



# HDMI eARC Converter/Splitter



**Quick Installation Guide**  
DS-45337

## 1. Introduction

The DIGITUS® HDMI eARC Converter/Splitter offers two operating modes: Mode 1 -> eARC Audio Extractor – Connect an HDMI2.1 device (e.g. Xbox Series X, PS5) with an UHD TV while you continue to use your old AVR (Audio Video Receiver). Uncompressed 5.1 / 7.1 Surround Sound as well as ATMOS and DTS can be extracted from your TV's eARC or ARC port on any standard HDMI input (NOT eARC port) of your older AVR or your soundbar. Streaming devices/sticks, satellite TV, streaming apps on your smart TV benefit from optimal audio contents. Mode 2 -> Audio Splitter – With the local HDMI input and switching off eARC extraction at the converter switch, it is possible to split the audio stream of any HDMI multi-channel audio source and transmit the video to any HDMI 2.0 TV. The audio output offers a black 720p image for compatibility with any older AVR using HDMI 1.3 and higher.

## 2. Features

- HDMI 2.0b and HDCP 2.3 / 1.x compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz with 24bit RGB/YCBCR 4:4:4
- Support VESA format up to QSXGA@60Hz
- HDR, HDR10, HDR10+, Dolby Vision pass-through
- Support PCM 2.0, LPCM 5.1 / 7.1, Dolby Digital, Dolby digital plus, Dolby True-HD, Dolby Atmos, DTS 5.1, DTS ES 6.1, DTS HRA, DTS HD Master, DTS:X
- Built-in Equalizer, Retiming and Driver
- Dedicated HDMI output for audio only with 720p black screen
- Support eARC/ARC audio (from TV) extract to HDMI audio output
- Support CEC function and advanced EDID management

### 3. Package Contents

- 1x HDMI eARC Converter/Splitter
- 1x Micro USB cable, 0.5 m
- 1x User manual



### 4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3 / 1.x
Video Bandwidth	18 Gbps
Video Resolution	Up to 4k2k@60Hz 4:4:4
Color Depth	8-bit, 10-bit, 12-bit (1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit,10-bit,12-bit (4K2K@60Hz YCbCr 4:2:2/ 4:2:0)
Color Space	RGB 4:4:4, YCbCr 4:4:4/ 4:2:2/4:2:0
HDMI Audio Formats	PCM 2.0, LPCM 5.1 / 7.1, Dolby Digital, Dolby Digital plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS ES 6.1, DTS HRA, DTS HD Master, DTS:X
ESD Protection	Human body model — $\pm 8\text{kV}$ (air-gap discharge) & $\pm 4\text{kV}$ (contact discharge)
Connection	
Input	1x HDMI Type A [19-pin female]
Output	2x HDMI Type A [19-pin female]

Mechanical	
Housing	Aluminium Enclosure
Color	Silver
Dimensions	65mm[W] x 70mm[D] x 27mm[H]
Weight	83g
Power Supply	USB 5V / 500mA
Power Consumption	1.75W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

## 5. Panel Description



1	Power LED	Red LED will be on when the device is powered on.
2	DC 5V	1) DC 5V power supply port; 2) Firmware update port
3	eARC switch	The switch is used to turn on/off the eARC function: Switch to “ON” position, the AUDIO OUT2 port will output the eARC/ARC audio; Switch to “OFF” position, the AUDIO OUT2 port will output the audio from HDMI IN port.
4	EDID switch	The switch is used to select EDID setting: Switch to “OUT1” / “OUT2” position, the product will copy the corresponding EDID from the device connected to OUT1/ OUT2 port. If the copy fails, it will use the internal EDID of the default 1080p 2CH.
5	INPUT port	HDMI signal input port. Connect to HDMI source device.
6	eARC/ ARC OUT 1	TV eARC/ARC audio output port. Connect to TV with ARC function.
7	AUDIO OUT2	HDMI Audio output port (720p audio only). Connect to amplifier or speaker.

## 6. Connection Diagram



1	TV with ARC function	3	USB Power Cable
2	Audio Amplifier	4	DVD or Blu-ray Player

Hereby Assmann Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

**[www.assmann.com](http://www.assmann.com)**

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