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Tensun TEN-HD069

Tensun 3RCA AV CVBS Composite & S-Video R/L Audio to HDMI Converter User Manual

Model: TEN-HD069

INTRODUCTION

This user manual provides detailed instructions for the Tensun 3RCA AV CVBS Composite & S-Video R/L Audio to HDMI Converter (Model: TEN-HD069). This device is designed to convert analog composite video (CVBS) and S-Video signals, along with R/L stereo audio, into a digital HDMI output. It supports output resolutions of 720p or 1080p at 60Hz, making it ideal for connecting older gaming consoles (such as PS2, PS3, NES, SNES, Nintendo 64) and other analog video sources to modern HDTVs or monitors.

PACKAGE CONTENTS



Image: Contents of the Tensun HDMI Converter package, including the converter unit, power adapter, RCA composite video cable, and S-Video cable.

Please verify that all items listed below are included in your package:

- Tensun 3RCA AV CVBS Composite & S-Video to HDMI Converter Unit
- DC 5V Power Adapter
- RCA Composite Video Cable (Yellow, White, Red)
- S-Video Cable
- User Manual

PRODUCT OVERVIEW

The Tensun HDMI Converter is a compact device designed for seamless integration of legacy analog video sources with modern HDMI displays. Its robust design ensures reliable performance.



Image: Front view of the Tensun HDMI Converter, showing the S-Video, CVBS (yellow), and R/L audio (white, red) input ports.

Front Panel: Input Ports

- **S-VIDEO Input:** Connects to S-Video output from source devices.
- **CVBS Input (Yellow):** Connects to composite video output from source devices.
- **L/R Audio Input (White/Red):** Connects to stereo audio output from source devices.



Image: Back view of the Tensun HDMI Converter, showing the DC 5V power input, CVBS/S-Video switch, 720/1080p switch, 3.5mm audio output, and HDMI output port.

Rear Panel: Output and Control Ports

- **DC 5V:** Power input port. Connect the provided power adapter here.
- **CVBS/S-VIDEO Switch:** Toggles between Composite Video and S-Video input sources.
- **720/1080P Switch:** Selects the HDMI output resolution (720p or 1080p).
- **AUDIO Output (3.5mm):** Provides an optional 3.5mm stereo audio output.
- **HDMI Output:** Connects to your HDMI display. This port carries both video and audio.

