User Manual
PT-E-HD20

User Manual

Compact 60m HDMI 2.0 Extender Kit

Model PT-E-HD20
Designed in Germany

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Preface

Read this user manual carefully before using this product. Pictures shown in this manual are for reference only. Different model layouts and specifications are subject to the physical product.

This manual is for operation instructions only, not for any maintenance usage.

In the constant effort to improve our product, we reserve the right to make changes in functions or parameters without prior notice or obligation.

Trademarks

Product model and logo are trademarks. Any other trademarks mentioned in this manual are acknowledged as the properties of the trademark owner. No part of this publication may be copied or reproduced without prior written consent.

Disclaimer of Liability

PureLink GmbH will not be held liable, nor provide any warranty for damage resulting from improper installation, assembly and use of the product, or failure to observe the operating instructions and/or safety instructions.

Product Conformity and Recycling

Declaration of Conformity

PureLink GmbH hereby declares that this product **PureTools PT-E-HD20** complies with the **RoHS Directive 2011/65/EU amended by 2015/863 EU,** the **EMC Directive 2014/30/EU**, **LVD Directive 2014/35/EU** and **Ecodesign Directire 009/125/EC**. The full text of the EU Declaration of Conformity is available at the following Internet address:

http://www.purelink.de

Recycling

According to the European WEEE Directive, electrical and electronic equipment may not be disposed of with household waste. As a consumer, you are obliged to return electrical and electronic equipment free of charge at the end of its service life to the public collection points set up for this purpose or to the point of sale. Details on this are regulated by the respective national law.

The symbol on the product, the instructions for use or the packaging refers to these regulations Recycling old appliances in this way is an important contribution to the protection of our environment.

WEEE Reg Nr. DE 93847290

SAFETY PRECAUTIONS

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Unpack the equipment carefully and save the original box and packing material for possible future shipment
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheating.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrap devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

Product Introduction

The PT-E-HD20 is a compact 4K HDMI 2.0 extender kit. It supports 4K at 60 Hz (4:4:4), HDMI data rates of up to 18 Gbps, and is compliant with HDCP 2.2. The unit enables HDMI transmission over a single CAT6 cable up to 60 metres, supporting both 4K at 60 Hz (4:4:4) and 1080p signals. It also features automatic video downscaling, allowing a 4K input signal to be converted to 1080p for compatibility with legacy displays.

Feature

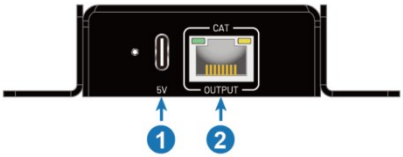
- Supports HDMI 2.0, up to 4K@60Hz 4:4:4, HDR 10, 18G, HDCP 2.2.
- Extends signal up to 4K@60m over single CAT6 cable.
- Supports two-way PoC.
- Supports video resolution down-scaling from 4K to 1080p.
- Compact design, easy to install and mount.

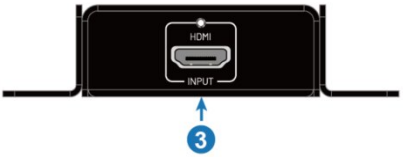
Package List

- 1 x PT-E-HD20-TX
- 1 x PT-E-HD20-RX
- 8 x Mounting ears
- 8 x Rubber feet
- 1 x USB-C Power Adapter (5V, 1A, With locking screw)
- 1 x Manual

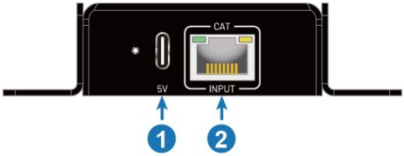
Note: Please contact your distributor immediately if any damage or defect in the components are found

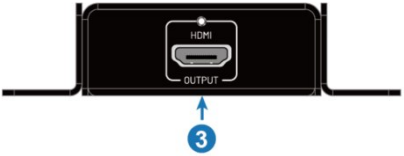
Panel Description





No.	Name	Description
1	USB-C Power	1x USB-C power input, connect to 5V1A USB-C power adapter, with locking screw hole.
2	RJ45 Output	RJ45 port to connect the Cat.X output port of Transmitter by Cat.X cable. The green LED illuminates when power is applied. The orange LED illuminates when there is a valid HDMI signal input.
3	HDMI Input	Type-A female HDMI port to connect HDMI source device.



