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OCEAN MATRIX 06HMHM0003 Compliant HDMI 2x1x2 Splitter/Switcher User Manual

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Description

The Ocean Matrix OMX-06HMHM0003 is a fully 8K capable 1×2 HDMI splitter that will allow its user to switch between 2 sources and simultaneously send the signal to two separate HDMI outputs. This unit supports video resolutions up to 8K@60Hz YCbCr 4:2:0 10-bit and supports LPCM 7.1CH, Dolby TrueHD, DTS-HD Master Audio, DSD audio formats. The OMX- 06HMHM0003 is a compact, durable, plug and play unit perfect for modern gaming setups, conference rooms, lecture halls, and other applications utilizing the latest resolutions!

Features

- 1×2 Splitter/Switch with Dual Input
- HDMI 2.1 and HDCP 2.3 Compliant
- Supports up to 40Gbps Video Bandwidth
- Video Resolution up to 8k@60hz 4:2:0
- HDR, HDR10, HDR10+, Dolby Vision, ALLM/VRR Pass-Through
- HDMI Audio Formats: LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Built-In Cable Equalization
- Compact Design for Easy and Flexible Installation

Item Includes

- 1 x 5V/1A Integrated Power Adapter
- 1 x Remote Control

Specifications

- Inputs: 2 x HDMI Type A (19-pin female)
- Outputs: 2 x HDMI Type A (19-pin female)
- Video Bandwidth: Up to 40 Gbps
- Video Resolution: Up to 8K@60Hz YCBCR 4:2:0 10bit, 8K30 RGB/YCBCR 4:4:4 10bit or,4K120 RGB/YCBCR 4:4:4 10bit
- Color Space: RGB, YCbCr 4:4:4 / 4:2:2. YCbCr 4:2:0
- HDMI Compliance: HDMI 2.1
- HDCP Compliance: HDCP 2.3
- Power Supply: Input: AC100-240V 50/60Hz, Output: DC 5V/1A (US/EU Standards, CE/FCC/UL Certified
- Power Consumption: 2.25W (Max)
- Operation Temperature: 0°C – 40°C / 32°F – 104°F
- Storage Temperature: -20°C – 60°C / -4°F – 140°F
- 4.53in (W) x 2.68in (D) x 0.69in (H)
- Weight: 7.8oz / 221g

Additional Information

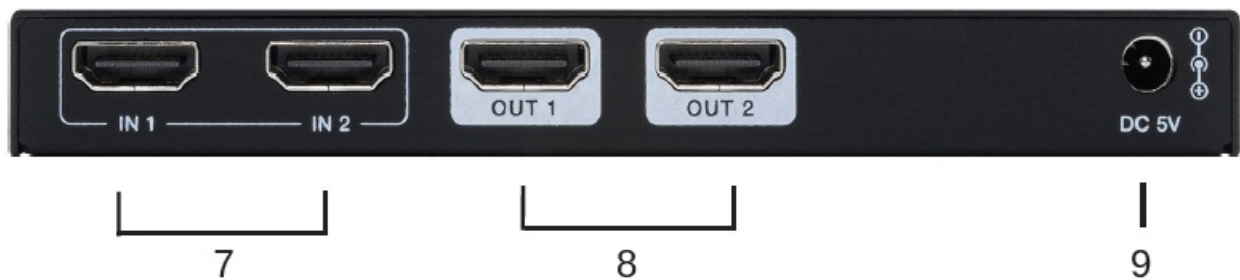- When the device is powered on, both OUT1 and OUT2 outputs default to the signal from IN 1 input.

- The device features a memory function to save settings in case the unit is accidentally powered down.
- AUTO SWITCHING: When input signal is detected, the device will automatically switch to the most recently connected signal.
- Ports IN 1, IN 2 and OUT 1 support CEC function.
- After comparing the EDID of the two output signals, the device defaults to the lower resolution output.
- **Note:** when changing resolutions, you may need to hard reboot to convert

Operation Controls and Functions

Front Panel

Rear Panel

1. **Power LED**
2. **Input LEDs**
3. **Output LEDs**
4. **Switch** – pressing this button will allow the device to switch any of the two HDMI input signals and distribute it to two displays simultaneously
5. **EDID Switch**
6. **Service** – for factory use only
7. **HDMI Input**
8. **HDMI Output**
9. **DC 5V Power Input**

Application Example

PRODUCT SERVICE

Damage requiring service

- The unit should be serviced by qualified service personnel if:
- The DC power supply cord or AC adaptor has been damaged
- Objects or liquids have gotten into the unit
- The unit has been exposed to rain
- The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet is damaged.
- Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 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.
- 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

812 Kings Highway | Saugerties, NY 12477 | 845-246-7500 | **www.oceanmatrix.com** 100% Employee Owned Division of Tower Products Incorporated

Documents / Resources

OCEAN MATRIX OMX-06HMHM0003 8K HDMI 2.1 and HDCP 2.3 Compliant HDMI 2x1x2 Splitter/Switcher	**OCEAN MATRIX 06HMHM0003 Compliant HDMI 2x1x2 Splitter/Switcher** [pdf] User Manual 06HMHM0003 Compliant HDMI 2x1x2 Splitter, Switcher, 06HMHM0003, Compliant HDMI 2x1x2 Splitter Switcher, HDMI 2x1x2 Splitter Switcher, Splitter Switcher, Switcher