



## User Manual

HDMI Audio De-Embedder 4K (60Hz 4:4:4)

Model PT-C-HDADE

Designed in Germany

## **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 the prior written consent.

## **FCC Statement**

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



**REACH | 1907/2006/EU**

**ROHS | 2011/65/EU**

PureLink hereby declares that this product **PureTools PT-C-HDADE** complies with Directives 1907/2006/EU und 2011/65/EU.

**EMC / LVD (Electro Magnetic Compatibility / Low Voltage Directive)**

PureLink GmbH hereby declares that this product **PureTools PT-C-HDADE** complies with Directives 2014/30/EU and 2014/35/EU. The full text of the EU Declaration of Conformity is available at the following Internet address:

[http://www.purelink.de/ce/4251364706978\\_CE.pdf](http://www.purelink.de/ce/4251364706978_CE.pdf)



## SAFETY PRECAUTIONS

To insure 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 overheat.
  - 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 scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.
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## Introduction to PT-C-HDADE

The PT-C-HDADE is a small-size HDMI2.0 audio de-embedder with 1 HDMI input, 1 HDMI output, and three kinds of audio outputs. It is designed to extract audio from 4K HDMI signal via stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports.

It supports 4K@60Hz/4:4:4 HDR, EDID & CEC pass-through, and the transmission rate is up to 18Gbps. Moreover, there are three audio modes can be chosen in order to be compatible with various audio processing device.

## Feature

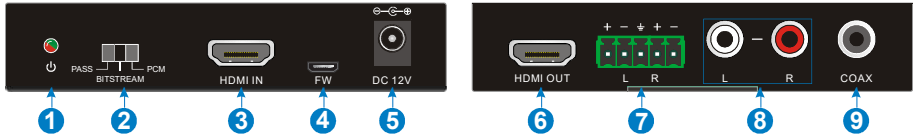
- Supports stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports.
- Supports three audio modes: PASS, BITSTREAM, and PCM.
- HDMI input supports HDCP2.2, and the output supports HDCP1.4.
- Supports HDMI2.0 4K@60Hz/4:4:4 HDR, EDID & CEC pass-through.
- The transmission rate is up to 18Gbps.

## Package Content

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact your distributor for a replacement.

- 1 x PT-C-HDADE
- 1 x 5-pin Phoenix Connector
- 1 x User Manual
- 1 x Power Adaptor (12VDC,1A)
- 4 x Plastic Cushions

## Panel Description

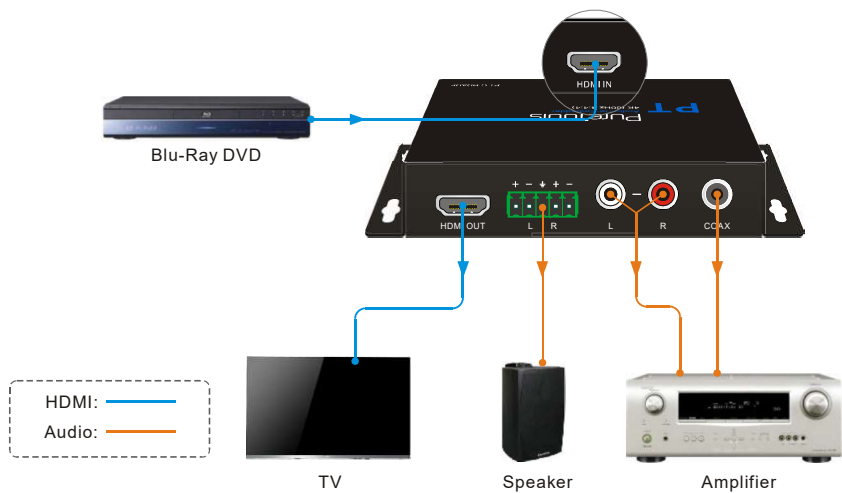


- ① Bicolor LED: GREEN when powered on, Green when HDMI signal input.
- ② Audio Modes Switcher:
  - PASS (default): The source device obtains its EDID from display.
  - BITSTREAM: If the display only supports PCM, and the format of audio source is DTS/Dolby, the switcher should be turned to BITSTREAM to ensure the DTS/Dolby audio can be output via HDMI and coaxial digital audio ports (⑥&⑨), there will be no audio output on analog audio ports(⑦&⑧).
  - BITSTREAM: If the format of source audio is PCM, and it should be DTS/Dolby to be processed via AV amplifier, the switcher should be turned to BITSTREAM, there will be no audio output on analog audio ports(⑦&⑧).
  - PCM: If the digital audio need to be output via analog audio ports(⑦&⑧), the switcher should be turned to PCM, and the coaxial audio port(⑨) will also output PCM audio.
- ③ HDMI IN: Connect with HDMI source.
- ④ FW: Firmware upgrade.
- ⑤ DC 12V: Connect with the included power adaptor.
- ⑥ HDMI OUT: Connect with HDMI display.
- ⑦ L/R: Stereo balanced L/R audio output.
- ⑧ L/R: analog RCA audio output.
- ⑨ COAX: Coaxial digital audio output.

## Specification

Video	
Input	(1) HDMI
Input Connector	(1) 19-pin type-A female HDMI 2.0, HDCP2.2
Output	(1) HDMI
Output Connector	(1) 19-pin type-A female HDMI 2.0, HDCP1.4
Audio	
Output	(1) Stereo balanced audio L/R; (1) Analog audio L+R ; (1) COAX
Output Connector	(1) 5-Pin phoenix connector; (1) RCA ; (1) Coaxial audio connector
Audio Format	Support Dolby D (True HD)/ DTS (HD-Master Audio)/ PCM
General	
Max data rate	18Gbit/s
Max Resolution	4Kx2K@60Hz 4:4:4
Temperature	-10~ 55°C
Reference Humidity	10% ~ 90%
Power Consumption	3 W (Max)
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC 1A
Dimension (W*H*D)	129mm x 21.5 mm x77 mm
Net Weight	244g

## 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.

**1) Product Limited Warranty:** This product will be free from defects in materials and workmanship for **two 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.

**2) 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.

**3) 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

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[info@purelink.de](mailto:info@purelink.de)

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