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› PERESAL HDMI Switch with eARC Audio Extractor (Model V2) - User Manual

PERESAL V2

PERESAL HDMI Switch with eARC Audio Extractor (Model V2) - User Manual

Model: V2 | Brand: PERESAL

1. PRODUCT OVERVIEW

The PERESAL HDMI Switch with Audio Extractor (Model V2) is designed to connect two HDMI 2.0 sources to a single display device while providing advanced audio extraction capabilities. It supports resolutions up to 4K@120Hz, HDR, and VRR, ensuring high-quality video. Audio can be extracted via Toslink (SPDIF), L/R RCA, and Coaxial outputs, supporting 7.1CH (eARC/ARC), 5.1CH, and 2.0CH audio formats. This device is ideal for integrating multiple media sources with various audio systems.



Image 1.1: Front and rear view of the PERESAL HDMI Switch with Audio Extractor.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x PERESAL HDMI Switch with Audio Extractor (Model V2)
- 1x IR Remote Control
- 1x Power Supply (DC 5V/1A)
- 1x User Manual (this document)



Packing list



IR remote control



Power Adapter

Image 2.1: Included items: HDMI switch, IR remote control, and power adapter.

3. PRODUCT DIAGRAM AND PORTS

Familiarize yourself with the various ports and indicators on your HDMI switch:

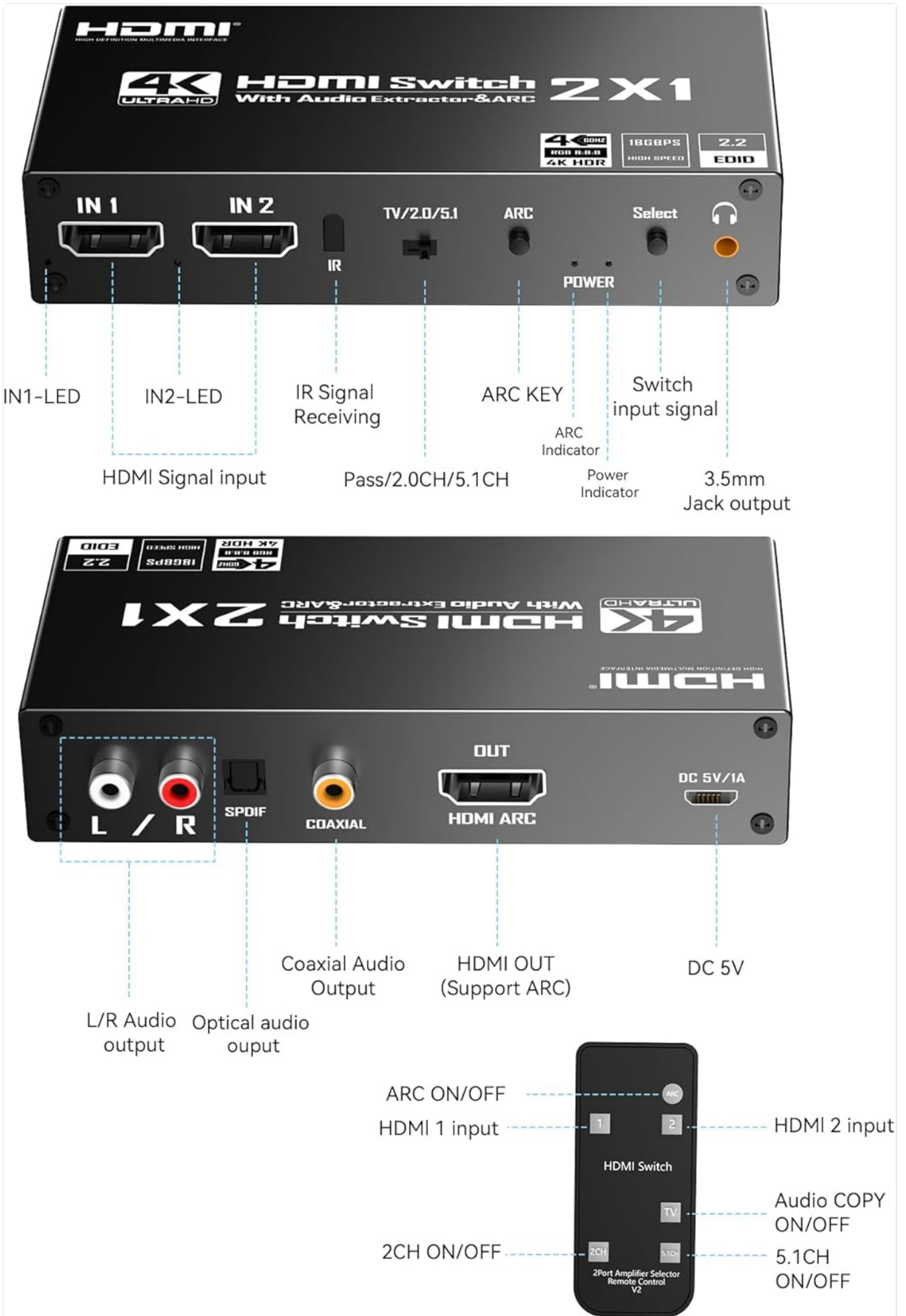


Image 3.1: Front and rear panel connections and indicators.

