

Portta CHR202P-U3

Portta VHS to Digital Converter Instruction Manual

Model: CHR202P-U3

1. INTRODUCTION

The Portta VHS to Digital Converter (Model CHR202P-U3) is designed to convert analog video and audio signals into digital formats. This device allows you to preserve content from various analog sources such as VHS tapes, VCRs, DVRs, DVDs, Hi8 camcorders, Mini DV tapes, and retro gaming consoles by converting them into MP4 video or MP3 audio files. It features a 5-inch HD screen for real-time preview and playback, and supports direct storage to a USB drive or TF card.



Image 1.1: The Portta VHS to Digital Converter unit, showing the 5-inch display, control buttons, remote control, and included USB flash drive.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Video Recorder (Portta CHR202P-U3) x1
- USB 3.0 Flash Drive (128GB) x1
- Power Adapter x1
- USB Type-A to Type-C Cable x1
- Remote Control x1 (2*AAA Batteries Not Included)
- AV Cable (RCA) x1
- YPbPr Cable (Component) x1
- 3.5mm Audio Cable x1
- User Manual x1



Image 2.1: All components included in the Portta VHS to Digital Converter package, laid out for inspection.

3. PRODUCT OVERVIEW

Familiarize yourself with the various ports and controls on the Portta VHS to Digital Converter.



Image 3.1: Detailed diagram illustrating the front, side, and top panel components and their functions, including input/output ports, control buttons, and the 5-inch screen.

3.1 Front Panel

- **5-inch HD Screen:** Displays video preview, recorded content, and menu options.
- **Volume +/- Buttons:** Adjusts the audio output volume.
- **Menu/Home Button:** Accesses the main menu or returns to the home screen.
- **Backward Button:** Navigates back in menus or during playback.
- **Power ON/OFF Button:** Turns the device on or off.
- **REC/STOP Button:** Initiates or stops recording.
- **Snapshot Button:** Captures a still image from the video.
- **Input Selection Button:** Cycles through available input sources (AV, YPbPr, AUX).
- **Navigation (OK) Buttons:** Used for menu navigation and selection.

3.2 Side and Top Panels

- **To PC Port:** USB-C port for connecting to a computer for data transfer or use as a capture device.

- **12V/1A Power Port:** Connects to the included power adapter.
- **HDTV Output:** HDMI output for connecting to an external display.
- **AV/CVBS Input:** RCA composite video (yellow) and stereo audio (red/white) input.
- **YPbPr Input:** Component video (red, green, blue) and stereo audio (red/white) input.
- **AUX 3.5mm Input & Output:** 3.5mm jack for auxiliary audio input or output.
- **USB Slot:** For connecting USB flash drives or external hard drives.
- **TF Card Slot:** For inserting TF (MicroSD) cards.
- **Built-in Speaker:** For audio playback.
- **IR Receiver:** For remote control operation.

4. SETUP GUIDE

Follow these steps to set up your Portta VHS to Digital Converter for first use. This example uses an AV input and a USB flash drive.

Quick Start Guide for VD22P



(Using AV Input and USB Flash Drive as an Example)



Step 1

Connect the included power adapter to the recorder. The recorder's built-in screen will turn on.

Step 2

Insert the USB flash drive into the USB port on the recorder. The USB LED indicator will remain lit, confirming a proper connection. We recommend using the NTFS format for best performance.

Step 3

Connect one end of the included AV cable to the CVBS, R and L input ports on the recorder, making sure the colors match. Connect the other end to the corresponding CVBS, R and L output ports on your device (e.g. VHS player, camcorder, etc.). Ensure the recorder's built-in screen displays the input source as CVBS. You can use the  button to switch between CVBS, YPbPr or AUX input sources.

Step 4

Playback on your input device (e.g. VHS player, camcorder). You can verify that the video and audio are properly received and output through the recorder's built-in screen and speaker.

Step 5

Press the  button to start recording. Recording time will appear on the screen, and the USB LED indicator will keep flashing.