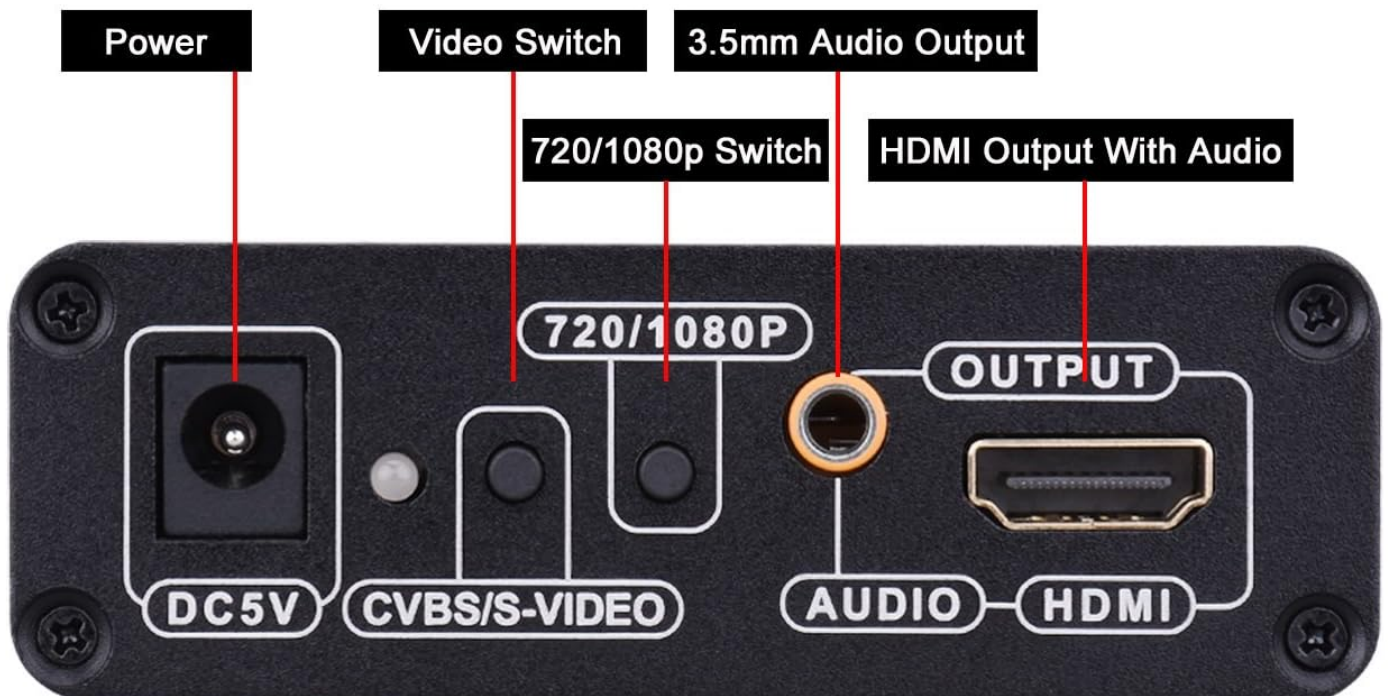
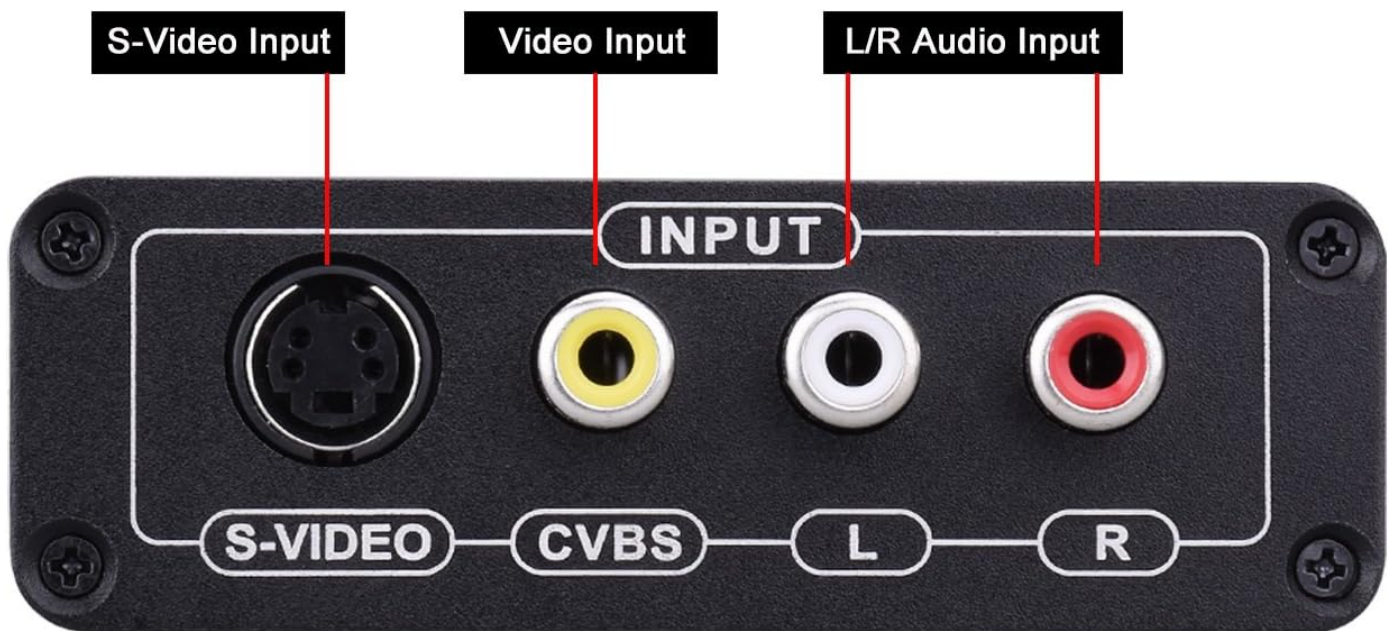


Image: Detailed labeled diagram of the input and output ports on the Tensun HDMI Converter for clear identification.

