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Portta N3RHX-2

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INTRODUCTION

The Portta Component to HDMI Converter (Model N3RHX-2) is designed to convert analog YPbPr video and R/L audio signals into a digital HDMI output. This device allows you to connect older gaming consoles, DVD players, and other YPbPr-enabled devices to modern HDTVs, monitors, or projectors that only support HDMI inputs. It supports resolutions up to 1080p at 60Hz, providing a clear and stable signal for your legacy equipment.



Image: The Portta Component to HDMI Converter, a compact black device with YPbPr and R/L audio input ports on one side and an HDMI output port on the other.

PACKAGE CONTENTS

- Component to HDMI Converter (x1)
- USB-A to USB-C Power Cable (x1)
- User Manual (x1)

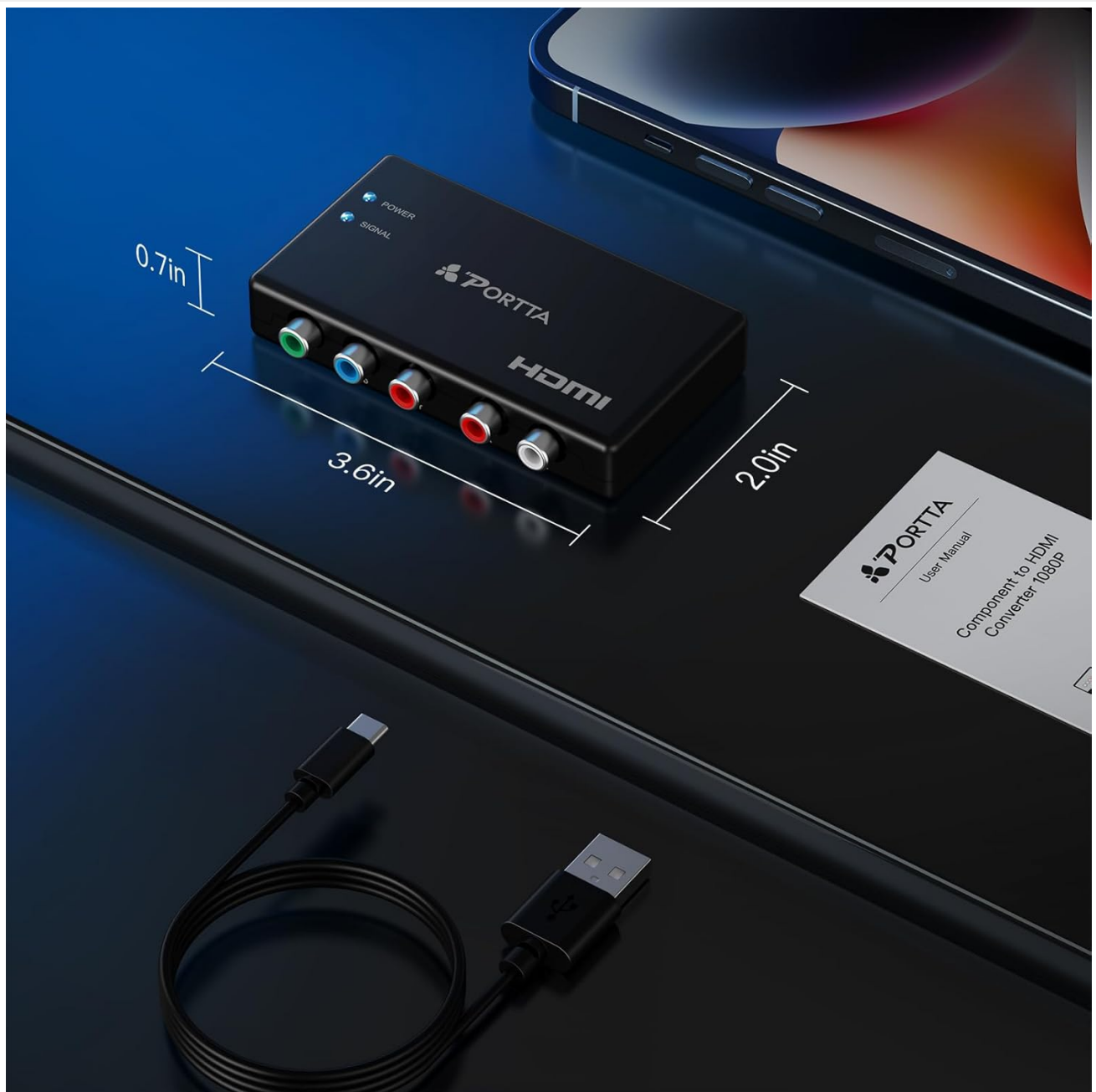


Image: The Portta Component to HDMI Converter, a USB-A to USB-C power cable, and a user manual, laid out next to a smartphone for scale, showing the compact size of the converter.