Step 6

Once recording is complete, press the  button again to stop the recording. A "Saving..." message will appear on the built-in screen. If you need to use the Auto-Stop Timer function, please refer to page 15 of the included User Manual.

Step 7

Press the  button, navigate to the  section, and use the up/down arrows to select the video file you wish to preview. Press the  button to play the selected file.

Step 8

You can unplug the USB flash drive from the recorder and connect it to a PC or laptop for permanent storage and playback. For the best playback experience, we recommend using  VLC Media Player.

Image 4.1: Visual quick start guide demonstrating the connection process for an AV source (camcorder) to the converter and then to

a USB flash drive and computer.

1. **Connect Power:** Connect the included power adapter to the converter's 12V/1A Power Port and then to a power outlet. The device's built-in screen will turn on.
2. **Insert Storage:** Insert the USB flash drive into the USB port on the converter. The USB LED indicator will light up, confirming a proper connection. For optimal performance, format the USB drive to NTFS.
3. **Connect Source Device:** Connect one end of the appropriate AV cable (CVBS+R/L, YPbPr+R/L, or 3.5mm AUX) to the corresponding input ports on the converter, ensuring color matching. Connect the other end to the output ports of your source device (e.g., VHS player, camcorder). Ensure the converter's built-in screen displays the input source. Use the Input Selection button to switch between CVBS, YPbPr, or AUX inputs as needed.
4. **Verify Input:** Playback content on your input device (e.g., VHS player, camcorder). Verify that the video and audio are properly received and output through the converter's built-in screen and speaker.

5. OPERATING INSTRUCTIONS

5.1 Recording Video/Audio

The converter supports recording video in MP4 format and audio in MP3 format from various analog sources.

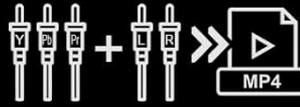
3 WAYS TO RECORD

Save in MP4 or MP3 format

Input Source Options



AV



YPbPr



AUX



PREVIEW & RECORD AT THE SAME TIME

Image 5.1: Illustration of the three primary input options (AV, YPbPr, AUX) for recording video (MP4) or audio (MP3) files.

1. **Start Recording:** Once the input source is displayed on the screen, press the **REC/STOP** button to begin recording. A recording indicator will appear on the built-in screen, and the USB LED indicator will flash.
2. **Stop Recording:** To stop recording, press the **REC/STOP** button again. A "Saving..." message will appear on the screen.
3. **Snapshot:** During recording or preview, press the **Snapshot** button to capture a still image.

Record 1080p@60Hz High Definition



Image 5.2: The Portta converter actively recording a video at 1080p@60Hz, with the content simultaneously displayed on a connected television.

5.2 Playback Recorded Files

You can play back recorded video and audio files directly on the converter's screen.

1. **Access Files:** Press the **Menu/Home** button, then navigate to the "Storage" or "Files" section using the navigation buttons.
2. **Select File:** Use the up/down arrows to select the desired video or audio file. Press **OK** to play the selected file.

5.3 System Settings

Access the system settings to configure various options.

- **Video-IN-Volume and AUX-IN-Volume:** Ensure these are unmuted for the selected input source in the settings (HOME -> Settings).
- **Image Settings:** Adjust brightness, contrast, and saturation to improve video quality, especially for older tapes.

- **Aspect Ratio:** Choose between 4:3 (classic) or 16:9 (modern) aspect ratios for video output.
- **Auto-Stop Timer:** Configure an automatic stop timer for recordings if needed. Refer to the full user manual for detailed instructions.



Image 5.3: Screenshot of the image settings menu, showing options for adjusting brightness, contrast, and saturation levels.

