Hollyland Lark MAX 2

Hollyland Lark MAX 2 Wireless Lavalier Microphone Instruction Manual

1. Introduction

The Hollyland Lark MAX 2 is a professional-grade wireless lavalier microphone system designed for high-quality audio recording. Featuring AI noise cancellation, 32-bit float internal recording, and a long transmission range, it is suitable for various applications including video production, live streaming, and podcasting. This manual provides essential information for setting up, operating, and maintaining your device.

2. What's in the Box (Combo Version)

The Hollyland Lark MAX 2 Combo package includes the following components:

- Transmitter x 2
- Camera Receiver x 1
- USB-C Receiver x 1
- Charging Case x 1
- 3.5mm TRS to 3.5mm TRS Cable x 1
- USB-C to Lightning Cable x 1
- USB-C to USB-C Cable x 1
- USB-C to 3.5mm Adapter x 2
- Magnet x 2
- Magnetic Silicone Sleeve x 2
- Furry Windshield x 2

Image: All components of the Hollyland Lark MAX 2 Combo Version, including transmitters, receivers, charging case, cables, and accessories.

3. Product Overview

3.1. Discreet and Lightweight Design

The Hollyland Lark MAX 2 transmitter weighs only 14g, featuring an innovative Hover-Clip and Nano-Coated Material for secure and comfortable wear. It can be clipped or worn with a magnet for discreet placement.

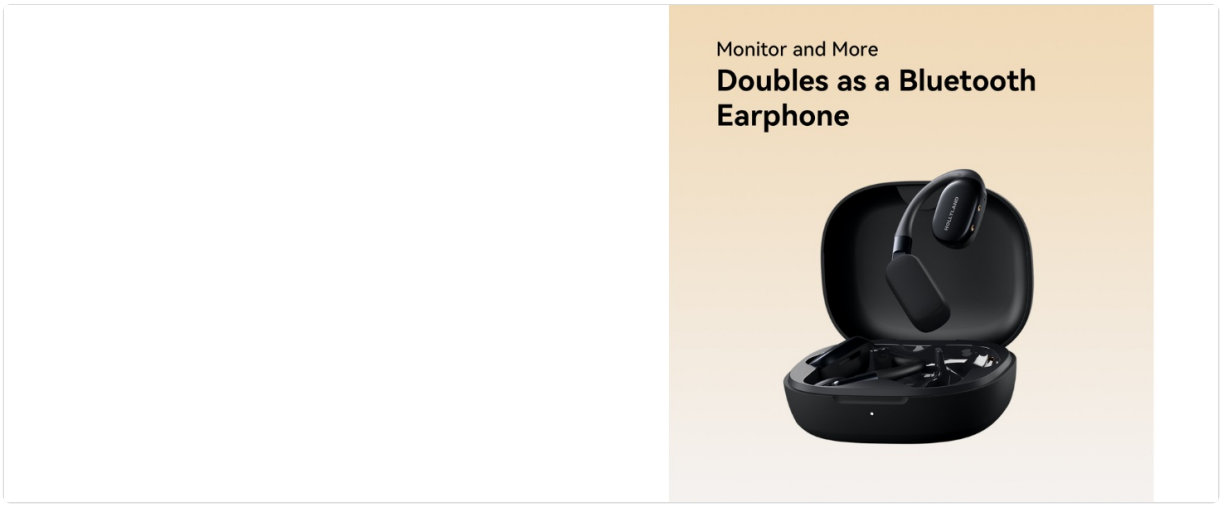

Image: A close-up of the Hollyland Lark MAX 2 transmitter being discreetly clipped onto a person's jacket, highlighting its small size and secure attachment.

3.2. 32-bit Full-Chain Audio Transmission

Experience studio-quality sound with the industry's first full-chain 32-bit audio transmission. This allows for real-time capture, editing, and syncing of high-fidelity audio across various devices.

