

## Sonero AVT115

# Sonero AVT115 4K HDMI Audio Extractor User Manual

Model: AVT115 | Brand: Sonero

## 1. INTRODUCTION

The Sonero AVT115 is a 4K HDMI Audio Extractor designed to separate audio signals from an HDMI source. It supports resolutions up to 4K/UltraHD/2160p at 60Hz. This device allows you to route AV signals from a source device, such as a Blu-ray player, to a monitor or TV, while simultaneously extracting the audio signal for connection to an amplifier or AV receiver via optical S/PDIF (Toslink) or to headphones/other audio devices via a 3.5mm jack. This enables simultaneous use of HD video and high-quality audio.

The extractor supports 5.1 surround sound audio extraction from the source signal, transmitting it to an amplifier or AV receiver with full support for Dolby 5.1 and DTS 5.1 for home theater systems. The additional 3.5mm jack output extracts and converts the audio signal to stereo left/right for headphones or other stereo audio devices.

## 2. PACKAGE CONTENTS

- 1x Sonero AVT115 4K HDMI Audio Extractor
- 1x User Manual
- 1x MicroUSB to USB Power Cable

## 3. SETUP AND CONNECTIONS

Follow these steps to connect your Sonero AVT115 HDMI Audio Extractor:

- 1. Connect the HDMI Source:** Connect your HDMI source device (e.g., Blu-ray player, game console) to the **HDMI INPUT** port on the audio extractor. The extractor features a 10 cm pigtail HDMI cable for easy connection.
- 2. Connect the HDMI Display:** Connect your HDMI display (e.g., TV, monitor) to the **HDMI OUTPUT** port on the extractor.
- 3. Connect Audio Output (Optical):** For 5.1 surround sound, connect an optical S/PDIF Toslink cable from the **TOSLINK OUTPUT** port on the extractor to the Toslink input on your amplifier or AV receiver. This provides high-quality multichannel audio.
- 4. Connect Audio Output (3.5mm Jack):** For stereo audio, connect headphones or another suitable audio device to the **3.5mm OUTPUT** jack on the extractor.

5. **Power Connection:** Connect the Micro USB power cable to the **MICRO-USB INPUT** port on the extractor and then to a 5V/1A USB power source (e.g., a USB port on your TV or a USB power adapter).



**Image 1:** The Sonero AVT115 HDMI Audio Extractor, showing its compact design and integrated pigtail HDMI input cable.



**Image 2:** The Sonero AVT115 connected between an Apple TV (source) and a television (display), with an optical audio cable connected for external audio output.

## 4. FEATURES

- **Video Resolution:** Supports HDMI resolutions up to 4K/UltraHD/2160p at 60Hz.
- **Bandwidth:** 600 MHz / 6 Gbps per channel (18 Gbps total bandwidth across all channels).
- **Color Depth:** Supports 12-bit 4K (60Hz), 12-bit 1080p (60 Hz), or 12-bit 720p/1080i (60Hz) video resolutions.
- **3D Support:** Compatible with 3D formats up to 600 MHz.
- **HDCP Compliance:** Compatible with HDCP 1.4 and 2.2 specifications.
- **Audio Support:**
  - Supports uncompressed audio formats like LPCM.
  - Supports compressed audio formats such as DTS and Dolby Digital.
  - Dual audio decoupling: Digital multichannel sound for 5.1/7.1 surround sound via optical S/PDIF (Toslink) and stereo output via a 3.5mm jack.
- **Power:** 5V power supply via Micro USB input.
- **CEC Support:** Yes.

- **EDID Support:** Yes.

## 5. SPECIFICATIONS

<b>Model Number</b>	AVT115
<b>Dimensions</b>	55 x 55 x 16 mm
<b>Weight</b>	55g
<b>Input</b>	HDMI, Micro USB
<b>Output</b>	HDMI, Optical S/PDIF (Toslink), 3.5mm Stereo Jack
<b>HDCP Support</b>	1.4 and 2.2
<b>CEC Support</b>	Yes
<b>EDID Support</b>	Yes
<b>Supported Resolutions</b>	Up to 4K/UltraHD/2160p @ 60Hz
<b>Power Consumption</b>	5V DC, 1A
<b>Operating Humidity</b>	10% to 85% (non-condensing)
<b>Operating Temperature</b>	0°C to 70°C
<b>Storage Temperature</b>	-10°C to 80°C

## 6. TROUBLESHOOTING

If you encounter issues with your Sonero AVT115, consider the following:

- **No Video/Audio Output:**

- Ensure all HDMI and audio cables are securely connected.
- Verify the power cable is connected and the device is receiving power.
- Check the input source selection on your TV/monitor and amplifier/AV receiver.
- Test with different HDMI cables or source devices to rule out cable or source issues.

- **Intermittent Picture/Signal Loss (especially with 4K/HDR):**

- Ensure you are using high-quality HDMI cables rated for 4K/HDR.
- Some devices or displays may have specific EDID requirements. The AVT115 supports EDID. If experiencing issues, try the EDID backup and recovery procedure (see below).

- **EDID Backup and Recovery (Advanced):**

This procedure can help resolve compatibility issues with certain displays or sources. Note that the instructions provided here are based on similar devices and may vary slightly. If issues persist, consult Sonero support.

- Enter Backup Mode:** Connect the extractor's pigtail HDMI (male port) to a PC. Connect the extractor's HDMI output (female port) to your monitor/TV. Unplug and re-plug the HDMI output cable once. The extractor should enter Backup Mode, and its LED will start to flash.
- Copy Monitor EDID:** While in Backup Mode (LED flashing), ensure the monitor/TV is connected to the extractor's HDMI female port. The extractor will then copy the EDID from the connected

monitor/TV.

c. **Recover Factory EDID:** While in Backup Mode (LED flashing), keep the extractor's HDMI female port empty for 10 seconds. The EDID in the extractor will then revert to its factory settings.

- **No 5.1 Surround Sound:**

- Ensure your source device is outputting a 5.1 audio signal.
- Verify your amplifier/AV receiver is correctly configured to receive 5.1 audio via the optical input.
- Check the optical cable for damage or improper connection.

## 7. SAFETY INFORMATION

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- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage or injury.
- Use only the provided power cable or a compatible 5V/1A USB power source.
- Keep the device away from children.
- Ensure proper ventilation around the device during operation.

## 8. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Sonero website. Keep your proof of purchase for warranty claims.