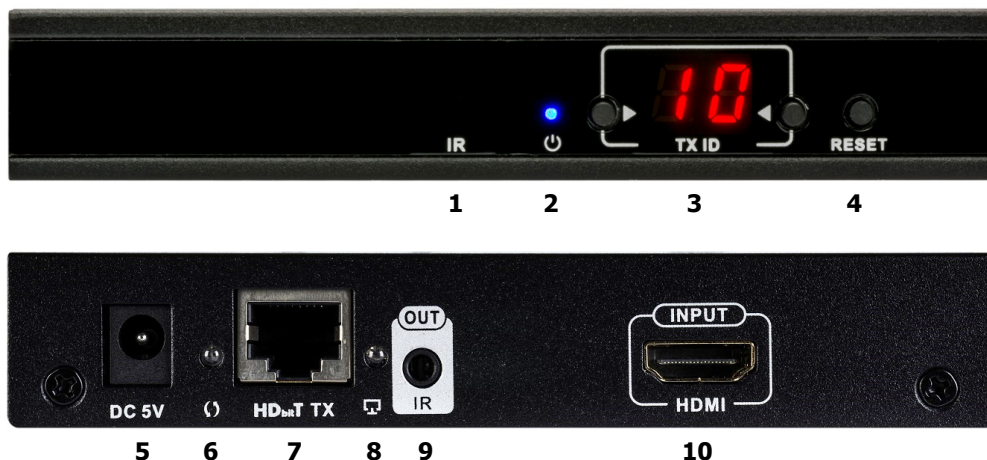# INSTALLATION & SPECIFICATIONS

Includes:

- One Transmitter
- One Receiver
- Two 5VDC/2A Power Adapters
- One IR Receiver Cable, connects to transmitter
- One IR Blaster Extension Cable, connects to receiver
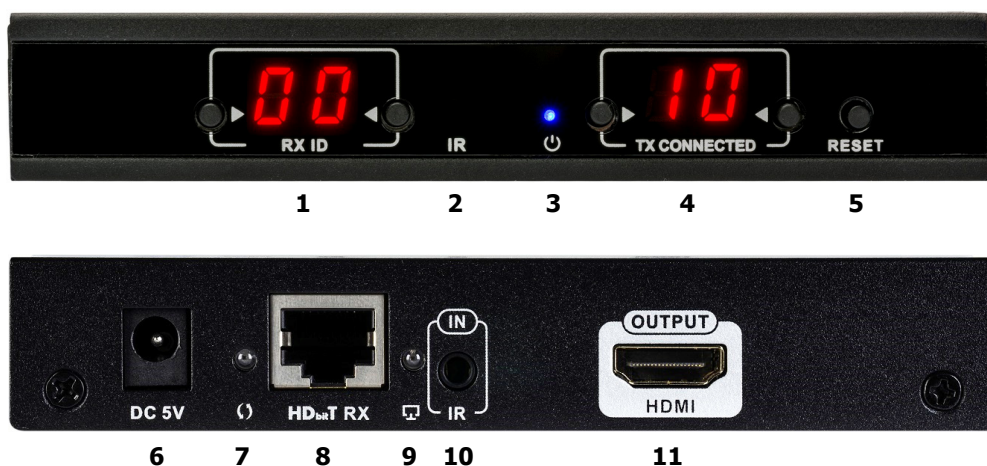- Remote Control
- Four Mounting Ears

TRANSMITTER

1	IR: Remote Control
2	Power Indicator
3	TX Channel Display
4	Reset Button
5	5VDC Power Input
6	Data Transmission Indicator
7	RJ45 Signal Output
8	Connection Indicator
9	IR Blaster Extension Port
10	HDMI Signal Input

RECEIVER

1	RX ID (non-functioning)
2	IR: Remote Control
3	Power Indicator
4	RX Channel Display
5	Reset Button
6	5VDC Power Input
7	Data Transmission Indicator
8	RJ45 Signal Input
9	Connection Indicator
10	IR Receiver Extension Port
11	HDMI Signal Output

