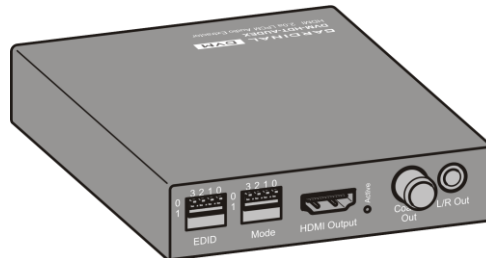


CARDINAL DVM-HDT-Audex



Instructions

English

07/2021

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Notices regarding these instructions and the manufacturer

These instructions will help you to use the "CARDINAL DVM-HDT-Audex" products safely. The "CARDINAL DVM-HDT-Audex" products are referred to as "product" in the following.

Keep these instructions available

These instructions are part of the product.

- ▶ Always keep the instructions on the product.
- ▶ Pass on the instructions if you sell the product or pass it on in any other way.

Design features of these instructions

Various elements of these instructions have fixed design features. As a result, you can easily differentiate the following elements:

Normal text

- First-level enumeration
- ▶ Action steps
- ❗ Tips contain additional information.

Copyright

These instructions contain information that is subject to copyright. These instructions may not be copied, printed, filmed, processed, duplicated or distributed in any form, either in whole or in part, without the prior written permission of Sommer Cable GmbH.

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Manufacturer's address

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Safety

Intended use

The DVM-HDT-AUDEX HDMI 2.0 Audio Extractor and Embedder works on multiple ways: It always extracts the audio via Coaxial digital and Stereo analogue outputs from HDMI source. In embedder mode it removes the original audio of HDMI source and embeds the local feeded analogue audio to the HDMI output. It also features 15 pre-set EDID's for testing or adjusting device in the video signal chain.

The product is intended for use in closed buildings.

Intended use also includes compliance with the accident prevention regulations and the statutory regulations and standards applicable at the place of use.

Intended use also comprises reading and understanding these instructions, as well as observing and following all information therein, especially the safety instructions.

Any other use is not deemed to be intended.

Basic safety instructions

Severe or fatal injuries due to electric shock are possible.

- ▶ Use only the included CARDINAL DVM 5V DC power supply to power the unit. Void of warranty and potentially expose the user to dangerous voltages resulting in an electrical shock could happen in case of using wrong power supplies.
- ▶ Do not expose the device to water, moisture, or liquids. Possible electric shock may result as well as failure of the unit to operate.

Preventing material damage

Material damage due to use of the product under incorrect operating conditions

- ▶ Install the product in a dust-free environment.
- ▶ Install the product protected against moisture, vapors, splash water and wetness.
- ▶ Install the product in a place protected from direct sunlight.
- ▶ Do not install the product in the immediate vicinity of heat sources.
- ▶ Use the product at ambient temperatures between 0 °C and 35 °C.

Personnel qualification

The instructions are intended for assembly and configuration personnel. The following knowledge is required by assembly and configuration personnel:

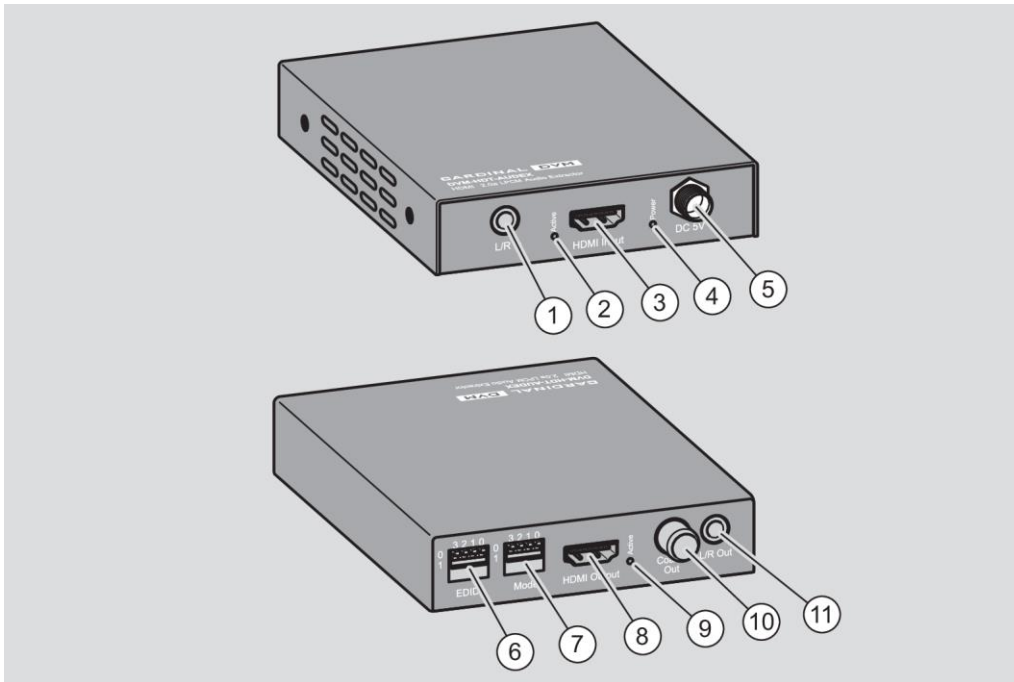
- Knowledge in computer, network and media technology
- Knowledge and experience in assembly and configuration

Description

Scope of delivery

- DVM-HDT-AUDEX
- Power Supply (5 V/1A)

