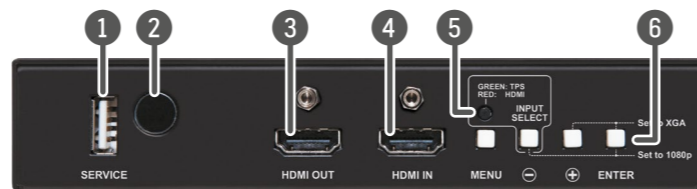




Quick Start Guide

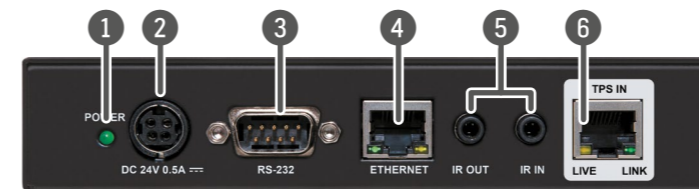
HDMI-TPS-RX120-HDSR

Front View



- 1 USB Port** The port is used to perform a firmware upgrade only.
- 2 IR Sensor** Receiving the IR signals from the supplied remote controller.
- 3 HDMI Output** Connect an HDMI cable between the receiver and the display device.
- 4 HDMI Input** Connect an HDMI cable between the HDMI source and the receiver unit.
- 5 Input LED** Green: TPS input is switched to the output. Red: HDMI input is switched to the output.
- 6 Front Panel Buttons** The buttons can be used for OSD menu navigation and fast output format change (see the details below).

Rear View



- 1 Power LED** If the LED lights, the device is powered and ready to use.
- 2 DC 24V Input** 24V DC input for local power supply.
- 3 RS-232 Port** Local RS-232 port for bidirectional serial data communication; see the **RS-232 Communication** section.
- 4 Ethernet** The Ethernet data is passed through the device between the Ethernet and the TPS port.
- 5 IR Ports** IR input/output connectors (3.5 mm Jack).
- 6 TPS Input** TPS input port for connecting a compatible device.

Front Panel Buttons

MENU Button

- Displaying/hiding the OSD menu (HDMI output).

⊖ Button

- Moving left in the main menu, moving up in a submenu, or decreasing the value of a parameter.
- Toggle the input ports: when the OSD is not displayed, the other input can be selected.

⊕ Button

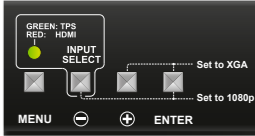
- Moving right in the main menu, moving down in a submenu, or increasing the value of a parameter.

Enter Button

- Selecting a menu/submenu item, or saving the value of a parameter.

Button Combinations

- ⊖ and Enter: changing the output resolution to 1920x1080p60 (Full HD) immediately.
- ⊕ and Enter: changing the output resolution to 1024x768p60 (XGA) immediately.



Important Safety Instructions

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

Introduction

HDMI-TPS-RX120-HDSR is a TPS receiver with a local HDMI input and a built-in HD video scaler. Conversion between common formats and frame rates are supported. One common resolution can be used across a system independently of the connected displays requirement, which improves general performance.

The connected display receives continuous HDMI signal thanks to the scaler, thus eliminating annoying warnings and longer interruptions when switching the input signal.

Compatible Devices

The receiver is compatible with other Lightware TPS devices, TPS and TPS2 output boards, as well as third-party HDBaseT-extenders, displays, but not compatible with the phased out TPS-90 extenders.

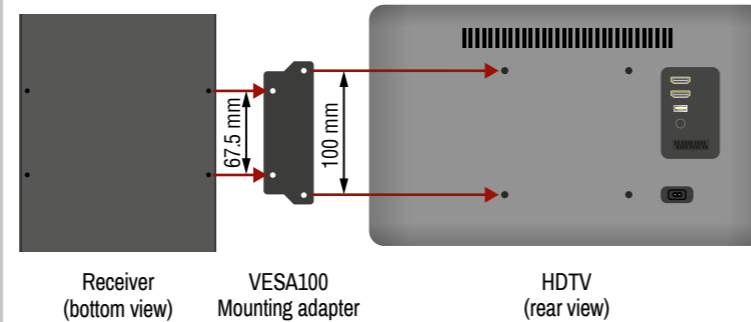
The product is compatible with any HDBaseT™ third party devices.



HDBaseT™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.

Mounting Options

The receiver can be mounted by the optional VESA100 Mounting adapter (please contact sales@lightware.com). See the below example about the application:



Two mounting holes can be found at the bottom of the receiver at each side, the Mounting adapter can be fixed as indicated. The other two holes of the plate can be fixed to a VESA-mounting compatible device (e.g. rear panel of an HDTV).

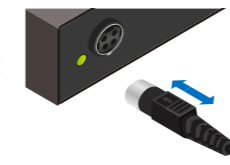
i The VESA100 Mounting adapter can be used to fix the receiver e.g. under the desk.

Powering Options

⚠ The receiver cannot be powered remotely, always use the supplied power adaptor. Warranty is void if damage occurs due to use of a different power source.

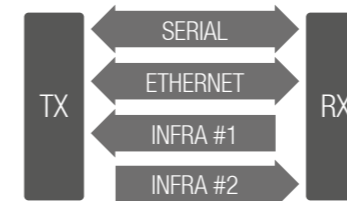
Locking DC Connector

The DC connector has a small latch which helps to avoid an unwanted power disconnection – push the plug until it stops. Be careful when disconnecting the DC plug from the connector, do not pull it by grabbing the cable, always grab the movable plastic angular housing as indicated in the figure.



