Quick Start Guide

UBEX-PR02-HDMI-R100 2xMM-2x DUO
UBEX-PR02-HDMI-R100 2xMM-QUAD
UBEX-PR02-HDMI-R100 2xSM-2x DUO
UBEX-PR02-HDMI-R100 2xSM-2x QUAD
UBEX-PR02-HDMI-R100 2xSM-BIDI-DUO

Important Safety Instructions

Please read the supplied safety instruction document before using the product and keep it available for future reference.

Box Contents

UBEX R-series endpoint device
Power cable with Neutrik powerCON connector
Safety and warranty info, Quick Start Guide

Mounting Options

Standard Rack Installation
1. Two mounting holes on the front ears and two on the back of the chassis are for fastening two units to each other with 2x 2 pcs M4 x 16mm screws. This way you get a one rack wide and 1U high device.
2. Fix the rack ears on left and right side as shown in the picture. The default position allows mounting the device as a standard rack unit.

To order rack mounting kit please contact sales@lightware.com.
See the detailed information about this mounting option in the user's manual of the product.

Truss Mounting

Mounting thread on top and on one of the sides is for safe and secure installation. Rigging the handles with a safety wire rope is highly recommended for safety reasons. (Truss mounting clamp and safety wire rope are not available at sales.)

See the detailed information about this mounting option in the user's manual of the product.

Status LEDs

- **LIVE**: The LEDs give immediate feedback about the recent status of the extenders.
- **LCD screen**: LCD screen showing the most important settings and parameters in the front panel menu. The available settings and information depends on the current application mode (Extender mode or Matrix mode).
- **Jog dial control knob**: Easy setting and menu navigation by the jog dial control. Keep dial and click while getting feedback on the LCD.
- **Reset button**: Reboots the device (the same as disconnecting from the power source and reconnecting again).

Operation Mode Settings (only in Extender Mode)

The operation mode (TX/RX/TRX) of the unit can be changed from the front panel:

1. Navigate to the System settings / Operation mode menu and press Enter. After the confirmation the unit resets. After booting up the device operates in the desired mode.

Set Dynamic IP Address (only in Extender Mode)

Navigate to the System settings / Network / DHCP menu and check the current state of the DHCP. If the setting is Enabled change it to Disabled. After this navigate to Save and press Enter.

Further Information

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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Connect the transmitter and the source devices (e.g. 4K PC, PC) using the HDMI input 1 and 2 ports by HDMI cables.

Optionally, connect the transmitter to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

Connect the power adaptor to the AC input on the transceiver first, then to the AC power socket.

Connect a sink device (e.g. monitor) to the HDMI output 1

HDMI out

Optionally, connect the receiver to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

Connect the power adaptor to the AC input on the receiver first, then to the AC power socket.

Connect the device and the remote UBEX endpoint (Extender mode) / L3 network switch (Matrix mode) by a singlemode Neutrik opticalCON DUO fiber optical cable. Please use standard singlemode LC fiber optical cables. The connector does not support the Neutrik opticalCON crossed fiber wiring (A-B; B-A) cable. Please use standard singlemode LC fiber optical cables. Please follow the steps before connecting the endpoint devices to the network:

1. Set different static IP addresses or set DHCP (dynamic IP address) on the front panel LCD menu.
2. Connect the device to the network using the factory default network settings.
3. Connecting the devices to the network using the factory default network settings might cause IP address conflict.

Transmitter (TX) Operation Mode

Connect the transmitter and the source devices (e.g. 4K PC, PC) using the HDMI input 1 and 2 ports by HDMI cables.

Connect the local sink devices (e.g. monitor, 4K TV) to the HDMI output 1 and 2 ports by HDMI cables. The output ports are local loopback ports; the same streams are transmitted which are received on the input ports.

Optionally, connect the transmitter to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

Connect the power adaptor to the AC input on the transmitter first, then to the AC power socket.

Transceiver (TRX) Operation Mode

Connect a local sink (e.g. 4K TV) to the HDMI output 2 by an HDMI cable.

Fiber Optical Connections

For all models

2xSM-BiDi-DUO

2xMM-QUAD / 2xSM-QUAD

2xMM-2xDUO / 2xSM-2xDUO

Transmitter (TX) Operation Mode

Connect the transmitter and the source devices (e.g. 4K PC, PC) using the HDMI input 1 and 2 ports by HDMI cables.

Connect the local sink devices (e.g. monitor, 4K TV) to the HDMI output 1 and 2 ports by HDMI cables. The output ports are local loopback ports; the same streams are transmitted which are received on the input ports.

Optionally, connect the transmitter to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

Connect the power adaptor to the AC input on the transmitter first, then to the AC power socket.

Transceiver (TRX) Operation Mode

Connect the transmitter and the source devices (e.g. 4K PC) using the HDMI input 2 port by an HDMI cable.

Connect a sink device (e.g. monitor) to the HDMI output 1 port by a HDMI cable.

Connect a local sink (e.g. 4K TV) to the HDMI output 2 by an HDMI cable. The output port is a local loopback port; the same stream is transmitted which is received on the HDMI input 2 port.

Optionally, connect the transmitter to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

Connect the power adaptor to the AC input on the receiver first, then to the AC power socket.

Transmitter (TX) Operation Mode

Connect the transmitter and the source devices (e.g. 4K PC, PC) using the HDMI input 1 and 2 ports by HDMI cables.

Connect the local sink devices (e.g. monitor, 4K TV) to the HDMI output 1 and 2 ports by HDMI cables. The output ports are local loopback ports; the same streams are transmitted which are received on the input ports.

Optionally, connect the transmitter to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

Connect the power adaptor to the AC input on the transmitter first, then to the AC power socket.

Transceiver (TRX) Operation Mode

Connect the transmitter and the source devices (e.g. 4K PC) using the HDMI input 2 port by an HDMI cable.

Connect a sink device (e.g. monitor) to the HDMI output 1 port by a HDMI cable.

Connect a local sink (e.g. 4K TV) to the HDMI output 2 by an HDMI cable. The output port is a local loopback port; the same stream is transmitted which is received on the HDMI input 2 port.

Optionally, connect the transmitter to a LAN in order to control the device. User Ethernet is also transmitted over the fiber optical interface so be sure not to create a network loop!

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