

DJI CP.RN.00000183.01

DJI High-Bright Remote Monitor Instruction Manual

Model: CP.RN.00000183.01

1. INTRODUCTION

The DJI High-Bright Remote Monitor is an advanced monitoring solution designed for professional video production environments. It features a 7-inch, 1,500-nit high-bright touchscreen display with a wide color gamut and integrates an O3 Pro image transmission receiver. This device enables real-time monitoring, recording, and playback of video signals, offering remote parameter adjustment and control capabilities when paired with compatible DJI Ronin 4D Video Transmitters or DJI Video Transmitters.

2. SETUP

2.1 Unpacking

Carefully unpack all components and verify the contents against the list below:

- High-Bright Remote Monitor x1
- Remote Monitor Hood x1
- NP-F Battery Adapter (RX) x1
- WB37 Intelligent Battery x1
- WB37 Battery Charging Hub (USB-C) x1
- 1.5mm Ball-End Hex Key x1

2.2 Powering On

Insert the WB37 Intelligent Battery into the NP-F Battery Adapter (RX), then attach the adapter to the monitor. Press and hold the power button to turn on the device.

2.3 Connecting to a Transmitter

The DJI High-Bright Remote Monitor requires a DJI Ronin 4D Video Transmitter or DJI Video Transmitter for operation. Ensure your transmitter is powered on and properly configured. The monitor will automatically attempt to establish a connection. Refer to your transmitter's manual for specific pairing instructions.

2.4 Initial Configuration

Upon first use, you may need to perform screen color calibration and load custom 3D LUTs for optimal viewing. Navigate through the monitor's on-screen menu to access these settings.



Figure 1: Front view of the DJI High-Bright Remote Monitor, showcasing its 7-inch display and robust casing.

3. OPERATING INSTRUCTIONS

3.1 Basic Monitoring

The 7-inch, 1,500-nit high-bright touchscreen display provides clear and detailed video monitoring even in bright outdoor conditions. Use the touchscreen interface to navigate menus and adjust settings.

3.2 Recording and Playback

The monitor supports independent recording of 1080p/60fps H.264 footage directly to a microSD card. This allows for on-set sample editing without affecting the primary camera recording. Access the recording and playback functions through the monitor's menu.

3.3 Remote Control Capabilities

When used with compatible accessories such as DJI Hand Grips, DJI Master Wheels, DJI Force Pro, or the DJI Three-Channel Follow Focus, the monitor enables remote control over various camera and gimbal functions. These include focus control, high-precision gimbal control, starting/stopping of recording, and adjustment of camera parameters. The built-in gyro sensor also allows the monitor to function as a remote motion controller.

3.4 Signal Output

With the Remote Monitor Expansion Plate (sold separately), the monitor can output HDMI and SDI signals, allowing integration with other professional video equipment.

3.5 Image Transmission

The integrated O3 Pro image transmission receiver utilizes triple-band automatic frequency hopping (2.4 GHz, 5.8 GHz, and DFS) to automatically scan the electromagnetic environment and select the optimal wireless channel, ensuring stable and reliable video transmission.

3.6 Assistance Features

The monitor includes focus assistance and exposure assistance tools to aid in achieving precise image capture.



Figure 2: Back view of the DJI High-Bright Remote Monitor, showing the battery slot and ventilation.



Figure 3: The DJI High-Bright Remote Monitor displayed with its included accessories, such as the battery and charging hub.

4. MAINTENANCE

4.1 Cleaning

To clean the monitor screen, use a soft, lint-free cloth specifically designed for electronics. For the monitor body, use a dry or slightly damp cloth. Avoid using harsh chemicals, solvents, or abrasive materials.

4.2 Battery Care

The WB37 Intelligent Battery should be stored in a cool, dry place when not in use. Avoid fully discharging the battery for extended periods. Charge the battery regularly, even if not in use, to maintain its health. Use only the provided WB37 Battery Charging Hub (USB-C) for charging.

4.3 Software Updates

Periodically check the official DJI website for firmware updates. Keeping your monitor's software up-to-date ensures optimal performance and access to new features.

5. TROUBLESHOOTING

Issue	Possible Cause	Solution
Monitor does not power on	Low or depleted battery; incorrect battery installation.	Ensure the WB37 Intelligent Battery is fully charged and correctly inserted into the NP-F Battery Adapter (RX).
No video signal displayed	Transmitter not powered on or connected; signal interference; incorrect input settings.	Verify the DJI Video Transmitter is powered on and properly paired. Check for strong signal interference in the environment. Ensure the monitor's input settings match the transmitter's output.
Limited wireless transmission range or unstable connection	Environmental interference; obstructions; distance exceeding optimal range.	Operate in an open, interference-free environment. Reduce distance between monitor and transmitter. Allow the monitor's triple-band automatic frequency hopping to scan for optimal channels.
Video output is always 60p, regardless of input frame rate	This is a characteristic of the monitor's output processing.	The monitor outputs video at 60p. If specific fractional frame rates (e.g., 23.98p, 59.94p) are required for downstream equipment, external converters or alternative monitoring solutions may be necessary.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	9.45 x 27.17 x 0.98 inches
Item Weight	3.32 pounds
Model Number	CP.RN.00000183.01
Batteries	1 Lithium Polymer battery required (included)
Manufacturer	DJI
Brand	DJI
Special Feature	Ergonomic
Color	Black
Max Number of Supported Devices	10
Compatible Devices	Camera

7. WARRANTY AND SUPPORT

7.1 Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official DJI website. Warranty terms and conditions may vary by region and product. Protection plans may be available for purchase separately.

7.2 Customer Support

If you encounter any issues or have questions regarding your DJI High-Bright Remote Monitor, please contact DJI customer support through their official website or visit the [DJI Store on Amazon](#) for additional resources.

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