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HDSUNWSTD AV2HDMI Converter Cable Adapter

HDSUNWSTD Composite AV to HDMI Converter Cable Adapter User Manual

Model: AV2HDMI Converter Cable Adapter

1. INTRODUCTION

This user manual provides comprehensive instructions for the HDSUNWSTD Composite AV to HDMI Converter Cable Adapter. This device is designed to convert analog RCA composite (Yellow, White, Red) signals into a digital HDMI output, allowing older devices with AV outputs to connect to modern HDTVs or monitors. It supports 720P/1080P (60Hz) output resolutions.

The converter is ideal for connecting devices such as PS One, PS2, PS3, N64, Wii, Wii U, STB, VHS, VCR, and Blue-Ray DVD Players to HDMI-enabled displays.

2. PRODUCT OVERVIEW

The HDSUNWSTD AV to HDMI Converter Cable Adapter integrates the conversion unit directly into the cable, offering a compact and convenient solution. It features male RCA connectors for input and a male HDMI connector for output, along with a USB power port.



Figure 2.1: Overview of the HDSUNWSTD AV to HDMI Converter Cable Adapter and its USB power cable.

2.1 Package Contents

The package includes the following items:

- 1x HDSUNWSTD Composite AV to HDMI Converter Cable Adapter
- 1x USB Power Cable (adapter not included)



2.2 Key Features

- **Male RCA to HDMI Conversion:** Converts analog RCA composite (Yellow, White, Red) input to HDMI 720P/1080P (60HZ) output.
- **Plug and Play:** No additional drivers required for installation.
- **Integrated Design:** Converter unit is part of the cable for simplified connection.
- **Wide Compatibility:** Supports various legacy devices including PS One, PS2, PS3, N64, Wii, Wii U, STB, VHS, VCR, and DVD Players.
- **USB Powered:** Requires a 5V power source via the included USB cable.
- **Audio Synchronization:** Supports audio synchronization with video output.

2.3 Component Identification



Figure 2.3: Interface diagram of the converter.

1. **RCA Input Connectors (Yellow, White, Red):** Connect to the AV output ports of your source device. Yellow for video, White for left audio, Red for right audio.
2. **HDMI Output Connector:** Connect to the HDMI input port of your display.
3. **USB Power Port:** Connect the included USB power cable to a 5V power source.

4. **720P/1080P Switch:** A small switch on the converter unit to select the desired output resolution (720P or 1080P).

3. SETUP INSTRUCTIONS

Follow these steps to set up your HDSUNWSTD AV to HDMI Converter Cable Adapter:

1. **Connect RCA Input:** Plug the male RCA (Yellow, White, Red) connectors of the converter cable into the corresponding AV output ports of your source device (e.g., DVD player, game console).
2. **Connect HDMI Output:** Plug the male HDMI connector of the converter cable into an available HDMI input port on your HDTV or monitor.
3. **Connect USB Power:** Connect the included USB power cable to the USB power port on the converter unit. Then, plug the other end of the USB cable into a 5V USB power source (e.g., a USB wall adapter, TV USB port, or computer USB port). **Important:** Ensure the power source is 5V/500mA. Do not use power adapters exceeding 5V.



Figure 3.1: Connecting the USB power cable to the converter.

4. **Select Resolution:** Use the 720P/1080P switch on the converter unit to select your desired output resolution.



Figure 3.2: Resolution selection switch.

5. **Power On Devices:** Power on your source device and your HDMI display. Select the correct HDMI input on your display.

Note:

- This converter transfers video signals only; it does not improve video quality.
- It converts RCA/CVBS to HDMI. It cannot convert HDMI to AV.
- For PS2, ensure it is set to RGB output for proper functionality.

4. OPERATING INSTRUCTIONS

Once the setup is complete, operating the converter is straightforward:

1. Ensure all connections are secure and the converter is powered via USB.
2. Turn on your source device (e.g., game console, VCR).
3. Turn on your HDMI display and select the HDMI input port to which the converter is connected.
4. The video and audio from your source device should now be displayed on your HDMI screen.

Old TV Box connect TV with HDMI port



Figure 4.1: Example of connecting an old device to an HDMI TV.

