

OMX-HDMI-CAT6X

4K@30Hz at 8-Bit HDMI Extender Set

/// OPERATION MANUAL



Description:

The Ocean Matrix OMX-HDMI-CAT6X extender system includes a transmitter and receiver to extend 4K HDMI signals up to 40 meters and 1080p up to 70 meters over a single CAT6 cable.

Features:

- Zero Latency
- Supports up to 4K@30Hz Resolution
- Supports CAT6 / 6A / 7 Network Cables
- Transmission Distance: 4K@30Hz up to 40m / 1080p@60Hz up to 70m
- IR Pass-Back Function (20 - 60KHz)
- Supports 1080p HDR10 (YUV 4:4:4)
- EDID Passthrough
- Audio Formats Supported: PCM, LPCM, DTS HD, DTS Audio
- Automatic Cable Equalization
- Lightning Protection, Surge Protection, ESD Protection

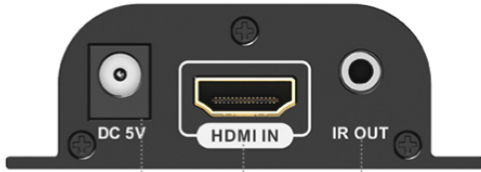
Specifications:

- HDMI Compliance: HDCP 1.4
- HDMI Resolutions: Up to 4K@30Hz 8-bit
- Audio Formats: DTS, DTS-HD, PCM, LPCM
- HDR Supported
- IR Pass-Back: Frequency Range 20-60KHz
- Operating Temperature: -20 - 60°C / -4 - 140°F
- Dimensions (W)(D)(H): 71.6 x 66.6 x 24.8mm / 2.82 x 2.62 x 0.98in
- Each Unit Weight: 2.86 oz
- Power Supply: DC5V/500mA



Operation Controls and Functions:

TX

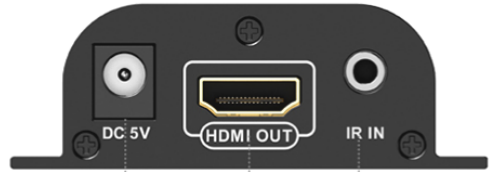


DC5V Input

HDMI Input

IR OUT

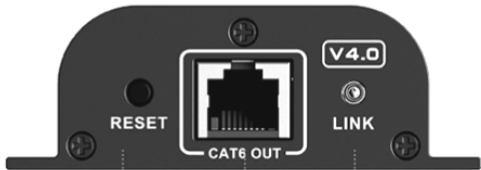
RX



DC5V Input

HDMI Output

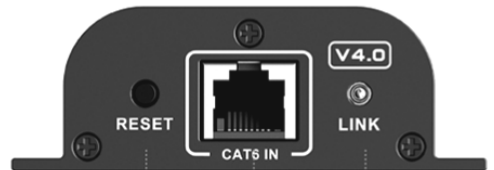
IR IN



Reset Button

RJ45 Signal Output

Signal Indicator



Reset Button

Rj45 Signal Input

Signal Indicator

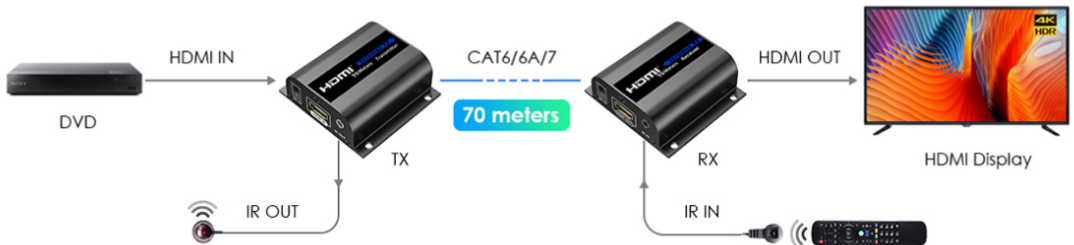
1. **DC5V Input** - Connect to the 5V/500mA DC power adapter.
2. **HDMI Input** - Connect to a HDMI source device.
3. **IR Out** - Connect the IR blaster extension cable, please keep the infrared transmitter as close as possible to the signal source device when using.
4. **Reset Button** - Press the button to restart the device.
5. **RJ45 Signal Output** - Output modulated HDMI signal.
6. **Signal Indicator** - When no HDMI signal is transmitted, the indicator flashes. When the signal is transmitted, the indicator stays on.



Connection Instruction:

1. Connect the HDMI port of the source device to the HDMI In port of the transmitter via HDMI cable.
2. Connect the CAT6 Out port of the transmitter and the CAT6 In port of the receiver via a network cable.
3. Connect the HDMI port of the display device to the HDMI Out port of the receiver via an HDMI cable.
4. Connect the IR blaster extension cable to the IR Out port of the transmitter, connect the IR receiver extension cable to the IR In port of the receiver.
5. Plug the power into the devices to get started.

Connection Diagram:



PRODUCT SERVICE

Damage requiring service:

- The unit should be serviced by qualified service personnel if:
 - (a) The DC power supply cord or AC adaptor has been damaged
 - (b) Objects or liquids have gotten into the unit
 - (c) The unit has been exposed to rain
 - (d) The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet is damaged.
- (2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- (3) Replacement parts: When parts need replacing ensure the servicer uses parts specified by the manufacturer. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- (4) Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install the unit:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit

WARRANTY

1 Year



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