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SpeaKa Professional SP-HDA-510

SpeaKa Professional SP-HDA-510 User Manual

HDMI AUDIO EXTRACTOR

1. Introduction

Thank you for purchasing the SpeaKa Professional SP-HDA-510 HDMI Audio Extractor. This device is designed to enhance your audio-visual experience by allowing you to extract audio from an HDMI source and output it to various audio systems, including soundbars with eARC, or traditional audio receivers via S/PDIF (optical) or analog audio outputs. It also features multiple HDMI inputs for connecting various devices and a single HDMI output for your display.

2. Safety Information

- Read all instructions carefully before operating the device.
- Keep this manual for future reference.
- Do not expose the device to moisture, rain, or extreme temperatures.
- Ensure proper ventilation around the device to prevent overheating.
- Use only the provided power adapter.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Disconnect power during lightning storms or when unused for long periods.

3. Package Contents

Please check the contents of your package. If any items are missing or damaged, contact your retailer.

- SpeaKa Professional SP-HDA-510 HDMI Audio Extractor Unit
- Power Adapter (DC 5V)
- Remote Control
- User Manual (this document)
- Installation Hardware (if applicable)

4. Product Overview



Figure 4.1: Top-front view of the SpeaKa Professional SP-HDA-510, showing the brand logo, 4K UHD indicator, input LEDs (IN-1, IN-2, IN-3), audio channel LEDs (2CH, 5.1CH, 7.1CH, eARC), and the 'SELECT' button.



Figure 4.2: Rear-side view of the SpeaKa Professional SP-HDA-510, highlighting the various input and output ports including HDMI inputs, HDMI output to TV, eARC output, Optical, and Analog audio outputs, along with the DC 5V power input and Audio Select button.

4.1 Front Panel Features



Figure 4.3: Detailed view of the front panel, showing the HDMI input indicators (IN-1, IN-2, IN-3) and audio mode indicators (2CH, 5.1CH, 7.1CH, eARC).

- **4K UHD Indicator:** Lights up when a 4K UHD signal is detected.
- **IN-1 / IN-2 / IN-3 LEDs:** Indicate which HDMI input is currently active.
- **2CH / 5.1CH / 7.1CH / eARC LEDs:** Indicate the current audio output mode.
- **SELECT Button:** Used to manually switch between HDMI input sources.

4.2 Rear Panel Features



Figure 4.4: Detailed view of the rear panel, showing all connectivity ports.

- **DC 5V:** Power input port. Connect the provided power adapter here.
- **AUDIO SELECT:** Button to cycle through audio output modes (2CH, 5.1CH, 7.1CH, eARC).
- **AUDIO (3.5mm Jack):** Analog stereo audio output.
- **OPTICAL (S/PDIF):** Digital optical audio output.
- **Soundbar (eARC):** HDMI output specifically for connecting to an eARC-compatible soundbar. This port supports Audio Return Channel.
- **TV (HDMI/eARC):** HDMI output for connecting to your television or display. This port also supports eARC functionality.
- **IN-3 / IN-2 / IN-1:** HDMI input ports for connecting source devices such as game consoles, Blu-ray players, or streaming devices.

5. Setup

Follow these steps to set up your SpeaKa Professional SP-HDA-510:

1. **Connect HDMI Sources:** Connect your HDMI source devices (e.g., PC, game console, satellite receiver) to the HDMI IN-1, IN-2, or IN-3 ports on the rear panel of the SP-HDA-510.
2. **Connect to TV/Display:** Connect an HDMI cable from the "TV (HDMI/eARC)" output port on the SP-HDA-510 to an HDMI input on your television or display.
3. **Connect Audio Output (Optional):**
 - For eARC Soundbar: Connect an HDMI cable from the "Soundbar (eARC)" output port on the SP-HDA-510 to the eARC/ARC input on your soundbar.
 - For Optical Audio: Connect an optical cable from the "OPTICAL" port on the SP-HDA-510 to the optical input

on your audio receiver or sound system.

- For Analog Audio: Connect a 3.5mm audio cable from the "AUDIO" port on the SP-HDA-510 to the analog input on your audio system.

4. **Connect Power:** Connect the provided DC 5V power adapter to the "DC 5V" port on the SP-HDA-510, then plug the adapter into a power outlet. The unit will power on automatically.

5. **Power On Devices:** Power on your TV/display and all connected HDMI source devices.

6. Operating Instructions

6.1 Switching HDMI Sources

- Automatic Switching:** The SP-HDA-510 is designed to automatically detect and switch to the active HDMI input source.
- Manual Switching (Device):** Press the "SELECT" button on the top of the unit to cycle through the HDMI input sources (IN-1, IN-2, IN-3). The corresponding LED will illuminate.
- Manual Switching (Remote Control):** Use the dedicated input selection buttons on the included remote control to directly select the desired HDMI input.

6.2 Audio Output Modes

The SP-HDA-510 supports various audio output modes. You can select the desired mode using the "AUDIO SELECT" button on the rear panel or the remote control.

- 2CH:** Stereo audio output. Suitable for 2-channel audio systems.
- 5.1CH:** 5.1 channel surround sound output.
- 7.1CH:** 7.1 channel surround sound output.
- eARC:** Enhanced Audio Return Channel. This mode allows audio from your TV (e.g., smart TV apps, broadcast TV) to be sent back to the SP-HDA-510 and then output to an eARC-compatible soundbar or audio receiver connected to the "Soundbar (eARC)" port. Ensure your TV and soundbar also support eARC for this functionality.