SETUP INSTRUCTIONS

1. **Connect YPbPr Source:** Connect the YPbPr (green, blue, red) video cables and R/L (red, white) audio cables from your source device (e.g., PS2, Wii, DVD player) to the corresponding input ports on the Portta Component to HDMI Converter.
2. **Connect HDMI Display:** Connect an HDMI cable from the HDMI output port of the converter to an HDMI input port on your HDTV, monitor, or projector.
3. **Power On:** Connect the provided USB-A to USB-C power cable to the converter's USB-C power port and plug the USB-A end into a suitable USB power source (e.g., a USB port on your TV, a wall adapter, or the source device if available). The blue "POWER" and "SIGNAL" indicator lights on the converter will illuminate.
4. **Select Input:** On your HDMI display, select the correct HDMI input source to view the converted signal.

Important Note: This converter is designed for YPbPr to HDMI conversion only. It does **NOT** support HDMI to YPbPr conversion (reverse use).



Image: A detailed view of the Porta Component to HDMI Converter, highlighting the YPbPr (green, blue, red) and R/L audio (red, white) input ports, the USB-C power port, and the HDMI output port. Blue indicator lights for Power and Signal are visible.

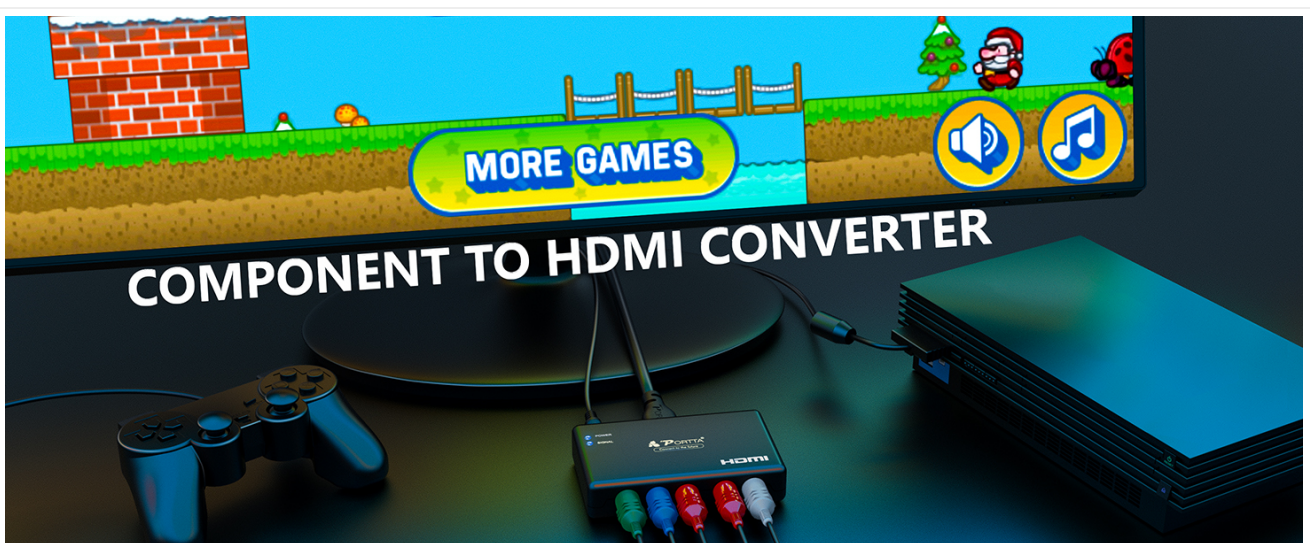


Image: A diagram illustrating the connection flow: a game console (like a PS2) connected via component cables to the Porta converter, which then connects via an HDMI cable to a modern television, displaying a game.

OPERATING INSTRUCTIONS

Once all connections are made and the converter is powered on, your YPbPr source device's video and audio will be automatically converted and displayed on your HDMI screen. The converter supports a wide range of resolutions for both HDMI and Component devices, including 480i, 480p, 576i, 576p, 720p, 1080i, and 1080p. It supports 8-bit deep color and uncompressed 2-channel LPCM audio.

This device operates on a plug-and-play basis, requiring no additional driver installation. Ensure your source device is set to output a Component (YPbPr) signal for optimal performance.



Image: A television displaying a racing game from an older console, connected via the Portta Component to HDMI Converter, demonstrating 1080p 60Hz output.



Image: A graphic titled "Wide Resolution For Retro Devices" listing supported resolutions: 480i/480p, 576i/576p, 720p/720p, 1080i/1080p, with checkmarks next to each, indicating compatibility.

MAINTENANCE

To ensure the longevity and optimal performance of your Portta Component to HDMI Converter, follow these maintenance guidelines:

- Keep the device in a cool, dry place away from direct sunlight, heat sources, and moisture.
- Clean the device with a soft, dry cloth. Avoid using liquid or aerosol cleaners.
- Ensure proper ventilation around the converter to prevent overheating.
- Avoid bending or stressing the cables and connectors excessively.

