OMX-01KVKV0002

1080p 60Hz HDMI KVM Extender up to 60 Meters

OPERATION MANUAL

Description:

The Ocean Matrix OMX-01KVKV0002 extends 1080p 60Hz HDMI & KVM signals up to 60 meters / 197 feet. With local HDMI loop-out, IR control, and 3.5mm audio support, the OMX-01KVKV0002 is the ideal unit for HDMI KVM extension.

Features:

- Supports Resolutions up to 1080p/60Hz
- Local HDMI Loop-Out Functionality
- Supports transmission up to 60 meters/197 feet
- Low Power Consumption & Low Operating Temperature
- Both the TX and RX Units Support 3.5mm Stereo Audio
- IR Control Functionality
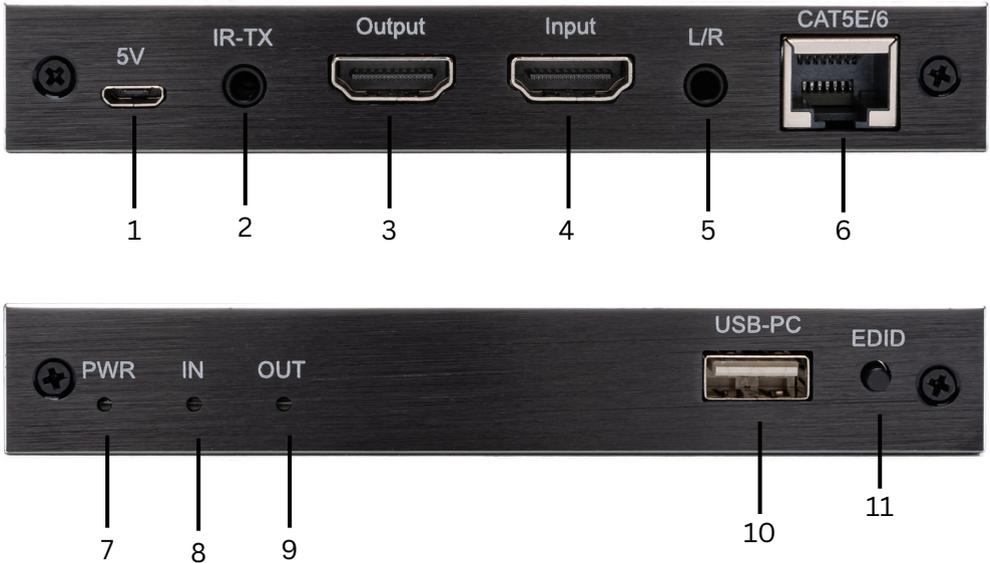- Supports Mouse and Keyboard Extension

Specifications:

- Transmission Distance: Up to 60m/197ft via CAT5e/6
- HDMI Input: 1080p/1080i/720p/576p/576i/480p/480i
- HDMI Output: 1080p/1080i/720p/576p/576i/480p/480i
- Max Bandwidth: 150MHz
- Max Baud Rate: 4.5Gbps
- Input Video Signal: 0.5~1.5Volts p-p
- Output DDC Signal: 5 Volts p-p (TTL)
- Input HDMI Cable Distance: ≤ 10m AWG26 HDMI Standard Cable
- Output HDMI Cable Distance: ≤ 15m AWG26 HDMI Standard Cable
- TX Max Working Current: 450mA
- RX Max Working Current: 350mA
- Power Adapter Format: Input: AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
- Operating Temperature range: 5 to 113°F (-15 to +45°C)
- Operating Humidity Range: 5 to 90% RH (No Condensation)
- TX Weight: 108g
- RX Weight: 108g
- Dimensions (LxWxH): 4.78 x 1.97 x 0.74" (122 x 50 x 19 mm)
- Weight: 0.24 lbs / 3.8 oz / 107 grams

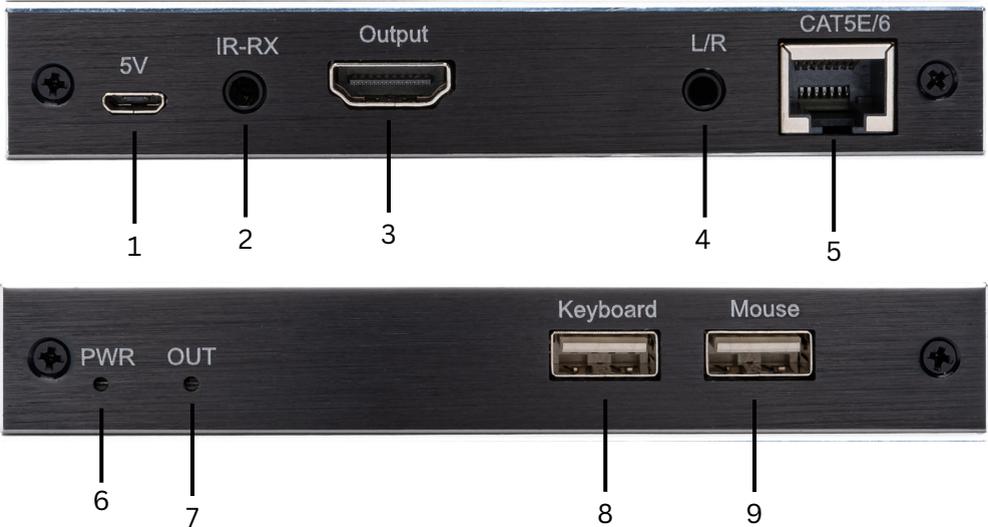# Operation Controls and Functions:

Transmitter:

1. **5V** - 5V DC power input port.