SETUP INSTRUCTIONS

Follow these steps to connect your Tensun HDMI Converter:

1. Connect Source Device:

For Composite Video (CVBS): Connect the yellow RCA cable from your source device (e.g., DVD player, gaming console) to the yellow "CVBS" input port on the converter. Connect the white and red RCA audio cables from your source device to the "L" (white) and "R" (red) audio input ports on the converter.

For S-Video: Connect the S-Video cable from your source device to the "S-VIDEO" input port on the converter. Connect the white and red RCA audio cables from your source device to the "L" (white) and "R" (red) audio input ports on the converter.

2. Connect to Display:

Connect an HDMI cable (not included) from the "HDMI Output" port on the converter to an available HDMI input port

on your HDTV, monitor, or projector.

3. Connect Power:

Connect the provided DC 5V power adapter to the "DC 5V" port on the converter, then plug the adapter into a standard electrical outlet.

4. Select Input Source on Converter:

Use the "CVBS/S-VIDEO" switch on the converter to select the appropriate input source (Composite or S-Video) based on your connected device.

5. Select Output Resolution:

Use the "720/1080P" switch on the converter to select your desired HDMI output resolution (720p or 1080p).

6. Select Input on Display:

Turn on your display device and select the corresponding HDMI input source to which the converter is connected.