TROUBLESHOOTING

• No Signal / Blank Screen:

- Ensure all cables (YPbPr, R/L audio, HDMI, and power) are securely connected.
- Verify that the converter is powered on (blue "POWER" light is illuminated).
- Check if your display is set to the correct HDMI input source.
- Confirm that your source device is outputting a YPbPr signal. Some devices may default to composite video (yellow RCA), which is not supported by this converter. This converter requires a 5-RCA component input (green, blue, red for video; red, white for audio).
- Try a different HDMI cable or YPbPr cable to rule out cable issues.
- If using a Blu-ray player or DVD player, ensure the video output is set to Component (YPbPr) in the device's settings (e.g., Settings > Video Output > Component).

• Distorted or Incorrect Colors:

- Check that the YPbPr cables are connected to the correct color-coded ports (Green to Green, Blue to Blue, Red to Red). Incorrect connections can lead to black & white, green tint, or red tint images.
- Ensure the component cable length is not excessively long. For optimal image quality, a length of less than 1.8 meters is recommended for the component cable.

• No Audio:

- Ensure the R/L audio cables (red and white) are correctly connected to the converter.

- Check the audio settings on your source device and HDMI display.
- **"Cannot be used as an HDMI to Component Converter"**: This device is unidirectional. It converts Component (YPbPr) to HDMI. It cannot convert HDMI to Component. Attempting to use it in reverse will result in no signal.
- **HDCP Protection**: This converter does not support HDCP-protected content. Use only non-HDCP-protected Blu-ray Discs or DVDs.
- **Region Code Restriction**: Ensure the region code of the disc matches the Blu-ray/DVD player.

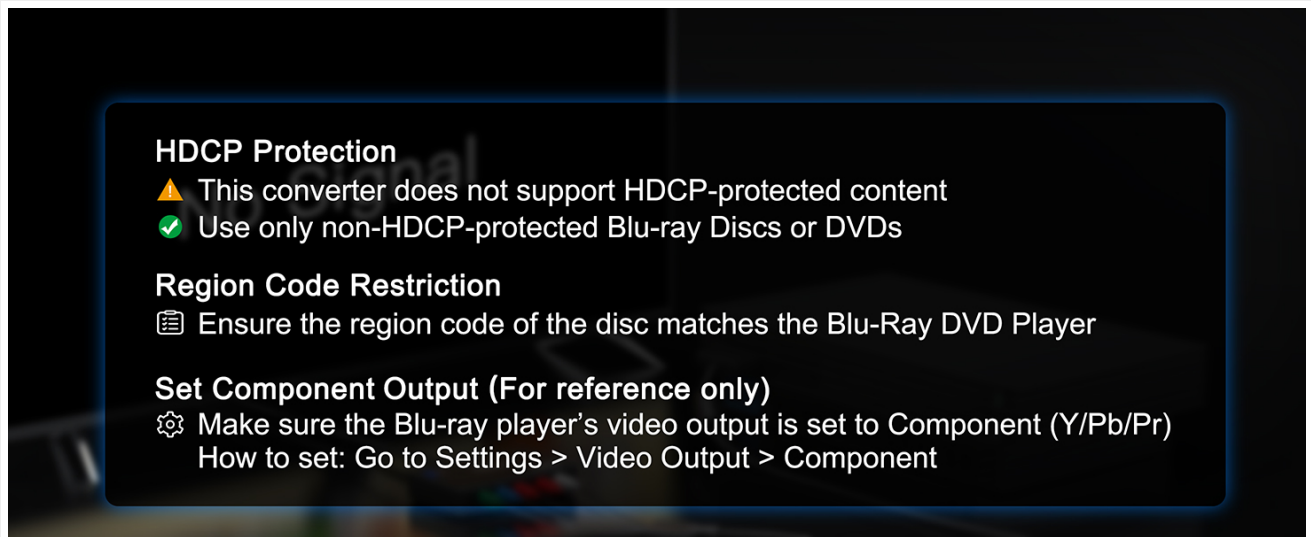


Image: A graphic titled "Important Notice" detailing HDCP Protection (converter does not support HDCP-protected content, use non-HDCP Blu-rays/DVDs) and Region Code Restriction (ensure disc region matches player).