SPECIFICATIONS	
Signal	HDMI 1.3, Compliant to HDCP
Resolutions	480p@60Hz, 576p@50Hz, 720p@60Hz, 1080p@60Hz
Audio Format	PCM
HDMI Transmission Distance	Cat5 263 Ft, Cat5E 328 Ft, Cat6 394 Ft
Network Bandwidth	18Mbps
IR Passback	Supports 20-60KHz IR devices
Input Voltage	5VDC@2A
Power Consumption	4W each unit
Dimensions (LxWxH)	5.27x3.30x0.94 in/ 133.8x83.8x23.8 mm
Weight	TX 9.17 oz / RX 8.81 oz

INSTALLATION REQUIREMENTS

1. HDMI Sources with HDMI Output
2. Displays with HDMI Input
3. Cable: UTP/STP CAT5/5e/6 compliant to IEEE-568B Standard
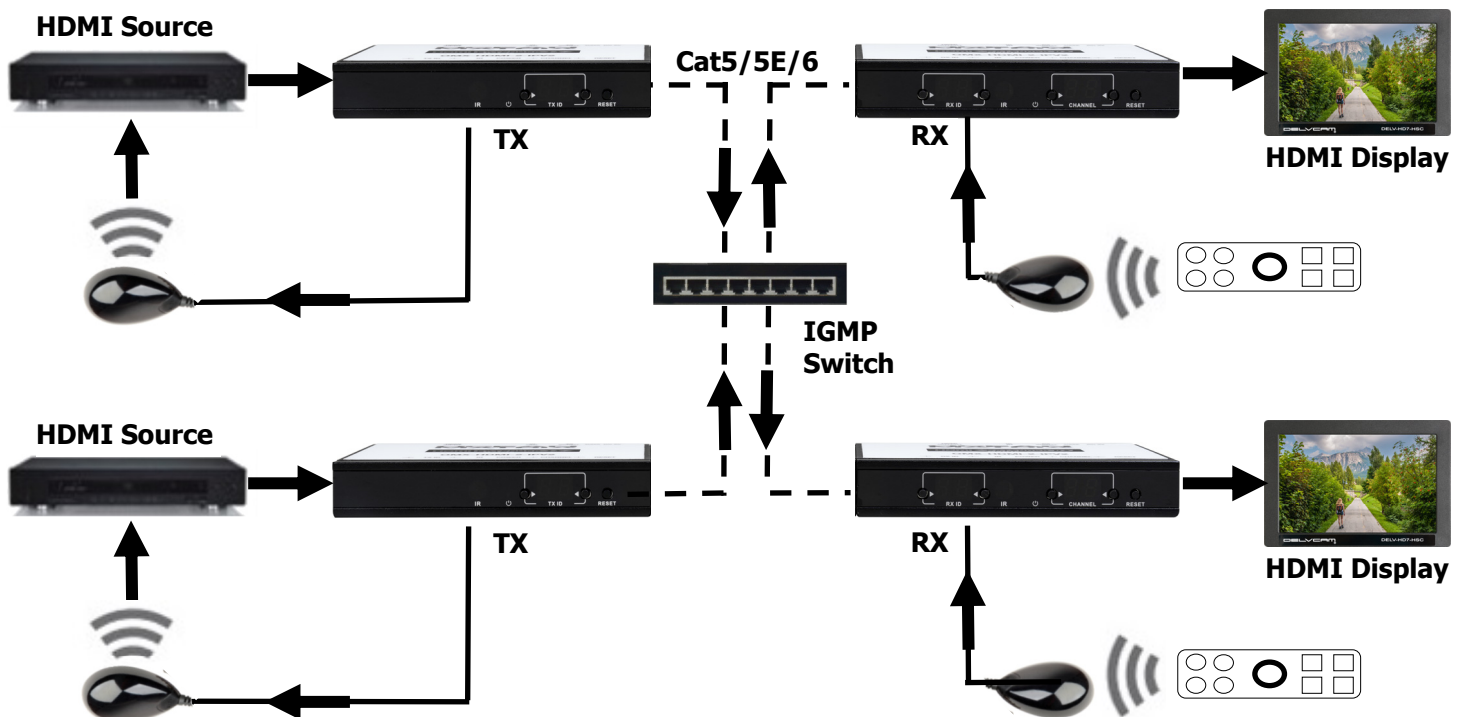4. IGMP Ethernet Switch and/or Wireless Router