2. **IR-TX** - IR-TX port.

3. **Output**- HDMI loop-out port.

4. **Input** - HDMI input port.

5. **L/R** - Stereo output.

6. **CAT5E/6** - Cat5e / 6 cable connection port.

7. **PWR** - Power indicator light.

8. **IN** - HDMI IN indicator light.

9. **OUT** - HDMI OUT indicator light.

10. **USB-PC** - Connect with the USB of the device (PC).

11. **EDID** - 720p and 1080p switch button.
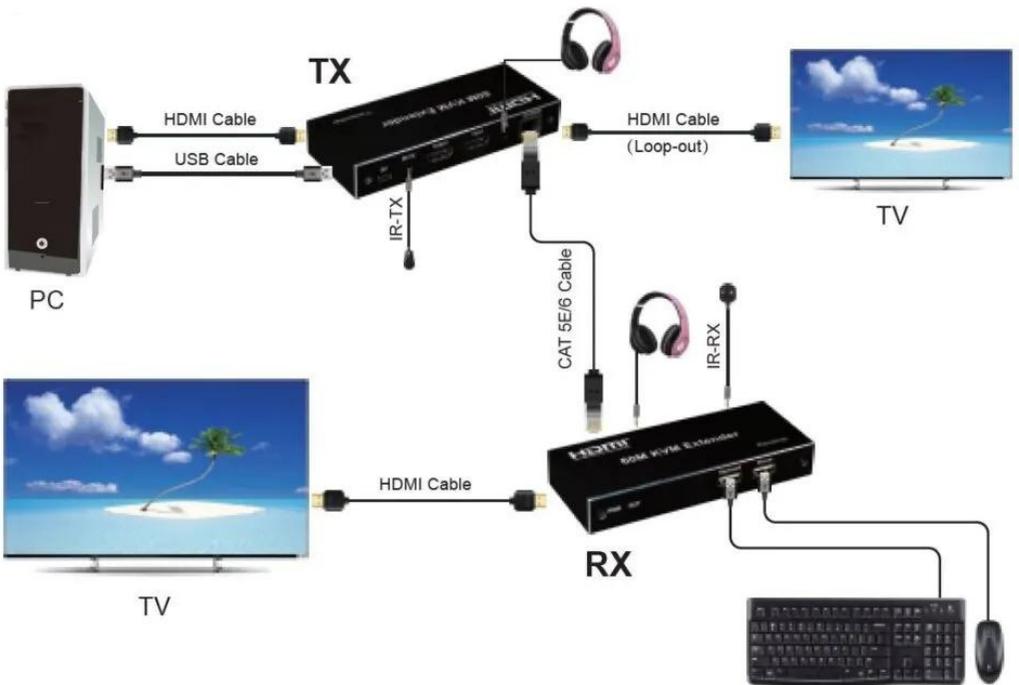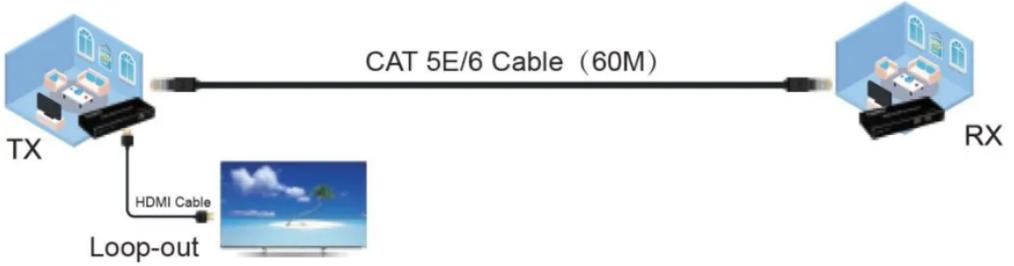
Operation Controls and Functions:

Receiver:

1. **5V** - 5V DC power input port.

2. **IR-TX** - IR-RX port.

3. **Output**- HDMI out port.

4. **L/R** - Stereo output.

5. **CATE/6** - Cat5e/6 cable connection port.

6. **PWR** - Power indicator light.

7. **OUT** - HDMI OUT indicator light.

8. **Keyboard** - Keyboard port.

9. **Mouse** - Mouse port.

Connection Diagrams:

CAT 5E/6 Cable（60M）

TX

HDMI Cable

Loop-out

RX

TX

HDMI Cable

USB Cable

IR-TX

HDMI Cable
(Loop-out)

TV

PC

CAT 5E/6 Cable

IR-RX

HDMI Cable

TV

RX

PRODUCT SERVICE

Damage requiring service:

- The unit should be serviced by qualified service personnel if:
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- (a) The DC power supply cord or AC adaptor has been damaged
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- (b) Objects or liquids have gotten into the unit
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- (c) The unit has been exposed to rain
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- (d) The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet is damaged.
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- (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.
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- (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.
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- (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