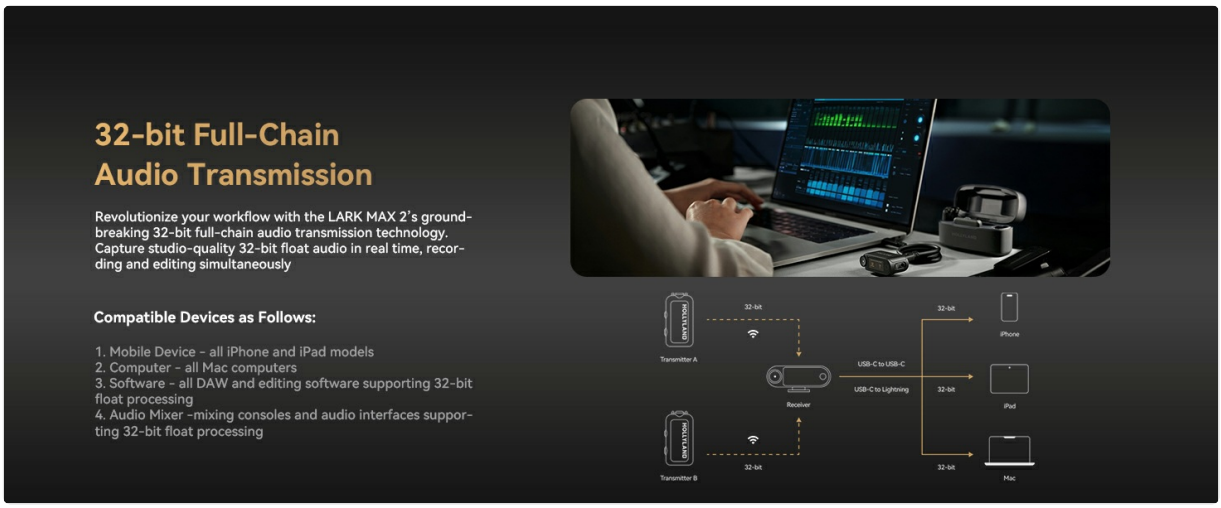

Image: A visual representation of the 32-bit full-chain audio transmission, showing the signal flow from transmitters to receiver and various compatible devices like iPhone, iPad, and Mac.

3.3. 32-bit Float Internal Recording

Each transmitter includes 8GB of built-in storage, providing up to 10 hours of 32-bit float internal recording (or 14 hours with 24-bit float). This serves as a secure backup and allows the transmitter to function as a standalone voice recorder.

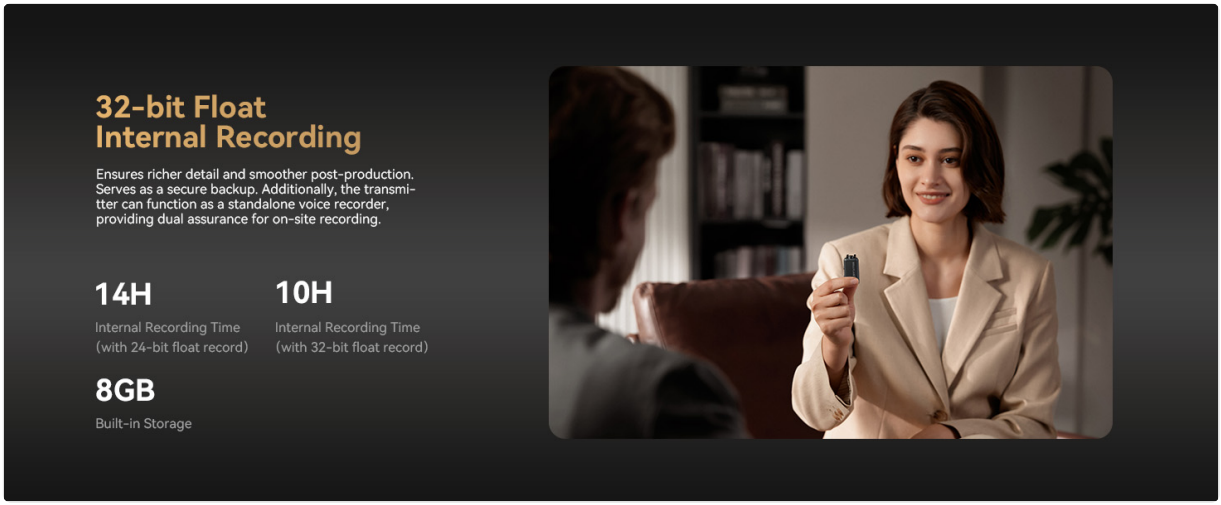

Image: A woman holding a Hollyland Lark MAX 2 transmitter, with text indicating 14 hours of internal recording time (24-bit float) and 8GB built-in storage.

