



DA27

**HDMI™ ARC Audio Downmixer
(3.5mm, ARC Output)**

*Follow us on Youtube
and Facebook*



USER MANUAL

www.orei.com

Table of Contents

Introduction	04
Features	05
Package Contents	05
Specifications	06
Operation Controls and Functions	07
Application Example	09
FAQs & Troubleshooting	10

Thank you for purchasing this product

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

Important Safety Note - Surge Protection Recommended

This product contains sensitive electronic components that may be damaged by electrical spikes, surges, lightning strikes, or static discharge. To protect and extend the service life of your equipment, we strongly recommend using a surge protection device.

Warranty Registration

Activate your warranty by registering your product at:
→ www.orei.com/register

Need Technical Support? We're Here to Help.

Our experienced Technical Support Team is available to answer your questions, offer expert advice, and help troubleshoot any issues to keep your project on track—on time and on budget.

Live Support Hours (US/Canada/Mexico):

🕒 Monday–Friday | 9:00 a.m. – 5:00 p.m. Central Time

Contact Us:

✉ Email: info@orei.com

📞 Phone: 877-290-5530

💬 Chat Live: www.orei.com

Send us an instant message—our team typically responds within moments during live support hours.

Introduction

DA27 is a compact and high-performance audio down-mixer designed to extract and convert audio from ARC-enabled TVs. It outputs 2-channel analog stereo audio via 3.5mm output and digital audio through HDMI™ ARC, making it ideal for connecting ARC soundbars or AVRs along with analog audio devices like headphones. Supporting Dolby 5.1 and DTS 5.1 audio down-mixing, it ensures rich, balanced stereo sound without loss of clarity.

Equipped with CEC functionality, the device allows users to conveniently control the connected ARC soundbar's volume using the TV remote, simplifying operation and enhancing user experience. Designed for versatility and ease of use, the DA27 delivers high-quality sound reproduction for modern home entertainment systems.

Note: The DA27 is designed exclusively for ARC/eARC audio applications and does not support any video pass-through. This includes the transmission of on-screen menus or setup interfaces from a soundbar or any connected device back to the TV. The unit is intended solely for audio extraction and processing.

Features

1. **ARC Enabled** – Extracts audio from ARC-enabled TVs to analog stereo and HDMI™ ARC output simultaneously.
2. **Audio Down-mixing** – Supports Dolby 5.1 and DTS 5.1 down-mixing to 2-channel stereo audio while maintaining 5.1 audio on the ARC output.
3. **CEC Function** – Allows TV remote to control the ARC Soundbar/AVR.
4. **Plug-and-Play Design** – Simple setup with automatic ARC detection and reliable signal conversion.
5. **Compact and Durable Build** – Space-saving design suitable for home AV setups and soundbar integration.

Package Contents

1.	DA27	1 pcs
2.	USB Power Cable	1 pcs
3.	User Manual	1 pcs

Specifications

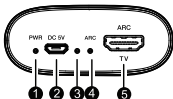
Technical	
HDMI™ Audio Formats	PCM 2.0, Dolby 5.1, DTS 5.1
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Inputs	1× TV [HDMI™ Type A, 19-pin female]
Outputs	1× SOUNDBAR [HDMI™ Type A, 19-pin female] 1× STEREO [3.5mm L/R female]
Mechanical	
Housing	Plastic Enclosure
Color	Black
Dimensions	L: 70mm / 2.76in W: 65mm / 2.56in H: 27mm / 1.06in
Weight	80g / 2.82oz
Power Supply	USB 5V/1A
Power Consumption	1.56W (Max)
Operation Temperature	32°F~104°F/0°C~40°C
Storage Temperature	-4°F~140°F/-20°C~60°C

Operation Controls and Functions

(Continued)

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

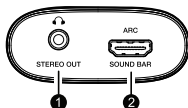
Front Panel



No.	Name	Function Description
1.	Power LED	The LED will light up when the device is powered on.
2.	DC 5V	Connect the included USB power cable with a DC 5V USB power adapter (not included).
3.	Audio Decoding LED (Red+Green)	Red-on: PCM decoding or No signal. Red-flashing: Dolby decoding. Green-flashing: DTS decoding.
4.	ARC LED	The LED will light up when the TV port is connected to an ARC port on the TV.
5.	ARC TV	Connect to an ARC/eARC TV.

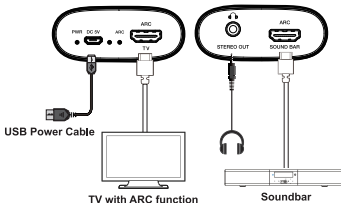
Operation Controls and Functions

Rear Panel



No.	Name	Function Description
1.	STEREO OUT	Connects to an external audio output device such as headphone, AMP.
2.	ARC SOUND BAR	Connects to a soundbar with ARC/eARC function.

Application Example



For DTS patents, see <http://patents.dts.com>.

Manufactured under license from DTS Licensing Limited. DTS, the Symbol, DTS and the Symbol together, and Digital Surround are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved.



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

FAQs & Troubleshooting

1. Unable to get audio / Audio still plays on TV speakers

- Check if ARC/eARC function is enabled from the TV settings.
- Check if the correct HDMI port, usually labeled ARC/eARC, is connected to the audio converter.

2. No audio from headphones or amplifier even when ARC is enabled on the TV

Change the audio from the TV's settings to Dolby Digital, DTS depending on what your audio device supports.

Still have some questions?

Please feel free to contact us at: info@orei.com. OR Fill out the form on the 'Contact Us' page on the website. Our team will be more than happy to help you.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 5 p.m. Central Time **Support Email** - info@orei.com | **Support Number** - 877-290-5530



**HDMI™ ARC Audio Downmixer
(3.5mm, ARC Output)**

DA27

www.orei.com

© 2025