Front Panel:

- **IN 1 / IN 2:** HDMI Input ports for source devices (e.g., gaming console, Blu-ray player).
- **IN1-LED / IN2-LED:** Indicators for active HDMI input.
- **IR:** Infrared receiver for the remote control.
- **TV/2.0/5.1 Switch:** Audio mode selection switch (Pass-through, 2.0CH, 5.1CH).
- **ARC Key:** Button to activate/deactivate ARC function.
- **POWER:** Power indicator LED.
- **Select:** Button to manually switch between HDMI inputs.
- **3.5mm Jack Output:** Stereo audio output for headphones or 2-channel audio systems.

Rear Panel:

- **L/R (RCA):** Analog stereo audio output.
- **SPDIF (Optical Toslink):** Digital optical audio output.
- **COAXIAL:** Digital coaxial audio output.
- **HDMI ARC (OUT):** HDMI output port to connect to your display (supports ARC/eARC).
- **DC 5V/1A:** Power input port.

4. SETUP INSTRUCTIONS

Follow these steps to set up your PERESAL HDMI Switch:



Image 4.1: Typical connection diagram.

1. **Connect HDMI Sources:** Connect your HDMI source devices (e.g., PS5, Xbox, PC, Blu-ray player) to the **IN 1** and **IN 2** ports on the HDMI switch using high-quality HDMI 2.0 or 2.1 cables.
2. **Connect to Display:** Connect the **HDMI ARC (OUT)** port of the switch to the HDMI input of your TV, monitor, or projector. If your display supports ARC/eARC, connect to the designated ARC/eARC HDMI port on your display.

3. Connect Audio System (Optional):

- For 2-channel stereo audio, connect the **L/R (RCA)** outputs or the **3.5mm Jack Output** to your amplifier or speakers.
- For 5.1 channel digital audio, connect the **SPDIF (Optical Toslink)** or **COAXIAL** output to your soundbar or AV receiver.

4. **Connect Power:** Connect the provided 5V/1A power adapter to the **DC 5V/1A** port on the switch, then plug it into a power outlet. The **POWER** indicator LED will illuminate.

5. **Power On Devices:** Power on your display and HDMI source devices.

5. OPERATING INSTRUCTIONS

5.1 Switching HDMI Inputs

You can switch between HDMI input sources using three methods:



Image 5.1: Input switching methods.

- **Automatic Switching:** The switch can automatically detect and switch to a newly activated HDMI source.
- **Manual Button:** Press the **Select** button on the front panel of the device to cycle through the HDMI inputs.
- **IR Remote Control:** Use the provided IR remote control to directly select **HDMI 1 input** or **HDMI 2 input**.

5.2 Audio Output Configuration

The switch allows you to configure the audio output mode based on your audio system requirements:

TV/5.1/2.0CH Audio Output

Your can choose any of 3 audio system



Audio Out: for 2.0L/R audio



Optical/Coaxial Out: 5.1 Ch Home Audio System

Image 5.2: Audio output options.

- **TV (Pass-through):** The audio signal is passed directly to the HDMI output, allowing your display or connected audio system to decode it. This mode supports 7.1CH audio via eARC/ARC.
- **2.0CH:** The switch extracts 2-channel stereo audio, outputting it via the L/R RCA and 3.5mm jack ports.
- **5.1CH:** The switch extracts 5.1 channel audio, outputting it via the SPDIF (Optical Toslink) and Coaxial ports.

Use the **TV/2.0/5.1 Switch** on the front panel or the corresponding buttons on the remote control **2CH ON/OFF**,

5.1CH ON/OFF) to select your desired audio mode.

5.3 ARC/eARC Functionality

The Audio Return Channel (ARC) and enhanced Audio Return Channel (eARC) allow audio from your TV's built-in apps or tuner to be sent back to your audio system through the HDMI cable connected to the switch's HDMI ARC (OUT) port.

