Solid Signal HYPERD/ST/DCHP

Blackmagic Design HyperDeck Studio HD Plus Recorder User Manual

Model: HYPERD/ST/DCHP | Brand: Solid Signal (Bundle)

Comprehensive guide for setup, operation, and maintenance of your HyperDeck Studio HD Plus.

INTRODUCTION

The Blackmagic Design HyperDeck Studio HD Plus is a professional broadcast deck designed for recording and playback of video. It includes advanced features such as 6G-SDI connectivity, allowing for recording and playback of ProRes up to Ultra HD 30 frames per second. This model also supports HDR (High Dynamic Range) and includes an SDI loop out. Its dual 6G-SDI outputs enable fill and key playback up to 1080p60. For monitoring, it provides an HDMI input and a dedicated 3G-SDI monitoring output with overlays. The unit features an upgraded front panel with improved transport control buttons, a headphone socket, and a built-in speaker. All front panel button presses are sent to a dedicated RS-422 remote output, and the DC power input is a broadcast-style XLR connector.

Image: The Blackmagic Design HyperDeck Studio HD Plus Recorder, shown with the included 6 ft power cord and a 5-pack of Solid Signal cable ties.

What's Included

Your package should contain the following items:

- Blackmagic Design HyperDeck Studio HD Plus Recorder
- 6 ft Power Cord
- 5-Pack Solid Signal Cable Ties

Image: The included 6 ft power cord and the 5-pack of Solid Signal cable ties.

Setup Guide

Follow these steps to set up your HyperDeck Studio HD Plus Recorder:

1. **Power Connection:** Connect the included 6 ft power cord to the broadcast-style XLR connector on the rear of the HyperDeck Studio HD Plus. Plug the other end into a suitable power outlet.

Image: Rear panel of the HyperDeck Studio HD Plus, highlighting the power input and various video/audio connections.

2. **Video Input:** Connect your video source to the HyperDeck using either the 6G-SDI input (BNC) or the HDMI 2.0 Type A input. This model supports ProRes recording up to Ultra HD 30fps via 6G-SDI.

   Note: Ensure your source device is compatible with the HyperDeck's supported video standards.

3. **Video Output (Monitoring):** For monitoring, connect a display to the dedicated 3G-SDI monitoring output (BNC) or the HDMI Type A 2.0 output. This output can display overlays.

4. **Storage:** Insert an SD card or connect an external disk via the USB Type-C port for recording. The unit supports recording of SD, HD, and 2K DCI formats.

5. **Timecode & Reference:** If synchronizing with other equipment, connect timecode and reference signals to the respective BNC inputs/outputs.

6. **Network Connection (Optional):** Connect an Ethernet cable for network control or file transfer, if supported by your workflow.

OPERATING INSTRUCTIONS

The HyperDeck Studio HD Plus features an intuitive front panel for easy operation.

Image: Front panel of the HyperDeck Studio HD Plus, displaying the transport controls, LCD screen, and input/menu buttons.

Front Panel Controls:

- **Transport Buttons:** Use the **REC** (red), **PLAY** (green), **STOP** (blue), **REW**, **FFWD**, and **SKIP** buttons for media control.
- **LCD Screen:** Displays video preview, timecode, recording status, and menu options.
- **Input Button:** Selects the active video input source.
- **Menu Button:** Accesses system settings and configuration options.
- **Search Knob:** Navigates through media and menu options.
- **Headphone Socket:** For audio monitoring.
- **Built-in Speaker:** Provides basic audio monitoring.

Recording:

1. Ensure a formatted storage medium (SD card or external disk) is inserted/connected.
2. Select the desired input source using the **INPUT** button.
3. Press the **REC** button to begin recording. The REC indicator will illuminate.
4. Press the **STOP** button to end recording.

Playback:

1. Use the **SEARCH** knob to navigate to the desired clip.
2. Press the **PLAY** button to start playback.
3. Use **REW**, **FFWD**, and **SKIP** buttons for navigation.
4. Press the **STOP** button to stop playback.

USB Webcam Feature:

The USB Type-C port allows the HyperDeck Studio HD Plus to function as a webcam. Connect the unit to your computer via USB-C, and it will be recognized as a video input device. This feature is compatible with video conferencing software like Zoom, Microsoft Teams, and Skype, as well as live streaming applications such as Open Broadcaster and XSplit Broadcaster.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation grilles are clear of obstructions to prevent overheating.
- **Firmware Updates:** Periodically check the Blackmagic Design website for firmware updates to ensure optimal performance and access to new features.
- **Storage:** When not in use, store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power cord not connected; Power outlet issue.	Ensure power cord is securely connected to the unit and a working power outlet.
No Video Input Detected	Incorrect input selected; Cable issue; Source device not outputting signal.	Verify correct input is selected on the HyperDeck. Check video cables and ensure source device is powered on and outputting video.
Recording Fails	Storage full; Incorrect media format; Media speed too slow.	Check available storage space. Ensure media is formatted correctly (e.g., ExFAT). Use recommended high-speed media for recording high-resolution formats.
No Audio	Audio not embedded in video signal; Volume too low.	Verify audio is present in the input video signal. Adjust volume on monitoring device or HyperDeck.

SPECIFICATIONS

Feature	Detail
Model	HYPERD/ST/DCHP
Brand	Blackmagic Design (via Solid Signal)
Video Inputs	1 x BNC, 6G-SDI; 1 x HDMI 2.0 Type A
Video Outputs	1 x BNC, 6G-SDI Loop-Out; 2 x BNC, 6G-SDI; 1 x HDMI Type A, 2.0; 1 x BNC, 3G-SDI (Monitor Out)

Feature	Detail
Other Ports	1 x USB Type-C (Webcam or External Recording); Timecode In/Out (BNC); Reference In (BNC); Ethernet; Remote In/Out (RS-422)
Supported Recording Formats	ProRes up to Ultra HD 30fps (via 6G-SDI); SD, HD, 2K DCI
HDR Support	Yes
Dimensions	16"L x 12"W x 4"H (approx.)
Item Weight	4.33 pounds (approx.)

WARRANTY INFORMATION

For detailed warranty information regarding your Blackmagic Design HyperDeck Studio HD Plus Recorder, please refer to the official documentation provided by Blackmagic Design or visit their official website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.
Note: This product is bundled by Solid Signal. Any specific warranty claims related to the bundle components (power cord, cable ties) should be directed to Solid Signal.

SUPPORT

For technical support, driver downloads, and the latest firmware updates for your Blackmagic Design HyperDeck Studio HD Plus, please visit the official Blackmagic Design support page:

Blackmagic Design Support

For inquiries related to the Solid Signal bundle components or purchase, please contact Solid Signal customer service.