DVM-HDT-Audex



No.	Designation
1	L/R in Analog stereo auxiliary audio input
2	LED indicator for HDMI input, lit when detecting HDMI signal
3	HDMI Input Connect to HDMI source device
4	LED indicator for power, lit when getting power
5	DC 5 V Connect to 5 V/1A DC power supply
6	DIP switcher EDID management
7	DIP switcher Mode selection
8	HDMI Output Connect to HDMI sink device
9	LED indicator for HDMI Output, lit when detecting HDMI signal
10	Coaxial Out Extract the audio from HDMI input
11	L/R Out Extract the audio from HDMI input and convert to 2CH if source Audio is PCM

DIP switcher EDID management							
3	2	1	0	Edid type			
Combination of DIP positions				TIMING setting	AUDIO settings	HDCP support	
0	0	0	0	HDMI 1080P 60fps RGB	2CH LPCM	V 1.x	
0	0	0	1	HDMI 1080P 60fps RGB	6CH AC-3/DTS	V 1.x	
0	0	1	0	HDMI 1080P 60fps RGB	8CH AC-3/DTS	V 1.x	
0	0	1	1	HDMI 1080i 60Hz RGB	2CH LPCM	V 1.x	
0	1	0	0	HDMI 1080i 60Hz RGB	6CH AC-3/DTS	V 1.x	
0	1	0	1	HDMI 1080i 60Hz RGB	8CH AC-3/DTS	V 1.x	
0	1	1	0	HDMI 2160p 60Hz RGB	2CH LPCM	V 2.2	
0	1	1	0	HDMI 2160p 60Hz RGB	6CH AC-3/DTS	V 2.2	
0	1	1	1	HDMI 2160p 60Hz RGB	8CH AC-3/DTS	V 2.2	
1	0	0	0	HDMI 2160p 60Hz RGB	2CH LPCM	V 2.2	
1	0	0	1	HDMI 2160p 60Hz RGB	6CH AC-3/DTS	V 2.2	
1	0	1	1	HDMI 2160p 60Hz RGB	8CH AC-3/DTS	V 2.2	
1	1	0	0	DVI SXGA 60Hz RGB		V 1.x	
1	1	0	1	DVI 1080P 60Hz RGB		V 1.x	
1	1	1	0	DVI WUXGA 60Hz RGB		V 1.x	
1	1	1	1	Copy EDID from Output	Copy from sink		

DIP switcher Mode selection							
3	2	1	0	Mode selection			
0	x	x	x	Force HPD OFF (0): keep source running regardless of sink connection ON (1): source on/off follow the sink connection			
1	x	x	x				
x	0	x	x	HDMI embedder mode ON (1): embed the analogue 'L/R In' to HDMI Output OFF (0): unit only extracts audio from the HDMI Input			
x	1	x	x				
x	x	0	x				
x	x	1	x				
x	x	x	0				
x	x	x	1				

Task and function

The DVM-HDT-AUDEX HDMI 2.0 Audio Extractor and Embedder works on multiple ways: It always extracts the audio via Coaxial digital and Stereo analogue outputs from HDMI source. In embedder mode it removes the original audio of HDMI source and embeds the local feeded analogue audio to the HDMI output. It also features 15 pre-set EDID's for testing or adjusting device in the video signal chain. The product supports 3D, 4K@60Hz 4:4:4 (18 Gbps).

Information on the type plate

The type plate is glued to the power supply unit housing. It contains the following information:

- Type designation of the power supply unit
- EAN code
- Serial number
- Disposal symbol
- CE marking (The product complies with the standards listed in the enclosed declaration of conformity.)

Technical data

Product:	
Bandwidth	18 Gbps (3 × 6G), 600 MHz TMDS clock
Video Input Connectors	1 × HDMI Type A, 19-pin, female
Audio Input Connectors	1 × 3.5 mm stereo jack (L/R)
Video output Connectors	1 × HDMI Type A, 19-pin female
Audio Output Connectors	1 × RCA(S/PDIF), 1 × 3.5 mm stereo jack (L/R)
EDID	4-PIN DIP Switcher
Mode	4-PIN DIP Switcher
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	−4 °F to 140°F (−20 °C to 60 °C)
Power supply	5 V/1A DC
Shipping Weight	0.3 kg
Dimensions W × H × D	140 mm × 84 mm × 22 mm, without feet

i Specifications are subject to change without notice.

Storing and transporting the product

- ▶ Store the product in its original packaging.
- ▶ Transport the product in its original packaging.

Unpacking the product and checking the scope of delivery

- ▶ Remove the parts of the product from the original packaging.
- ▶ Keep the original packaging for later storage or possible return.
- ▶ Check whether all parts of the product were delivered; for more information, see page 5.
- ▶ Check that the parts are in perfect condition.
- ▶ Contact the manufacturer if parts are missing or damaged.

Maintain the product

- ▶ Clean this Product with a soft, dry cloth.

Disposing of the product

At the end of its service life, you must dispose of the product and its accessories in an environmentally friendly manner.

- ▶ Return the product to the manufacturer in its original packaging.
- ▶ Alternatively, dispose of the product with an approved waste disposal company.
- ▶ Observe and comply with the applicable regulations.
- ▶ In case of doubt, contact your city or municipal administration.



Warranty declarations

Sommer Cable GmbH grants a manufacturer's warranty of two years from the date of purchase (proof of purchase receipt) on all parts included in the scope of delivery within the scope of legal regulations. Improper handling or incorrect use shall exempt liability for defects.