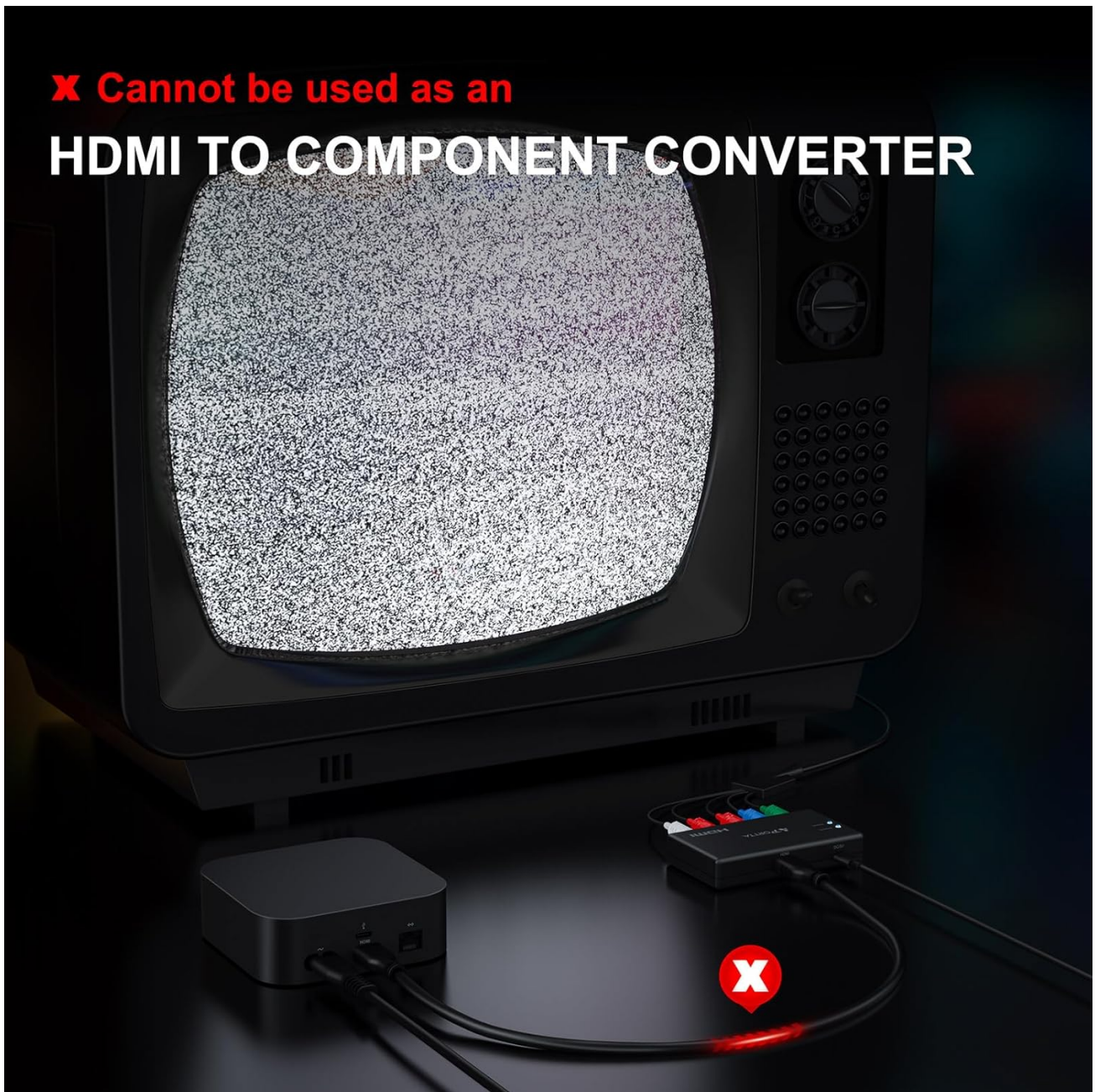


Image: A visual representation indicating that the Porta converter cannot be used to convert HDMI to Component, showing a red 'X' over an incorrect connection setup.



Image: A side-by-side comparison showing "Normal Image Quality" with a short component cable (less than 1.8m) and a "Noisy Image Quality" with an excessively long component cable, illustrating the impact of cable length on signal integrity.

SPECIFICATIONS

Model Number	N3RHX-2
Input Ports	YPbPr (Component Video), R/L Audio
Output Ports	HDMI
HDMI Version	1.3
Supported Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p @ 60Hz
Audio Format	Uncompressed 2 Channel LPCM
Deep Color Support	8-bit
Bandwidth	165MHz/1.65Gbps per channel
Power Supply	USB-A to USB-C Power Cable (included)
Dimensions (L x W x H)	3.61 x 2.23 x 0.69 inches
Weight	43.6 Grams
Compatibility	PS2, PS3, Wii, Blu-ray player, DVD, HDTV, Projector, Monitor etc.

WARRANTY AND SUPPORT

The Portta Component to HDMI Converter comes with a hassle-free **2-year warranty** and lifetime technical support. If you encounter any issues or have questions regarding the product, please feel free to reach out to Portta customer service for assistance.

For further information or support, please visit the official Portta store: [Portta Store on Amazon](#).