Roland P-20HD

Roland P-20HD Slow-Motion Instant Video Replayer User Manual

Model: P-20HD

1. Introduction

The Roland P-20HD is an advanced slow-motion instant video replayer designed to enhance live sports productions. It offers an affordable and user-friendly solution for integrating professional replay capabilities into various production setups. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your P-20HD unit.
For optimal performance and longevity of your device, please read this manual thoroughly before use and retain it for future reference.

2. What's Included

Upon opening the package, please verify that all the following items are present:

- Roland P-20HD Video Instant Replayer Unit
- AC Adapter
- Power Cord
- Owner's Manual (this document)
- Roland 1 Year Limited Warranty Information

If any items are missing or damaged, please contact your Roland dealer or customer support immediately.

3. Setup Guide

Follow these steps to set up your Roland P-20HD:

1. **Power Connection:** Connect the provided AC adapter to the P-20HD's power input and then plug the power cord into a standard electrical outlet.

2. **Video Input:** Connect your HDMI camcorders or cameras to the P-20HD's HDMI input ports. The P-20HD offers seamless integration with most Roland A/V switchers.
3. **Video Output:** Connect the P-20HD's HDMI output to your display monitor or recording device.
4. **SD Card Insertion:** Insert a compatible SD card into the designated slot for recording and playback. Ensure the SD card is formatted correctly for optimal performance.
5. **Power On:** Press the power button to turn on the unit. The integrated color LCD will display the preview monitoring screen.



Figure 1: Front panel view of the Roland P-20HD, showing the integrated color LCD, input/output connections, and control buttons for live sports production.

4. Operating Instructions

The Roland P-20HD is designed for intuitive single-operator sports production. Here are key operational features:

- **Slow-Motion Instant Replay:** Utilize the dedicated controls for instant replay and variable speed playback to review critical moments during live events.
- **Simultaneous Recording and Playback:** The unit allows for continuous recording of events while simultaneously playing back previously captured footage.
- **Clip Playlist Builder:** Create highlight reels by building custom clip playlists. This feature is ideal for post-event summaries or mid-game recaps.

- **Integrated Color LCD:** Monitor your inputs and outputs directly on the built-in color LCD screen.
- **SD Card Recording:** Capture long events directly to low-cost and widely available SD cards. Ensure sufficient storage capacity for your production needs.
- **Intuitive Controls:** The P-20HD features clearly labeled buttons and a jog/shuttle wheel for precise control over playback and editing functions.

5. Maintenance

Proper maintenance ensures the longevity and reliable operation of your P-20HD unit:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. For the LCD screen, use a specialized screen cleaner and a microfiber cloth. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the P-20HD in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the Roland website for firmware updates. Keeping your device's firmware up-to-date can improve performance and add new features.
- **SD Card Care:** Regularly back up data from your SD cards. Format SD cards periodically to maintain optimal recording performance.

6. Troubleshooting

If you encounter issues with your P-20HD, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cord not connected, AC adapter faulty, power outlet issue.	Ensure power cord is securely connected. Test AC adapter with another device if possible. Try a different power outlet.
No video input signal	HDMI cable loose or faulty, input source not active, incorrect input selected on P-20HD.	Check HDMI cable connections. Ensure source device is powered on and outputting video. Verify correct input is selected on the P-20HD.
Recording issues	SD card full, SD card not formatted, incompatible SD card, faulty SD card.	Delete old files or use a new SD card. Format the SD card in the P-20HD. Use a recommended SD card type. Try a different SD card.
Playback stuttering	Slow SD card read speed, corrupted file.	Use a higher-speed SD card. Re-record the footage if possible.

If the problem persists after trying these solutions, please contact Roland customer support.

7. Specifications

Feature	Detail
Model Number	P-20HD
Dimensions (W x D x H)	14.9 x 12.5 x 7.2 inches

Feature	Detail
Weight	8.1 pounds
Color	Black
Recording Media	SD Card (specific types/speeds recommended, refer to Roland website)
Input/Output	HDMI (Input/Output)

Note: Specifications are subject to change without notice. For the most current information, please visit the official Roland website.

8. Warranty and Support

Warranty: The Roland P-20HD comes with a Roland 1 Year Limited Warranty. Please refer to the included warranty information card for full terms and conditions.
Customer Support: For technical assistance, service, or further inquiries, please visit the official Roland support website or contact your authorized Roland dealer. You can find contact information and FAQs on the Roland Global Support Page.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question