



# HDMI-ARCEXTRACT

HDMI ARC Audio Extractor



User Manual

Version: V1.0.0



## Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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## 1. Introduction

The HDMI ARC Audio Down-mixer can extract audio signal from the HDTV with ARC to 2-channel analog stereo audio output (down-mixing) or HDMI digital audio output (pass-through), for amplifier/headphone/soundbar applications. It supports Dolby 5.1/DTS 5.1 audio down-mixing. TV remote can control the volume of connected audio devices via CEC function.

## 2. Features

- ☆ Extract ARC audio signal from HDTV to HDMI™ and optical (S/PDIF ) multi-channel audio output ports
- ☆ down-mix the bitstream audio to output analog stereo audio
- ☆ ARC audio supports PCM 2.0, Dolby 5.1, DTS 5.1
- ☆ Support CEC pass-through (TV remote can control the output volume. If the HDMI™ audio and analog audio are output at the same time, CEC control is based on the HDMI™ audio.)

## 3. Package Contents

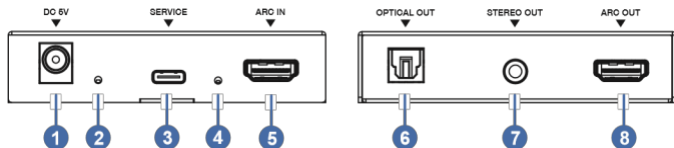
- ① 1× HDMI™ ARC Audio Down-mixer
- ② 1× 5V/1A Multinational Power Adapter with US Conversion Plug
- ③ 2× Mounting Ear
- ④ 4× Machine Screw (KM3\*4)
- ⑤ 1× User Manual

## 4. Specifications

Technical	
Audio Formats	<b>HDMI™ Audio:</b> PCM 2.0, Dolby 5.1, DTS 5.1 <b>L/R Audio:</b> PCM 2.0, Dolby 5.1 downmix, DTS 5.1 downmix <b>Optical (S/PDIF) Audio:</b> PCM 2.0, Dolby 5.1, DTS 5.1
CEC	Supported
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection	
Inputs	1× ARC IN [HDMI™ Type A, 19-pin female]
Outputs	1× OPTICAL OUT [S/PDIF] 1× STEREO OUT [3.5mm L/R female] 1× ARC OUT [HDMI™ Type A, 19-pin female]
Control	1× SERVICE [USB-C, upgrade port]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	90mm [W] × 72mm [D] × 20mm [H]
Weight	175g
Power Supply	DC 5V/1A
Power Consumption	1.2W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F

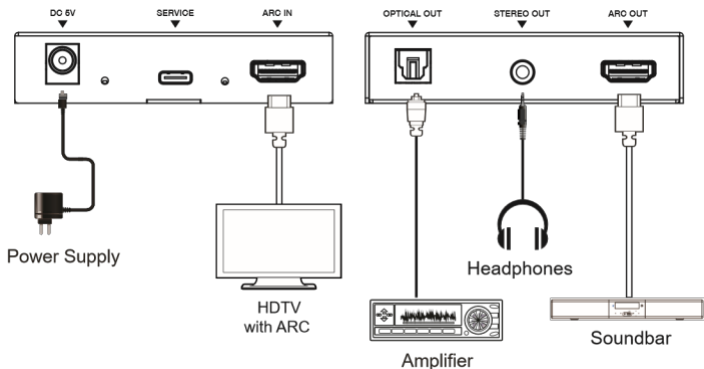
Operating Humidity	20%~80% relative humidity, non-condensing
Storage Humidity	10%~90% relative humidity, non-condensing

## 5. Operation Controls and Functions



No.	Name	Function Description	
1	DC 5V	DC 5V/1A power input port.	
2	Audio Decoding LED	<b>Red &amp; Green LED</b>	<b>Status</b>
		Red-on	PCM decoding or no signal
		Red-flashing	Dolby decoding
		Green-flashing	DTS decoding
3	SERVICE	USB-C port, used for firmware upgrade.	
4	ARC LED	The LED will light up, when the ARC IN is connected.	
5	ARC IN	HDMI signal input port, connected to a HDTV with ARC function via HDMI cable.	
6	OPTICAL OUT	Optical audio output port, connected to an amplifier.	
7	STEREO OUT	Analog audio output port, connected to a speaker.	
8	ARC OUT	HDMI ARC audio output port, connected to a soundbar.	

## 6. Application Example



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