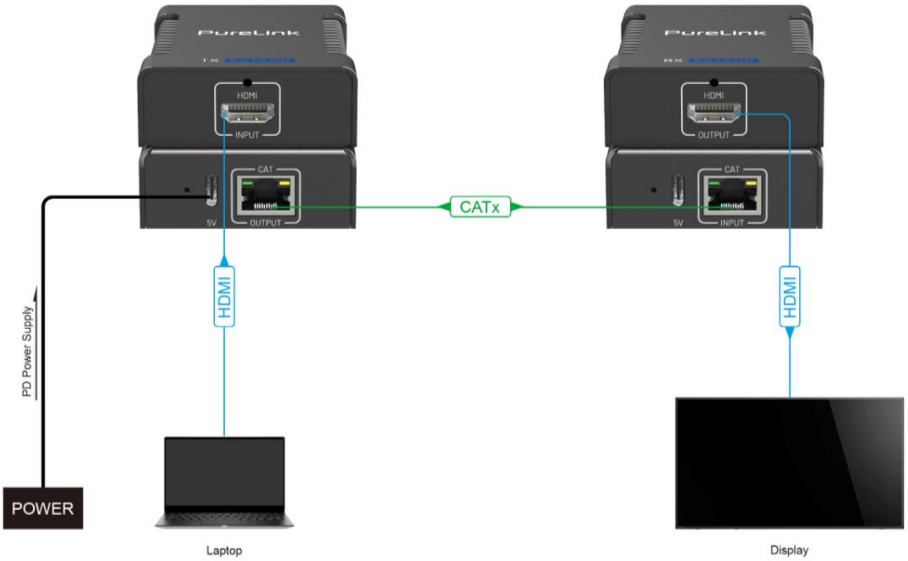


No.	Name	Description
1	USB-C Power	1x USB-C power input, connect to 5V1A USB-C power adapter, with locking screw hole.
2	RJ45 Input	RJ45 port to connect the Cat.X Input port of receiver by Cat.X cable. The green LED illuminates when power is applied. The orange LED illuminates when there is a valid HDMI signal input.
3	HDMI Output	Type-A female HDMI port to connect HDMI display.

Specification

PT-E-HD20-TX	
Input	1x HDMI 2.0
Input Connector	1x 19-pin type-A female HDMI
Output	1x Cat.X OUT
Output Connector	1x RJ45
PT-E-HD20-RX	
Input	1x Cat.X IN
Input Connector	1x RJ45
Output	1x HDMI 2.0
Output Connector	1x 19-pin type-A female HDMI
General	
Video Resolution	Up to 4K@60Hz 4:4:4, HDR 10
HDMI Audio Format	Supports LPCM 2ch, LPCM 5.1ch, LPCM 7.1ch, Dolby Digital 2ch, Dolby Digital 5.1ch, DTS 2ch, DTS 5.1ch, DTS 96/24 5.1ch.
Transmission Distance	4K/1080p ≤ 60 meters ***N.B. that the Cat.X cable length should not be less than 15 meters for best video output!***
HDMI Version	HDMI 2.0
HDCP Version	HDCP 2.2 compliant. (The HDCP of output follows the HDCP version of display device.)
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: DC 5V1A
Operation Temperature	-5~55°C
Storage Temperature	-25~70°C
Relative Humidity	10%-90%
Dimensions (W*D*H)	PT-E-HD20-TX: 89mm x 63mm x 20mm PT-E-HD20-RX: 89mm x 63mm x 20mm

System Diagram



After-Sales Service

If there appear some problems when running the product, please check and deal with the problems referring to this user manual. Any transport costs are borne by the users during the warranty.

- **Product Limited Warranty:** This product will be free from defects in materials and workmanship for **three years** (The purchase invoice shall prevail).
  Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

- **What the warranty does not cover (servicing available for a fee):**
  - Warranty expiration.
  - Factory applied serial number has been altered or removed from the product.
  - Damage, deterioration or malfunction caused by:
    - Normal wear and tear.
    - Use of supplies or parts not meeting our specifications.
    - No certificate or invoice as the proof of warranty.
    - The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
    - Damage caused by force majeure.
    - Servicing not authorized by distributor.
    - Any other causes which does not relate to a product defect.
  - Delivery, installation or labor charges for installation or setup of the product.

- **Technical Support:** For any questions or problems, contact your distributor or reseller and tell them the respective product name and version, the detailed failure situation as well as the formation of the cases.

Asking for Assistance

Technical Support:

Phone: +49 5971 800299 - 0

Fax: +49 5971 800299 – 99

Technical Support Hours:

8:30 AM to 5:00 PM Monday thru Thursday

8:30 AM to 4:00 PM Friday

Write to:

PureLink GmbH

Von-Liebig-Straße 10 D - 48432 Rheine

www.purelink.de