GANA FBA_LYSB01L8GG6PW-ELECTRNCS

GANA RCA to HDMI Converter User Manual

Model: FBA_LYSB01L8GG6PW-ELECTRNCS | Brand: GANA

1. INTRODUCTION

The GANA RCA to HDMI Converter is designed to convert analog composite (RCA) signals into digital HDMI signals. This allows older devices with RCA outputs to be connected to modern HDTVs or monitors that only have HDMI inputs. It supports 1080p (60Hz) output and is compatible with various TV formats including PAL and NTSC.

2. KEY FEATURES

- Converts analog composite input to HDMI 1080p (60HZ) output.
- Supports HDMI 1080p or 720p output.
- Provides advanced signal processing for improved precision, colors, resolutions, and details.
- Plug and play functionality, no drivers required.
- Supports PAL, NTSC3.58, NTSC4.43, SECAM, PAL/M, PAL/N standard TV formats input.
- Outputs audio synchronized with video.
- High bandwidth capability for 1920x1080@60Hz display.

3. PACKAGE CONTENTS

- 1x AV to HDMI Converter
- 1x USB Cable (for power)
- 1x User Manual (this document)

4. SAFETY INFORMATION

Warning:

- Do not use in humid environments.
- Ensure the device is connected to a power source for proper operation.
- Make sure your display device has an HDMI connector.

5. SETUP GUIDE

Follow these steps to connect your GANA RCA to HDMI Converter:

1. **Connect RCA Cables:** Plug the yellow (video), white (left audio), and red (right audio) RCA cables from your source device (e.g., DVD player, game console, VCR) into the corresponding "INPUT" ports on the GANA converter.

Image: Front view of the GANA RCA to HDMI converter showing the yellow, white, and red RCA input ports.

2. **Connect HDMI Cable:** Connect one end of an HDMI cable to the "OUTPUT" port on the GANA converter and the other end to an HDMI input port on your HDTV or monitor.

Image: Side view of the GANA RCA to HDMI converter highlighting the HDMI output port.

3. **Connect USB Power:** Connect the included USB power cable to the "USB/POWER" port on the converter and then to a 5V USB power source (e.g., a USB wall adapter, TV USB port, or computer USB port). The device requires external power to function.

Image: Another side view of the converter showing the USB power input and the 720p/1080p switch.

4. **Select Output Resolution:** Use the switch on the converter to select either 720p or 1080p output

resolution, depending on your display's capabilities and preference.

5. **Power On Devices:** Turn on your source device and your display device. Select the correct HDMI input on your TV/monitor.
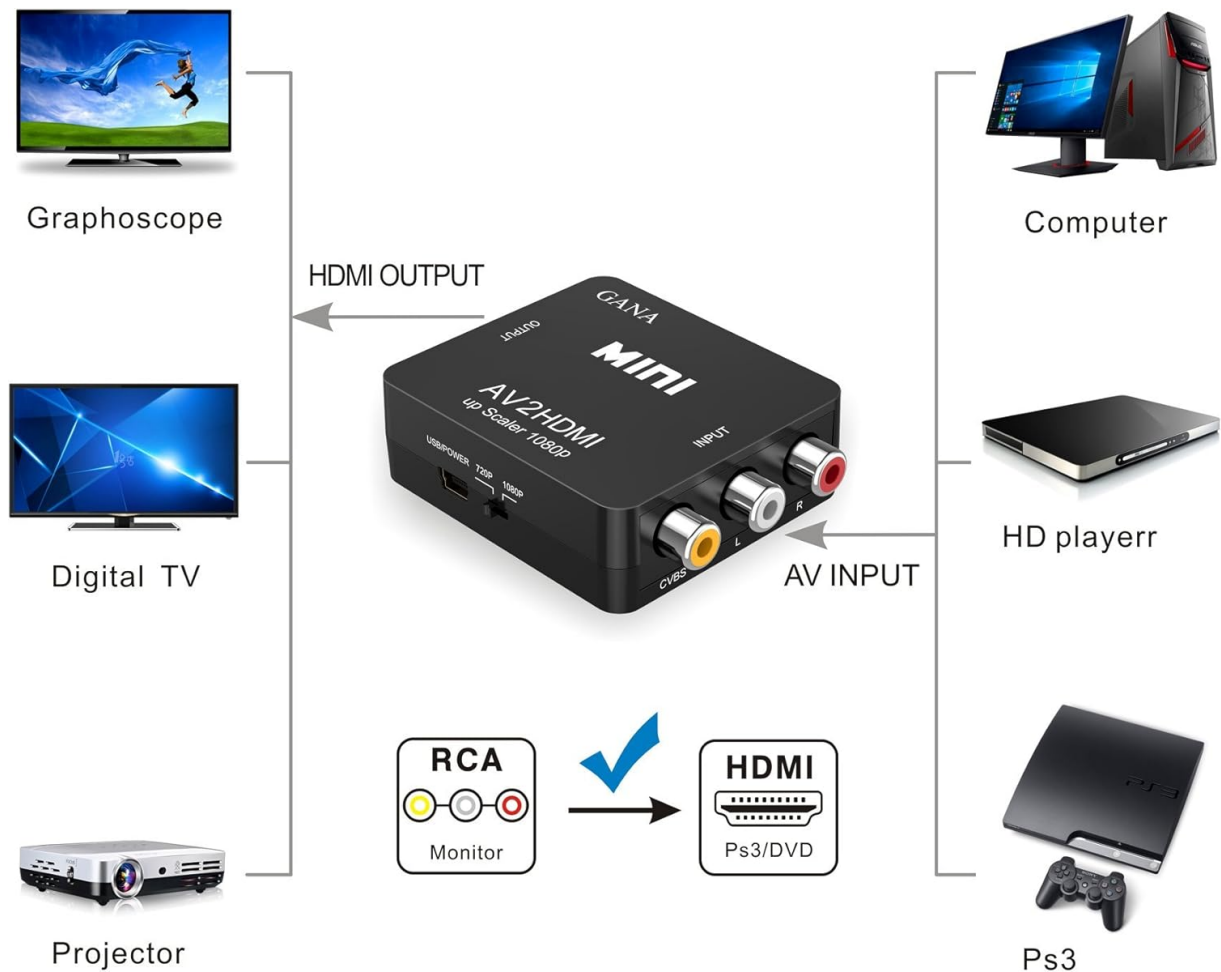
Connection Diagram:

Image: A comprehensive diagram illustrating the connection flow from RCA source to the converter, then to an HDMI display, including power connection.

6. OPERATING INSTRUCTIONS

Once all connections are made and devices are powered on, the converter will automatically detect and convert the composite signal to the selected HDMI output resolution (720p or 1080p).

- **Signal Conversion:** The converter performs analog to digital conversion using 10 bits maximal 162MSPS sampling, black/white level expansion, color transition improvement, dynamic range expansion, and blue stretch to enhance video quality.
- **Automatic Detection:** It auto-detects and auto-converts the composite signal to the chosen 1080p (60Hz) or 720p (60Hz) output.
- **NTSC/PAL Compatibility:** The converter is compatible with PAL, NTSC3.58, NTSC4.43, SECAM, PAL/M, PAL/N standard TV formats.

Example Usage:

Image: Diagram illustrating common applications for the converter, such as connecting DVD players, cable boxes, game consoles (PS3), PCs/Laptops, and cameras to HDMI displays like TVs, monitors, and projectors.

Video Demonstration:

No official product videos are available for embedding at this time.

7. MAINTENANCE

- Keep the converter in a dry environment to prevent damage.
- Clean the device with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- Disconnect the power cable when the device is not in use for extended periods to prevent potential issues from continuous heat generation, as suggested by user feedback.
- Ensure all cables are securely connected to maintain optimal signal quality.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution

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No picture/signal on TV	No power to converter; incorrect input selected on TV; loose cable connections; incompatible resolution.	Ensure USB power cable is connected and converter is powered on. Select the correct HDMI input on your TV. Check all RCA and HDMI cable connections. Try switching between 720p and 1080p resolutions on the converter.
Poor picture quality (blurry, distorted colors)	Low quality source signal; faulty cables; incorrect resolution setting.	Ensure your source device is outputting a clear signal. Try different RCA or HDMI cables. Adjust the resolution switch on the converter. Note that the converter upscales analog signals, and original low-resolution content may not appear as sharp as native HD content.
No audio	Audio RCA cables not connected; TV audio settings; faulty audio cables.	Ensure white (L) and red (R) audio RCA cables are securely connected. Check your TV's audio settings. Try different audio cables.
Converter gets warm during use	Normal operation; insufficient ventilation.	It is normal for the device to generate some heat. Ensure it is placed in a well-ventilated area and not covered. Disconnect when not in use for extended periods.

9. SPECIFICATIONS

Feature	Detail
Input Ports	1x RCA (Yellow, White, Red), USB power
Output Ports	1x HDMI (standard)
NTSC/PAL Compatibility	Yes
Composite Input Support	PAL, NTSC3.58, NTSC4.43, SECAM, PAL/M, PAL/N
HDMI Output	1080p/60Hz, 720p/60Hz
Dimensions (mm)	66(D)x55(W)x20(H)
Weight (g)	40g
Power Source	USB Port
Product Dimensions (inches)	6.1 x 3.54 x 0.79 inches
Item Weight (ounces)	1.34 ounces
Color	Black
Compatible Devices	PC, Camera, TV
Connector Type	RCA, HDMI

10. WARRANTY AND SUPPORT

GANA provides a lifetime warranty without any hassle. Professional and friendly customer service is available to help solve your problems within 24 hours.

For further assistance, please refer to the contact information provided with your product packaging or visit the official GANA support website.