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› Blackmagic Design HyperDeck Studio HD Plus Recorder User Manual

Blackmagic Design HYPERD/ST/DCHP

Blackmagic Design HyperDeck Studio HD Plus Recorder User Manual

Model: HYPERD/ST/DCHP

Brand: Blackmagic Design

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Blackmagic Design HyperDeck Studio HD Plus Recorder. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its performance. Keep this manual for future reference.



Image 1.1: Front view of the Blackmagic Design HyperDeck Studio HD Plus Recorder.

The HyperDeck Studio HD Plus is a professional broadcast deck designed for recording and playback of video. It features advanced connectivity and controls for integration into various production environments.

2. PRODUCT OVERVIEW

The Blackmagic Design HyperDeck Studio HD Plus is an advanced video recorder and player that builds upon the features of the Mini model. Its larger form factor accommodates additional controls and connections, enhancing its versatility for professional use. Key capabilities include 6G-SDI support for recording and playback of ProRes video up to Ultra HD 30fps, an SDI loop out, and HDR support. It also offers two 6G-SDI outputs for fill and key playback up to 1080p60, an HDMI input, and a dedicated 3G-SDI monitoring output with overlays. The front panel features upgraded transport control buttons, a headphone socket, and a built-in speaker. All front panel button presses are transmitted to a dedicated RS-422 remote output, and the device is powered via a broadcast-style XLR DC connector.

Key Features:

- 6G-SDI for recording and playback of ProRes up to Ultra HD 30fps.
- SDI loop out and HDR support.
- Two 6G-SDI outputs for fill and key playback up to 1080p60.
- HDMI input and dedicated 3G-SDI monitoring output with overlays.
- RS-422 remote output for front panel controls.
- Broadcast-style XLR DC power connector.
- Upgraded front panel with transport controls, headphone socket, and built-in speaker.
- USB webcam feature for compatibility with video software like Zoom, Microsoft Teams, Skype, Open Broadcaster, and XSplit Broadcaster.

3. SETUP

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

3.1 Power Connection

Connect the power cable to the broadcast-style XLR DC power input on the rear panel of the unit. Ensure the power source meets the device's voltage requirements.

3.2 Video and Audio Connections

The HyperDeck Studio HD Plus offers a variety of input and output options:

- **Inputs:**
 - 1 x BNC, 6G-SDI
 - 1 x HDMI 2.0 Type A
 - 1 x BNC, Timecode
 - 1 x BNC, Reference
- **Outputs:**
 - 1 x BNC, 6G-SDI Loop-Out
 - 2 x BNC, 6G-SDI
 - 1 x HDMI Type A, 2.0
 - 1 x USB Type-C (Webcam or External Recording of SD, HD, 2K DCI)
 - 1 x BNC, 3G-SDI (Monitor Out)
 - 1 x BNC, Timecode
 - 1 x BNC, Reference

Connect your video sources (cameras, switchers, etc.) to the appropriate SDI or HDMI inputs. Connect your monitors or other recording devices to the corresponding outputs.



Image 3.1: Rear panel connections of the HyperDeck Studio HD Plus.