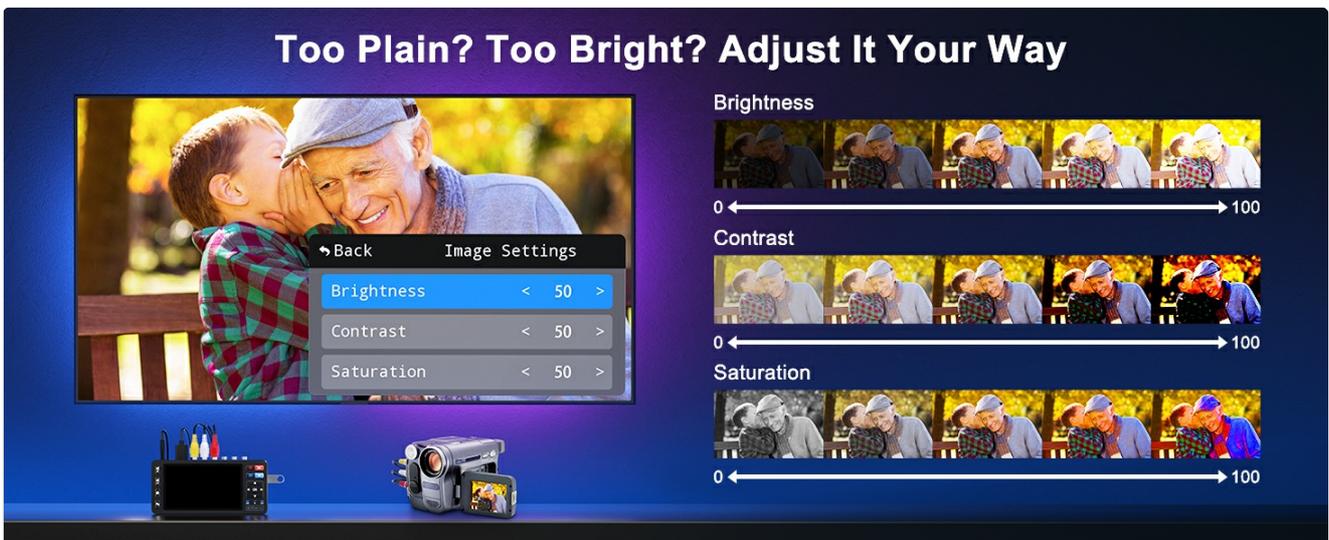


Image 5.4: Visual comparison demonstrating the difference between 4:3 and 16:9 aspect ratios for video display.

6. STORAGE OPTIONS

The Portta converter offers flexible storage solutions for your digitized content.

- **USB Flash Drive:** The device includes a 128GB USB 3.0 flash drive. You can use any compatible USB drive.
- **TF Card:** A TF (MicroSD) card slot is available for additional storage (TF card not included).
- **External Hard Drives:** Supports USB hard drives and SSDs. Drives over 5TB may require an external power source.

When both a USB drive and TF card are connected, the USB storage takes priority.

Support External Battery



Battery Not Included

Perfect for Sony NP-F Series
(F330 / F550 / F750 / F970 etc.)

Compatible with All Third-party NP-F Batteries

External Battery Solution for Portable Use

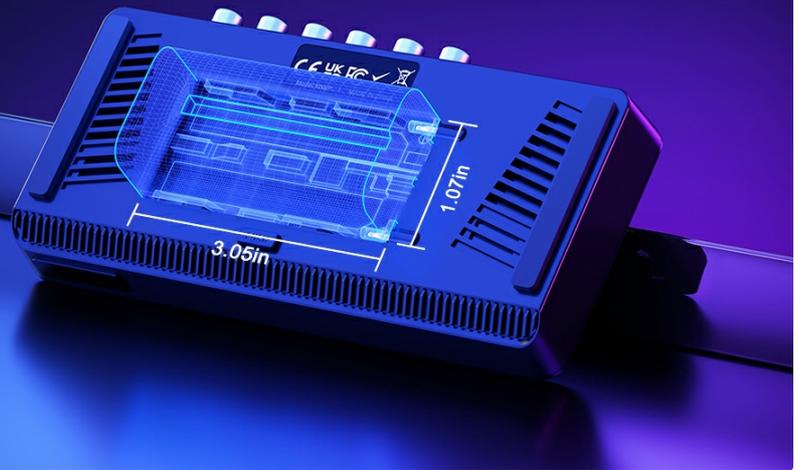


Image 6.1: Display of compatible storage devices including USB flash drives, TF cards, USB hard drives, and portable SSDs.