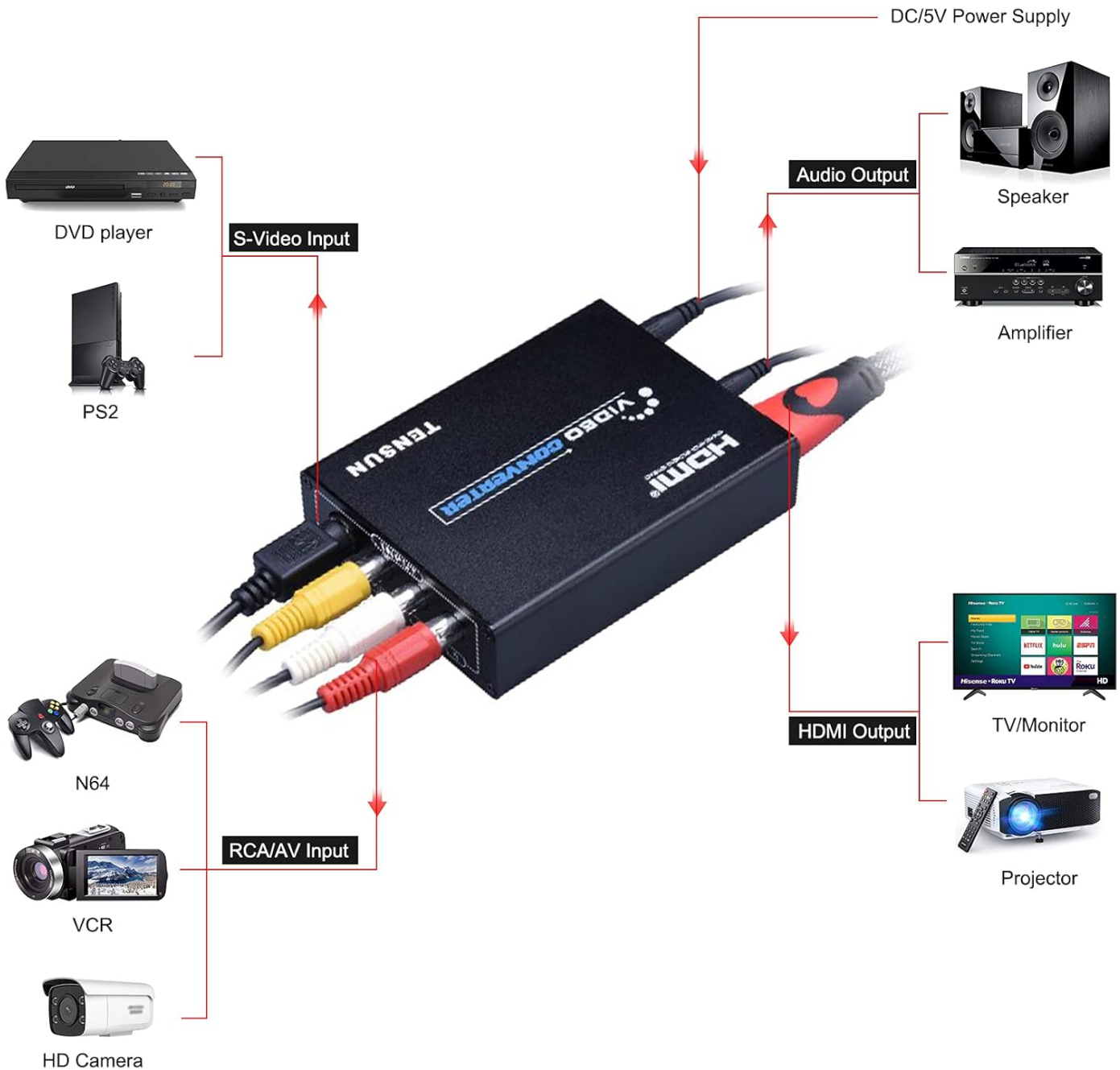


Image: Diagram illustrating the connection process for the Tensun HDMI Converter, showing inputs from various source devices (DVD player, PS2, N64, VCR, HD Camera) and outputs to a TV/Monitor or Projector.



Image: The Tensun HDMI Converter with all necessary cables connected, demonstrating a typical setup.

OPERATING INSTRUCTIONS

Once all connections are made and power is supplied, the converter operates automatically. The input signal and selected output resolution settings are auto-stored and will be retained even after power cycling.

- **Input Selection:** Use the "CVBS/S-VIDEO" button to switch between the Composite Video and S-Video inputs. Only one input can be active at a time.
- **Resolution Selection:** Use the "720/1080P" button to toggle the HDMI output resolution between 720p and 1080p.
- **Audio:** Both Composite Video and S-Video inputs share the same R/L audio input. The audio is embedded into the HDMI output and also available via the 3.5mm audio jack.



Image: The Tensun HDMI Converter actively converting video from an Atari classic game console to a modern display, demonstrating its functionality with retro gaming systems.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No picture on display.	<p>Loose cable connections.</p> <p>Incorrect input selected on converter.</p> <p>Incorrect HDMI input selected on display.</p> <p>No power to converter.</p> <p>Source device not outputting signal.</p>	<p>Check all cable connections (RCA, S-Video, HDMI, Power) are secure.</p> <p>Press the "CVBS/S-VIDEO" button to ensure the correct input is selected.</p> <p>Ensure your TV/monitor is set to the correct HDMI input channel.</p> <p>Verify the power adapter is properly connected and plugged into a working outlet.</p> <p>Ensure your source device (e.g., PS2, DVD player) is powered on and outputting a signal.</p>

Problem	Possible Cause	Solution
Poor picture quality (blurry, distorted).	Low quality source signal. Incorrect resolution setting. Cable issues.	The converter upscales analog signals; original signal quality impacts output. Try switching the "720/1080P" button to see if a different resolution improves clarity. Ensure you are using high-quality RCA/S-Video and HDMI cables.
No audio.	Loose audio cable connections. Audio settings on source device or display.	Check the white and red RCA audio cables are securely connected. Ensure the audio output on your source device is enabled. Check the volume and audio input settings on your display device.

SPECIFICATIONS

- **Input Ports:** 1 x S-Video, 1 x CVBS (RCA Yellow), 1 x L/R Audio (RCA White/Red)
- **Output Ports:** 1 x HDMI, 1 x 3.5mm Audio Jack
- **Input Video Systems:** NTSC, PAL
- **HDMI Output Resolution:** 720p/60Hz, 1080p/60Hz
- **Power Supply:** DC 5V
- **Product Dimensions:** 4.72 x 1.06 x 3.23 inches (120 x 27 x 82 mm)
- **Item Weight:** 5.7 ounces (161.6 grams)
- **Compatible Devices:** Gaming Consoles, DVD Players, VCRs, Camcorders, etc.

MAINTENANCE

To ensure the longevity and optimal performance of your Tensun HDMI Converter, please observe the following maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosol sprays.
- **Storage:** Store the converter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the unit to strong impacts.
- **Ventilation:** Ensure the unit has adequate ventilation and is not covered, to prevent overheating.
- **Power:** Always use the provided DC 5V power adapter. Disconnect power during lightning storms or when unused for long periods.

WARRANTY AND SUPPORT

Tensun products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Tensun website. Please retain your proof of purchase for warranty claims.

Manufacturer: Tensun



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