7. Maintenance

- Cleaning:** Use a soft, dry cloth to clean the surface of the device. Do not use liquid or aerosol cleaners.
- Storage:** If storing the device for an extended period, disconnect it from power and store it in a cool, dry place.

8. Troubleshooting

Problem	Possible Cause	Solution
No video or audio output.	<ul style="list-style-type: none">Power not connected.Incorrect input selected.Faulty HDMI cables.TV/display input not set correctly.	<ul style="list-style-type: none">Ensure power adapter is securely connected and plugged in.Press the 'SELECT' button on the unit or remote to cycle through inputs.Try different HDMI cables.Ensure your TV/display is set to the correct HDMI input.

Problem	Possible Cause	Solution
Intermittent screen blackouts (e.g., 2-3 seconds).	<ul style="list-style-type: none"> ◦ HDMI handshake issues. ◦ Cable quality or length. ◦ Power fluctuations. 	<ul style="list-style-type: none"> ◦ Try restarting all connected devices (source, SP-HDA-510, TV). ◦ Use high-quality, certified HDMI cables, especially for 4K signals. Keep cable lengths as short as possible. ◦ Ensure stable power supply.
eARC/ARC not working.	<ul style="list-style-type: none"> ◦ TV/Soundbar eARC/ARC not enabled. ◦ Incorrect HDMI port used on TV/Soundbar. ◦ Audio mode not set to eARC. 	<ul style="list-style-type: none"> ◦ Check your TV and soundbar settings to ensure eARC/ARC is enabled. ◦ Connect to the dedicated eARC/ARC HDMI port on your TV/Soundbar. ◦ Ensure the SP-HDA-510's audio mode is set to eARC.

9. Specifications

Model Number	SP-10102940 (SP-HDA-510)
Video Resolution	Up to 3840 x 2160 pixels (4K@60Hz)
HDMI Inputs	3
HDMI Outputs	2 (1x TV/HDMI/eARC, 1x Soundbar/eARC)
Audio Outputs	Optical (S/PDIF), Analog (3.5mm Jack), eARC via HDMI
Supported Audio Formats	2CH, 5.1CH, 7.1CH, eARC
Dimensions (L x W x H)	9 x 11 x 36 cm (approx. 3.54 x 4.33 x 14.17 inches)
Weight	156.33 Grams (approx. 0.34 lbs)
Power Supply	DC 5V (via included power adapter)
Color	Black

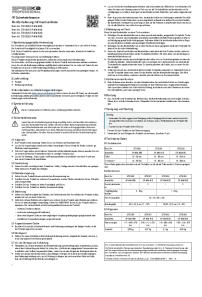
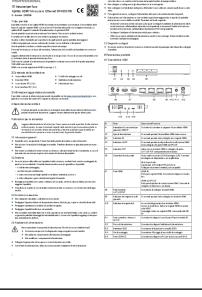
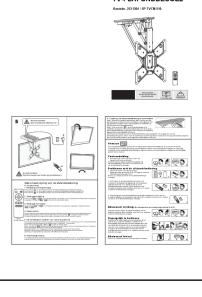
10. Warranty and Support

SpeaKa Professional provides a warranty for a minimum period of **2 years** from the date of purchase for this product. This warranty covers defects in materials and workmanship under normal use.

For technical support, troubleshooting assistance, or warranty claims, please contact your original retailer or visit the official SpeaKa Professional website for contact information.

Please retain your proof of purchase for warranty purposes.

Related Documents - SP-HDA-510

	<p><u>SpeaKa Professional HDMI eARC Audio Extractor (Model 2521199) - User Manual</u></p> <p>User manual for the SpeaKa Professional HDMI eARC Audio Extractor (Model 2521199), detailing its intended use, connections, operation, safety instructions, and technical specifications for audio and video signal extraction. Supports ARC/eARC and 4K 60Hz video.</p>
	<p><u>SpeaKa Professional Monitor Holder with Gas Pressure Spring: Safety, Use, and Technical Data</u></p> <p>Detailed safety instructions, intended use, handling, installation, maintenance, and technical specifications for SpeaKa Professional gas spring monitor holders (models SP-MM-900, SP-MM-910, SP-MM-920, SP-MM-930). Includes table specifications and warnings.</p>
	<p><u>SpeaKa Professional SP-HDS-700 HDMI Extender User Manual</u></p> <p>User instructions for the SpeaKa Professional SP-HDS-700 HDMI 1x4 Splitter over Ethernet cable, detailing setup, operation, and technical specifications.</p>
	<p><u>SpeaKa Professional Monitor Arm Safety and Technical Instructions</u></p> <p>Comprehensive safety and technical guide for SpeaKa Professional monitor arms, including installation, usage, and maintenance for models SP-MM-1000, SP-MM-990, SP-MM-980, and SP-MM-970.</p>
	<p><u>SpeaKa Professional Motorized TV Ceiling Mount SP-TVCM-510 User Manual</u></p> <p>User manual for the SpeaKa Professional SP-TVCM-510 motorized TV ceiling mount. Includes installation instructions, remote control operation, troubleshooting, and safety information.</p>

[Speaka Professional HDMI Wireless Transmitter/Receiver 150m 1080p User Manual](#)

Comprehensive operating instructions for the Speaka Professional HDMI wireless transmitter and receiver system (150m, 1080p, 5GHz). Covers setup, intended use, safety, troubleshooting, and technical specifications.