Bi-directional Pass-through Data Lines

The direction of the video extension is fixed from the transmitter side towards to the receiver but the pass-through data lines are bi-directional. Thus, RS-232, IR, Ethernet source and sink devices can be connected either to the TX or to the RX and the signal is transmitted to the other extender.



About the IR Extension

The IR input and output ports receives/sends baseband IR signal, no modulation/demodulation is done. These ports are suitable for wired IR connections mostly.

IR Port Pinout (Applicable Plugs)

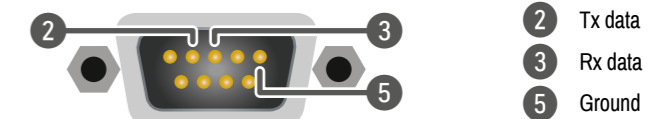
Pin	IR Input	IR Output
1	IR signal	Power
2	Power	IR signal
3	Ground	Ground

⚠ The IR Transmitter and Receiver units supplied with other Lightware devices cannot be connected to the receiver directly.

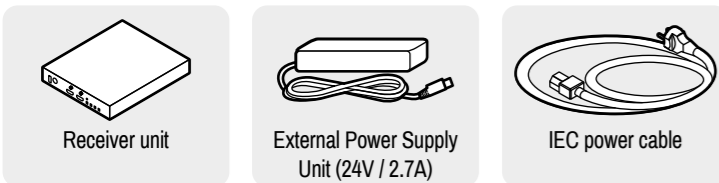
RS-232 Communication

The serial data coming from the TPS line is passed through to the RS-232 port and vice versa. If the incoming command is known by the receiver, it will be processed. Please note that in such cases the response from the receiver will be sent to the sender only. E.g. if a command is sent from the local RS-232 port, the response would not be sent over the TPS line but appear only at the local RS-232 port.

RS-232 Port Pinout



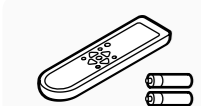
Box Contents



Safety and Warranty info, Quick Start Guide

Optional Accessory

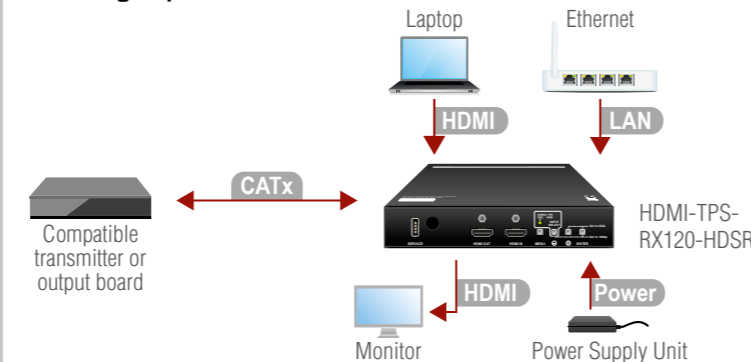
The following accessory can be purchased separately:



Remote Control unit with AAA battery (2x)

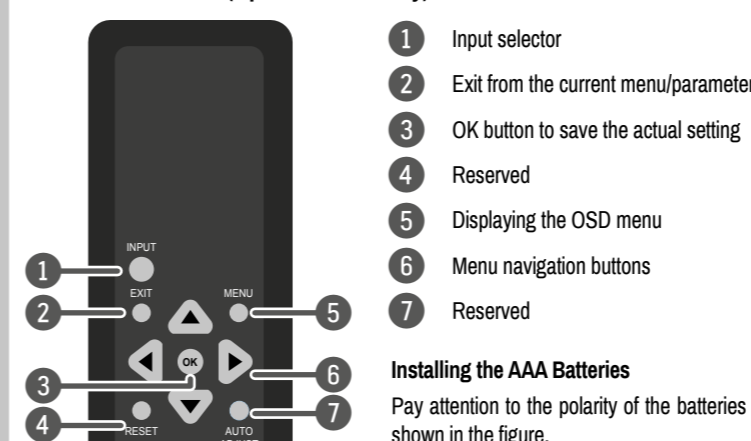
⚠ Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Connecting Steps



- CATx** Connect a CATx cable between the receiver and a compatible transmitter or output board.
- HDMI** Connect a monitor to the HDMI output port.
- HDMI** Optionally connect a HDMI source (e.g. laptop) to the HDMI input port.
- LAN** Optionally connect the receiver to an Ethernet switch by a CATx cable.
- Power** Connect the attached PSU to the receiver and then to the power socket.

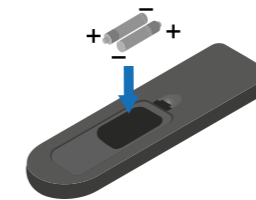
Remote Control Unit (Optional Accessory)



- 1** Input selector
- 2** Exit from the current menu/parameter
- 3** OK button to save the actual setting
- 4** Reserved
- 5** Displaying the OSD menu
- 6** Menu navigation buttons
- 7** Reserved

Installing the AAA Batteries

Pay attention to the polarity of the batteries as shown in the figure.



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Further information on the device is available at www.lightware.com.

Doc. ver.: 1.4
19210101