3.4. AI Noise Cancellation

The AI noise cancellation feature offers stepless adjustment from 5dB to 25dB, effectively eliminating background noise while preserving vocal clarity. This is ideal for recording in noisy environments.

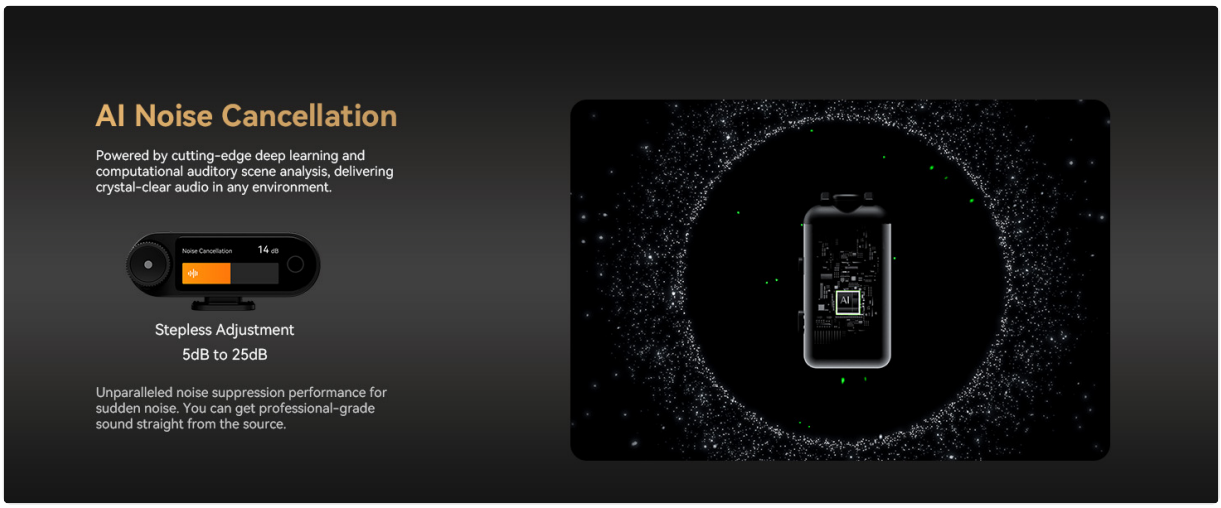

Image: A graphic depicting the AI Noise Cancellation feature, showing a microphone unit surrounded by particles, with text indicating a stepless adjustment range from 5dB to 25dB.

3.5. Broadcast-Quality Audio

Achieve broadcast-ready audio with 48kHz/32-bit float sampling rate and depth, 72dB Signal-to-Noise Ratio (SNR), and 128dB Sound Pressure Level (SPL) for handling intense audio without clipping.

Image: Three separate scenes showing individuals using the Hollyland Lark MAX 2, with key audio specifications like 48kHz/32-bit Float, 72dB SNR, and 128dB SPL displayed.

3.6. Automatic Gain Control

The system features automatic gain control to ensure balanced and stable audio levels, with real-time adjustments, zero latency, and low distortion.

