Connect a USB host device (e.g. PC) to the USB-B (upstream) port of the matrix.

Optionally connect the Display over RS-232 to send control commands from third-party devices, such as a Cisco Room Kit Mini or an external display.

Optionally connect an audio device (e.g. Active speakers) to the analog audio output ports.

5-pole Phoenix type serial port for third-party control systems, e.g. by Lightware Device Controller (LDC) software.

3-pin Phoenix-type serial port for third-party control systems, or third-party device control.

3-pin Phoenix connector for balanced or unbalanced analog audio signal.

3.5 mm (1/8") jack connector for optional IR detector (IR IN) and IR emitter (IR OUT) connection.

Mini B-type connector for local device control, e.g. by Lightware Device Controller (LDC) software.

Push the hidden button by a thin tool to reboot the device.

Audio configuration selector and for special functions.

GPIO port

Ethernet port

USB port

RS-232 port

USB-A ports

USB-B ports

HDMI inputs (SIGNAL LED)

HDMI outputs (SIGNAL LED)

HDMI outputs (HDCP LED)

USB ports

IR input and IR output ports

USB-A ports

USB-B ports

HDMI inputs for sources. Applied cable shall not be more than 20 m (65.6ft) when signal resolution is 4K.

HDMI output ports for sink devices.

5-pole Phoenix connector for balanced or unbalanced analog audio signal.

RL48 connector for network-sharing, applying device control or performing a firmware upgrade.

12V DC input connector

12V DC input for local powering.

HDMI input ports

HDMI output ports

Audio output port

Ethernet port

GPIO port

Front Panel LEDs

Status LEDs

Video select OUT1

Input select LEDs

Video select OUT2

Reset button

Set Audio Config button

Live

off

blinking (slow)

blinking (fast)

on

The device is not powered.

The device is powered and operational.

The device is in bootload (firmware upgrade) mode.

The device is powered but not operational.

Input is selected, signal is not present.

Output signal is not present or muted.

Output signal is present.

Output signal is not HDCP-encrypted.

Output signal is not present or muted.

Non-HDCP capable device is connected, encrypted signal is replaced with red screen.

The output signal is HDCP-encrypted.

Looking DC plug

Tight 90° clockwise to lock.

Further Information

The document is valid with the following firmware version: 1.0.0

The User’s manual of this appliance is available on www.lightware.com.

See the Downloads section on the dedicated product page.

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Doc. vec. 1.0

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**Audio Interface**

The device contains a built-in USB 2.0 hub. USB host devices (e.g., PC) can be connected to the four USB B-type connectors, and USB peripherals (e.g., camera, speakerphone, mouse, etc.) can be connected to the four USB A-type connectors. You can switch the USB peripherals to connect one host device. Please note that only one USB host can be active at the same time, thus, all the connected USB peripherals will be connected to the same USB host device.

The connected USB peripherals can be powered up to 500mA, except at the first port where max. 1000 mA can be supplied.

**Audio Cable Wiring Guide**

- **Balanced output to balanced input**: 2x6.3 (1/4") TRS - Phoenix
- **Unbalanced output to balanced input**: 3.5 (1/8") TRS - Phoenix
- **Balanced output to unbalanced input**: 2x RCA - Phoenix
- **Unbalanced output to unbalanced input**: 3.5 (1/8") TRS - Phoenix

**Factory Default Settings**

- **Network Settings**
  - IP address (static): 192.168.0.100
  - Subnet mask: 255.255.255.0
  - Static gateway: 192.168.0.1
  - DHCP: disabled
  - TCP/IP port no.: 50002
  - Video Crosspoint Settings
    - OUT 1 (HDMI)
    - OUT 2 (HDMI)
  - Audio Crosspoint Settings
    - OUT 1 (HDMI 1)
    - OUT 2 (HDMI 2)
    - A1 (original HDMI embedded audio)
    - A2 (original HDMI embedded audio)
    - A3 (analog audio input)
  - Port properties
    - Autoselect: disabled
    - HDCP mode: auto
    - Emulated EDID: enabled
    - RS-232 port setting: 9600 BAUD, 8, N, 1, Control mode (LW)
    - Active USB-B host port: PC1 port

For more information about the cable wiring see the user’s manual of the device or the Cable Wiring Guide on our website www.lightware.com/support/guides-and-white-papers.