

HDMI 4:4 Multiplexers for Home Entertainment

Model name: OHM 44



Description

The product, OHM 44 enables you to switch up to 4 HDMI/DVI HD sources from HD set-top boxes or host computers in far locations to 4 digital HDTVs or displays by using not only general PC software like Hyperlink terminal (RS 232-C serial communication) but also an IR remote controller in the shipping group. Easy programming feature for EDID setting and switching is accomplished in various manners such as manual input of front-panel key button or PC programming with various interfaces of RS232C and USB.

It has been designed not only to fully execute the DDC/HDCP function between any input and output switched, but also to have users designate any EDID to inputs for wide compatibility.

It supports wide-range compatibility with respect to systems, consisting of various HDMI/DVI graphic sources and HDTVs or DVI monitors. They also cover user's own programming with basic command sets of ASCII or Binary codes to offer flexible application with other video controllers or control software.

Features

- Enables to cross switch between one of 4 HDMI or DVI inputs and any of 4 HDMI or DVI outputs.
- Supports graphic computer resolution up to 1920x1200 at 60Hz and HD 1080p (1920x1080).
- Offers various user interface using RS-232C, USB, and IR remote controller.
 - 1) Selection Buttons on Front panel – select any source to each output channel
 - 2) RS-232C – various baud rates
 - 3) USB – USB 2.0 device compatible
 - 4) IR remote Controller – Easy to set any sources to each output
- Supports three options to set EDID for graphic cards
 - 1) Factory setting – EDID to each input in factory-out and able to restore it any time after taking other options

- 2) Direct DDC function to set EDID to any source by selecting one of all connected monitors
 - 3) User own program – able to restore any EDID to each source just by once executing connection of wanted inputs to a targeted monitor and keep it until resetting.
- Offers three programming features for setting input and output connection and EDID setting as follows;
 - 1) Select an input source to each output on the front panel
 - 2) Uses Hyper terminal in RS232c interface
 - 3) Opticis' dedicated PC program
 - Easy to download firmware program using ISP Interface
 - Supports not only DDC but also HDCP.
 - 19" Rack-mountable – Robust & Heavy duty casing.

Technical Information

- Signal type: Digital TMDS and Digital RGB.
- Fully supports HDCP function for digital content protection.
- Maximum Bandwidth: Single Link 1.65Gbps.
- Display resolutions: 480i to 1080p / 640 x 480 to 1920 x 1200 at 60Hz.
- Inputs: 4 HDMI Female ports / Outputs: 4 HDMI Female ports.
- Control or interface method: Front panel manual control, IR remote control (included), USB, and RS-232C port.
- Power supply: AC-to-DC power adaptor – 110-240V 50/60Hz for AC and 12V, 5A for DC.
- Power consumption: 60 Watts
- Dimensions(W X D X H): 444 x 230 x 44mm
- Weight : 3.4 Kg
- Operating temperature & Humidity: 0~40℃, less than 80% humidity.

Shipping group

A-A USB cable, D-sub 9pin RS232 cable, a firmware upgrade cable, CD (PC program), an AC/DC power adaptor and a user manual.

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