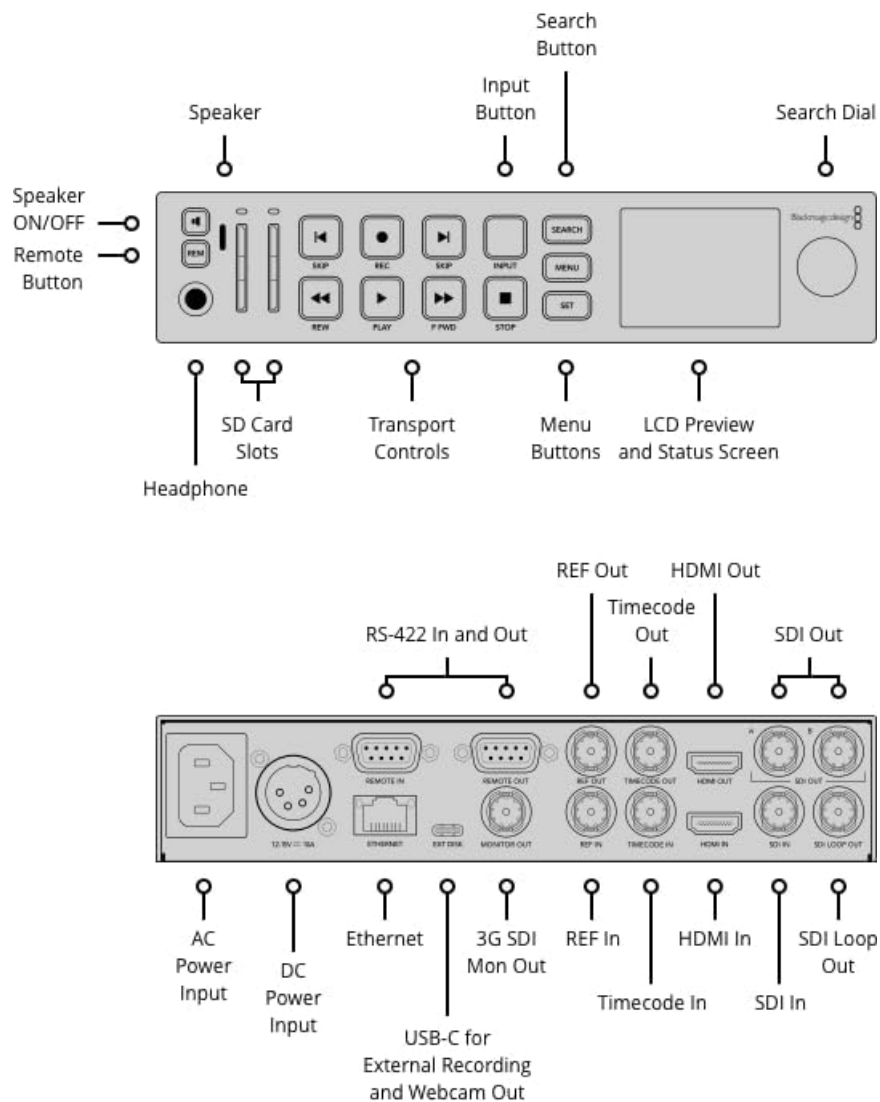


Image 3.2: Labeled diagram of the HyperDeck Studio HD Plus front and rear panels.

3.3 Media Insertion

Insert compatible SD cards into the SD card slots on the front panel for internal recording. Ensure the cards are formatted correctly for the HyperDeck.

4. OPERATING INSTRUCTIONS

This section details the operation of the HyperDeck Studio HD Plus.

4.1 Front Panel Controls

The front panel provides direct access to transport controls and other functions:



Image 4.1: Front panel of the HyperDeck Studio HD Plus.

- **Transport Controls:** Includes buttons for Rewind (REW), Play (PLAY), Fast Forward (F FWD), Stop (STOP),

Record (REC), Skip Back (SKIP), and Skip Forward (SKIP).

- **Search Dial:** Used for navigating through footage and menu options.
- **Input Button:** Selects the active video input.
- **Menu Button:** Accesses the device's settings menu.
- **Set Button:** Confirms selections within the menu.
- **Headphone Socket:** For audio monitoring.
- **Built-in Speaker:** Provides basic audio monitoring.
- **LCD Preview and Status Screen:** Displays video preview, timecode, and operational status.

4.2 Recording and Playback

To record, ensure a valid input signal is present and media is inserted. Press the **REC** button to start recording. Press **STOP** to end recording. To play back recorded media, use the **PLAY** button. Navigate through clips using the **SKIP** buttons or the **Search Dial**.

4.3 USB Webcam Feature

Connect the HyperDeck Studio HD Plus to a computer via the USB Type-C port. The device will be recognized as a webcam, allowing it to be used with various video conferencing and streaming software such as Zoom, Microsoft Teams, Skype, Open Broadcaster, and XSplit Broadcaster.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your HyperDeck Studio HD Plus.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure that the ventilation grilles are not obstructed to prevent overheating.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the Blackmagic Design website for firmware updates to ensure your device has the latest features and bug fixes.

6. TROUBLESHOOTING

If you encounter issues with your HyperDeck Studio HD Plus, refer to the following common troubleshooting steps:

- **No Power:** Ensure the XLR DC power connector is securely plugged into both the unit and a working power outlet. Verify the power source is active.
- **No Video Input:** Check all SDI and HDMI cable connections. Ensure the source device is powered on and outputting a signal. Verify the correct input is selected on the HyperDeck.
- **No Recording:** Confirm that a compatible SD card is inserted and properly formatted. Check available storage space on the media. Ensure the input signal is stable.
- **Audio/Video Sync Issues:** Verify that all connected devices are properly synchronized. Check timecode and reference connections if applicable.
- **Front Panel Unresponsive:** Try power cycling the unit. If issues persist, ensure no foreign objects are obstructing buttons.

For more complex issues or persistent problems, please refer to the official Blackmagic Design support resources or contact their customer service.

7. SPECIFICATIONS

Below are the technical specifications for the Blackmagic Design HyperDeck Studio HD Plus Recorder:

Feature	Specification
Model Number	HYPERD/ST/DCHP
Screen Display Size	2 Inches
Max Screen Resolution	UHD
Item Weight	3.28 pounds
Product Dimensions (LxWxH)	9.1 x 9.1 x 9.1 inches
Color	Black
Photo Sensor Technology	CMOS
Video Capture Resolution	1080p
Maximum Aperture	1.8 f
Flash Memory Type	SD
Video Capture Format	AVI
Supported Audio Format	PCM
Connectivity Technology	HDMI



8. WHAT'S IN THE BOX

The Blackmagic Design HyperDeck Studio HD Plus Recorder package includes:

- Main unit only

Please note that the power cord is not included and must be acquired separately.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please visit the official Blackmagic Design website or contact their customer support directly. Retain your proof of purchase for warranty claims.

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