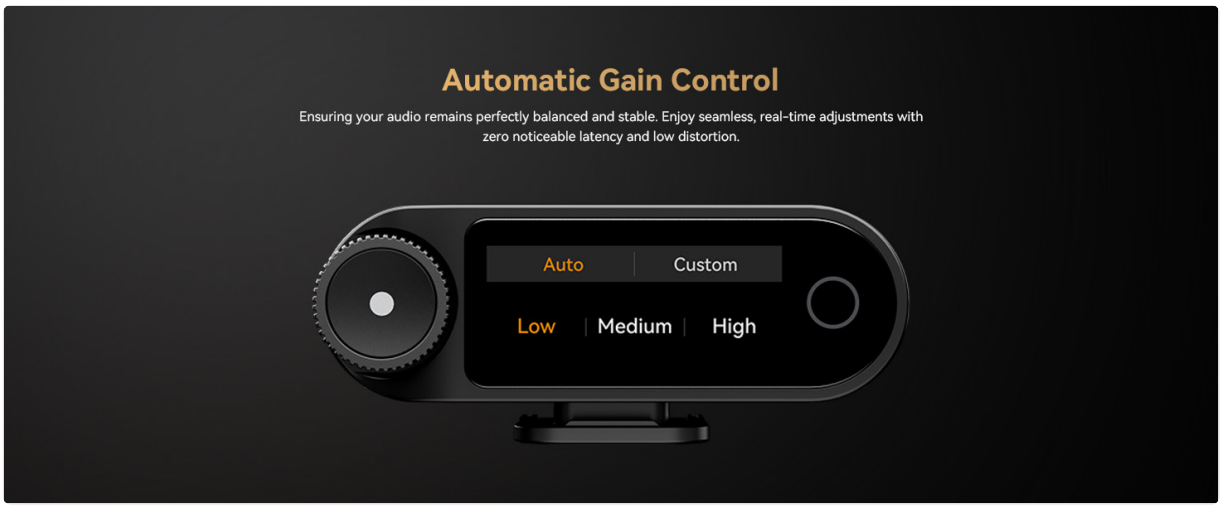

Image: A close-up of the Hollyland Lark MAX 2 receiver's OLED screen, displaying options for 'Auto' and 'Custom' gain control with 'Low', 'Medium', and 'High' settings.

3.7. Ultra-Long Duration

Enjoy extended recording sessions with up to 36 hours of battery life using the charging case. The transmitters offer 11 hours of working time (with noise cancellation off) and charge in less than 1.5 hours.

Image: The Hollyland Lark MAX 2 charging case with a transmitter being placed inside, showing battery life details: 36H (with charging case), 11H (working time), 2.5 full charges, and <1.5H charge time.

3.8. Superior Anti-Interference & Long Range

The system provides crystal-clear audio with a Line-of-Sight (LOS) range of up to 340m (1115ft). Advanced 2.4 GHz frequency hopping technology ensures stable audio transmission and ultra-low 25ms latency.