INSTALLATION

1. Connect the HMDI video source to the splitter HDMI IN port
2. Connect the HDMI displays to the splitter HDMI out ports
3. Connect the power supply and plug into the power source
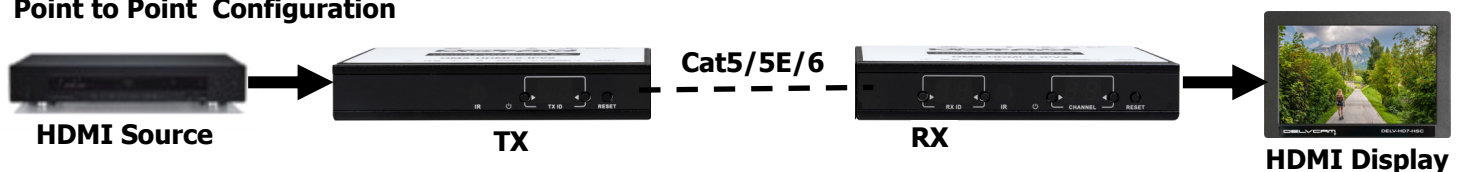
IR USER GUIDE

1. Plug the IR blaster extension cable into the IR-OUT port on the Transmitter.
2. Plug the IR receiver extension cable into the IR-IN port on the Receiver.
3. Place the IR blaster emitter as close as possible to the IR receiver of the signal source device.
4. Use the remote control to select and set the channel.

INSTALLATION DIAGRAMS

Multipoint Configuration

Point to Point Configuration

SETTING CHANNELS MANUALLY

To manually set the channel of the transmitter and the receiver, use the buttons on either side of each display.

TRANSMITTER

RECEIVER

Press a button to set the value from 0 to 9. A button to the left of the number changes that value and the button to the right of a number changes that value. Each value is set separately. Each display can be set from 00 to 99.

To connect a transmitter and a receiver, set the TX Connected on the receiver to the same value displayed on the TX ID screen on the transmitter.

NOTES:

1. The RX-ID feature on the receiver does not function in order to increase network performance and reliability and to enable the ability to set 99 channel sources from independent transmitter units with virtually an unlimited quantity of receivers.

2. Limiting factors of network bandwidth and infrastructure may impact total quantity of sources and destinations.

3. There will be no firmware updates to reinstate the RX ID functionality.

TROUBLESHOOTING

Display Message: "Waiting for Connection"

- Ensure that the power supply is firmly connected. Only use the 5VDC power adapter included.
- Confirm that all cables are securely connected.
- Determine that the receiver's channel number is within the transmitter's channel list.
- Check that all of the transmitter's channels are different.
- Confirm resolution of source device.

Display Message: "Please Check the Transmitter Input Signal"

- Confirm that the input signal to the transmitter is HDMI.
- Connect the HDMI source directly to the display device to ensure there is a signal output.
- Change the signal source if necessary.
- Use only high-quality HDMI 1.4 and HDMI 2.0 cable for 4K×2K UHD transmission.

Display is Not Stable

- Confirm that you are using an IGMP switch.

No image on Displays

- Disconnect the source device. If "Please Check the Transmitter Input Signal" Message appears after 10 seconds on the display, reconnect the source, and change to another resolution.
- If no message appears, then change source device.

SAFETY PRECAUTIONS

- To prevent fire or shock hazard, do not expose this equipment to dust or high humidity. Do not use in an unprotected outdoor installation or in areas classified as overly damp or wet.
- The installation temperature should be kept between 32°F to 140°F (0°C to 60°C). Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.
- Do not place the unit on an unstable base and avoid heavy impact.
- Proper ventilation is required for permanent installation. Do not block or cover enclosure openings as they protect the unit from overheating.
- Prior to cleaning, turn the power off and unplug the unit from all connections. Use a damp cloth. Do not use liquid or aerosol cleaners.
- Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.
- Enclosure entry is dangerous. Never push objects of any kind, including liquids, through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
- Do not open or service this unit yourself as opening or removing covers may expose you to dangerous voltage and other hazards.
- There are no user-serviceable parts inside the unit. If the unit requires service contact your authorized dealer, or authorized repair service company.