N64 to HDMI TV Connected

Plug and Play
No need extra HDMI or Rca Cable



Figure 4.2: Connecting an N64 console to an HDMI TV.

5. TROUBLESHOOTING

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

- **No Signal/No Picture:**

- Ensure the USB power cable is connected to a 5V power source and the converter is receiving

power.

- Verify all RCA and HDMI connections are secure.
- Check that your TV/monitor is set to the correct HDMI input channel.
- Try switching the 720P/1080P resolution button on the converter.
- Confirm your source device is powered on and outputting an AV signal.

- **No Audio:**

- Ensure the White (Left Audio) and Red (Right Audio) RCA cables are correctly connected.
- Check the audio settings on your TV/monitor and source device.
- Try switching the 720P/1080P resolution button on the converter.

- **Distorted Picture/Poor Quality:**

- Remember that the converter transfers the existing video signal; it does not enhance quality. The output quality will depend on the input quality.
- Ensure the 720P/1080P switch is set to a resolution compatible with your display.
- Check for any loose connections.

- **Converter Not Working with PS2:**

- Ensure your PS2 console's video output settings are configured for RGB output.

6. SPECIFICATIONS

Product Parameters

Brand :	Wiistar
Name:	AV TO HDMI Converter
Length:	65cm
Power current:	5V500mA
Max Resolution:	1080P
HDMI Version:	HDMI1.4
Interface Type:	1* Male AV Input ,1*HDMI Output

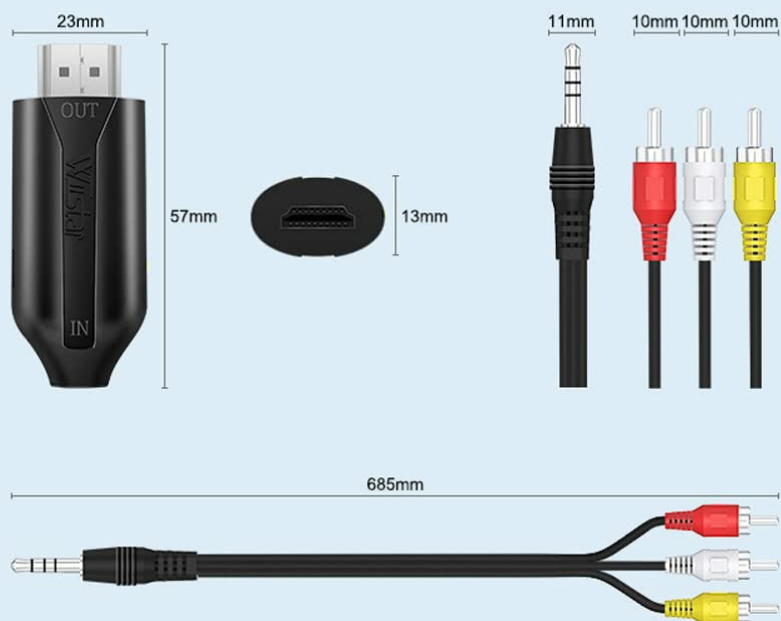


Figure 6.1 : Product Parameters.

Feature	Detail
Brand	HDSUNWSTD
Product Name	Composite AV to HDMI Converter Cable Adapter
Model Number	AV2HDMI Converter Cable Adapter
Input Ports	1x RCA Male (Yellow, White, Red)
Output Ports	1x HDMI Male (1080p/60HZ)
Supported Resolutions	720P, 1080P (60Hz)
Power Supply	5V/500mA via Micro USB
Cable Length	Approximately 65 cm (25.6 inches)
Product Dimensions	Converter unit: 0.79 x 0.39 x 0.79 inches (approx.)
Weight	1.45 ounces (approx.)

7. MAINTENANCE

The HDSUNWSTD AV to HDMI Converter Cable Adapter requires minimal maintenance:

- Keep the device in a dry environment, away from moisture and extreme temperatures.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Avoid bending the cables sharply or applying excessive force to the connectors.
- Disconnect the power when not in use for extended periods.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the HDSUNWSTD official website or contact your retailer. Keep your purchase receipt for warranty claims.

For common issues, please consult the Troubleshooting section of this manual.