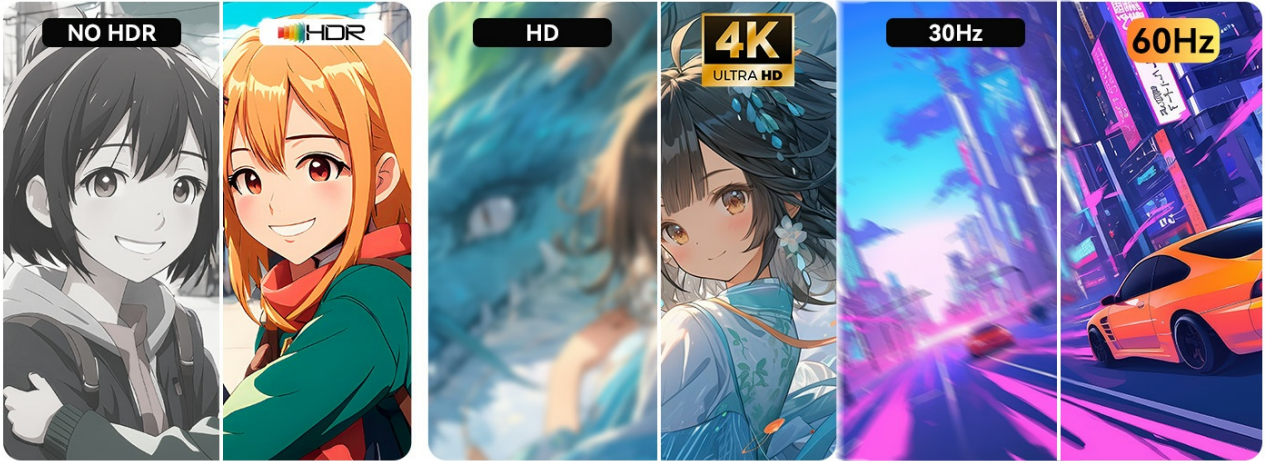


Image 5.3: ARC function connection.

To use the ARC function:

1. Ensure your TV's HDMI port is ARC/eARC compatible and enabled in your TV settings.
2. Connect the HDMI ARC (OUT) port of the switch to the ARC/eARC HDMI input on your TV.
3. Connect the desired audio output ports (L/R, SPDIF, Coaxial) from the switch to your audio amplifier or sound system.
4. Press the **ARC Key** on the front panel or the **ARC ON/OFF** button on the remote to activate the ARC function.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts.

7. TROUBLESHOOTING

If you encounter issues, please refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No video output	Loose HDMI cables, incorrect input selection, power issue.	Check all HDMI cable connections. Ensure the correct input (IN 1 or IN 2) is selected on the switch. Verify the power adapter is connected and the POWER LED is on. Try a different HDMI cable.
No audio output	Incorrect audio mode, loose audio cables, audio system settings.	Check audio cable connections. Ensure the audio mode (TV/2.0/5.1) is correctly set on the switch or via remote. Verify your audio system's input and settings. If using ARC, ensure it's enabled on both the TV and the switch.
Remote control not working	Battery depleted, IR sensor blocked, remote too far.	Replace the remote control battery. Ensure there are no obstructions between the remote and the switch's IR sensor. Operate the remote within a reasonable distance and angle.
Intermittent signal/flickering	Poor quality HDMI cable, cable too long, resolution/refresh rate incompatibility.	Use certified high-speed HDMI cables (HDMI 2.0 or 2.1). Ensure cable length is appropriate for the resolution. Check if your display and source support the selected resolution and refresh rate (e.g., 4K@120Hz).

8. SPECIFICATIONS

Feature	Detail
Model Number	V2
HDMI Version	HDMI 2.0
Max Resolution	4K@120Hz (backward compatible with 4K@60Hz, 4K@30Hz, 1080P)
Supported Features	3D, UHD, HDTV, RGB4:4:4, Full HD, HDCP2.2, HDR, VRR
HDMI Inputs	2
HDMI Output	1 (HDMI ARC/eARC compatible)
Audio Outputs	Optical Toslink (SPDIF), L/R RCA, Coaxial, 3.5mm Jack
Audio Formats	7.1CH (eARC/ARC), 5.1CH (SPDIF/Coaxial), 2.0CH (L/R, 3.5mm)
Power Supply	DC 5V/1A
Product Dimensions	2.09 x 4.41 x 0.95 inches
Item Weight	8.1 ounces

9. WARRANTY AND SUPPORT

PERESAL products are designed for reliability and performance. We stand by the quality of our products.

9.1 Warranty Information

All PERESAL products come with a lifetime technical support guarantee. Additionally, this product is covered by a 12-month protection period from the date of purchase, during which any manufacturing defects will be replaced at no cost.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our customer support team. You can reach us through the Amazon internal messaging system, and we commit to responding to your inquiry within 24 hours.

Please visit our official brand page on Amazon for more information and contact options: [PERESAL Official Store](#)