7. COMPATIBILITY

The Portta VHS to Digital Converter is compatible with a wide range of analog video and audio sources.

7.1 Input Sources

- VHS Players
- VCR Players
- DVR Players
- DVD Players
- Hi8 Camcorders
- Mini DV Camcorders
- Cassette Tape Players
- Retro Gaming Consoles (e.g., PS3, Wii, N64)
- Portable Players with analog output



Image 7.1: Visual representation of various analog devices, such as VHS players, VCRs, camcorders, and gaming consoles, that are compatible with the converter.

7.2 Video and Audio Formats

- **Video Output:** MP4 format, up to 1080P 60Hz recording resolution.
- **Audio Output:** MP3 format, up to 48KHz sampling rate with uncompressed 2-channel LPCM digital audio.
- **Supported TV Formats:** NTSC-M/J 3.58, NTSC 4.43, PAL B/G/H/I/D (PAL/N), SECAM. The device automatically detects the input source format.



Image 7.2: Illustrates the difference between PAL/SECAM (50Hz) and NTSC (60Hz) video formats, highlighting the converter's multi-format compatibility.

7.3 PC Connection (Capture Box Mode)

The device can function as a capture box when connected to a PC via the "To PC Port" (USB-C). It is optimized for OBS Studio (Windows only) and supports UVC/UAC standards.



Image 7.3: The Portta converter connected to a laptop, demonstrating its use as a capture device with OBS Studio for live streaming or advanced recording.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video/audio on screen	Incorrect input selection; loose cable connections; muted audio input.	Press the Input Selection button to cycle through inputs. Check all cable connections. In settings (HOME -> Settings), ensure Video-IN-Volume and AUX-IN-Volume are unmuted.
Recording fails or stops unexpectedly	Insufficient storage space; incompatible USB drive format; power interruption.	Ensure your USB drive or TF card has enough free space. Format the storage device to NTFS. Ensure a stable power supply.
Poor video quality (blurry, distorted)	Poor quality source material; incorrect image settings.	Adjust Brightness, Contrast, and Saturation in the Image Settings menu. Ensure the source device is playing back content clearly.
Remote control not working	Batteries not installed or depleted; obstruction to IR receiver.	Install 2*AAA batteries (not included). Replace old batteries. Ensure no objects are blocking the line of sight between the remote and the device's IR receiver.

9. SPECIFICATIONS

Feature	Detail
Model Number	CHR202P-U3
Product Dimensions	6.85 x 3.23 x 0.91 inches
Item Weight	7.9 ounces
Display	5-inch HD LCD Screen

Feature	Detail
Video Input	AV/RCA (CVBS+R/L), Component (YPbPr+R/L)
Audio Input	AUX-IN (3.5mm), RCA (R/L)
Video Output Format	MP4
Audio Output Format	MP3
Recording Resolution	Up to 1080P 60Hz
Supported TV Formats	NTSC-M/J 3.58, NTSC 4.43, PAL B/G/H/I/D (PAL/N), SECAM
Storage Media	USB Flash Drive (128GB included), TF Card, External USB HDD/SSD
PC Connection	USB-C (UVC/UAC compatible, optimized for OBS Studio on Windows)
Power Supply	12V/1A DC Adapter
Color	Black

10. MAINTENANCE

Proper care and maintenance will ensure the longevity of your Portta VHS to Digital Converter.

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts.
- **Power:** Always use the provided power adapter. Disconnect power when the device is not in use for extended periods.

11. WARRANTY AND SUPPORT

The Portta VHS to Digital Converter comes with a hassle-free 2-year warranty and lifetime technical support.

- **Warranty Period:** 2 years from the date of purchase.
- **Technical Support:** Lifetime technical support is available for all product-related inquiries.
- **Contact:** For any questions or support needs, please reach out to Portta customer service. Refer to the contact information provided in your product packaging or on the official Portta website.