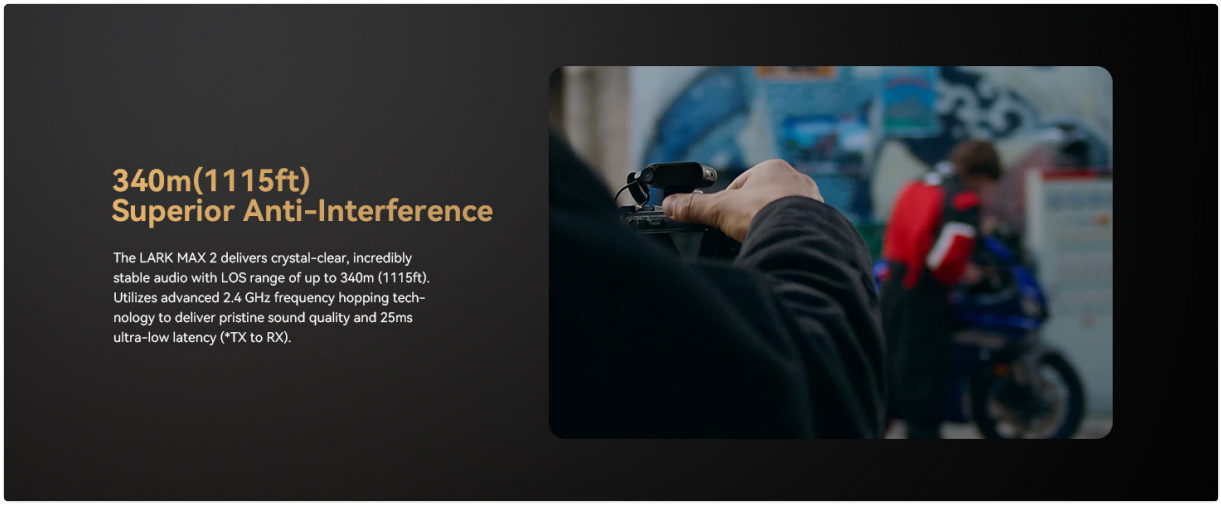

Image: A person filming outdoors with a camera and the Hollyland Lark MAX 2 receiver mounted, with text highlighting the 340m (1115ft) maximum range.

3.9. Perfect Timecode Sync

The built-in frame-level timecode sync system synchronizes camera footage with internal audio recording via 3.5mm and UAC outputs, ensuring precise audio-visual alignment in post-production.

Image: The Hollyland Lark MAX 2 receiver mounted on top of a camera, with its screen showing timecode information, emphasizing its synchronization capabilities.

3.10. OLED Touchscreen & LarkSound App Control

The receiver features an OLED touchscreen for real-time information and settings access. The LarkSound App allows for instant adjustments, battery monitoring, and firmware upgrades via Bluetooth.

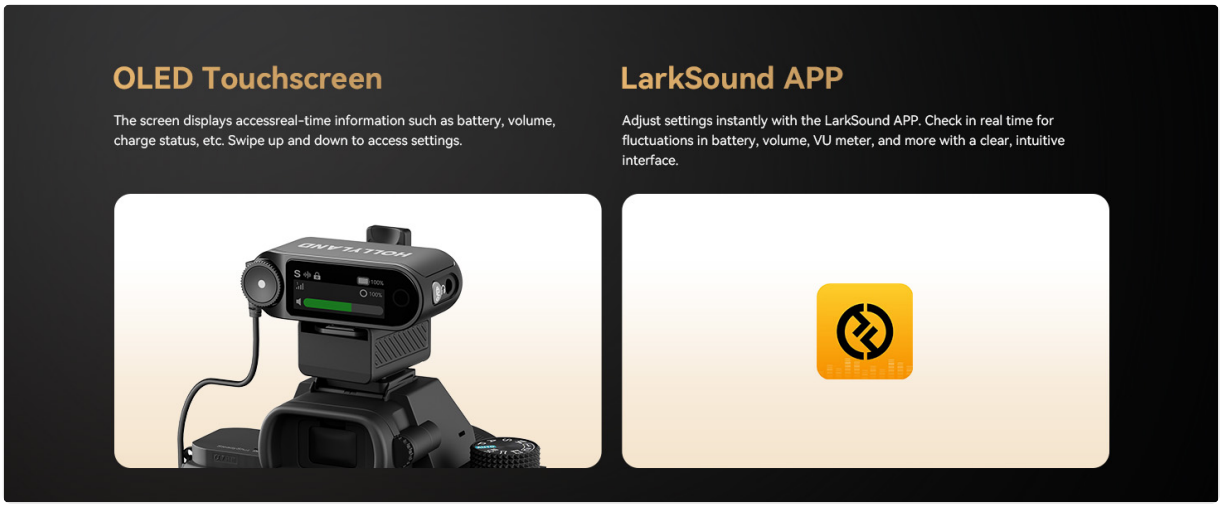

Image: The Hollyland Lark MAX 2 receiver with its OLED touchscreen showing device status, alongside a smartphone screen displaying the LarkSound App interface for remote control.

3.11. Wireless Monitoring with OWS Earphones

The system supports groundbreaking wireless monitoring with optional OWS Monitor Earphones, providing content creators with greater freedom and flexibility to hear audio in real-time.

Image: The Hollyland OWS Monitor Earphones shown in their compact charging case, illustrating the wireless monitoring capability.

4. Setup

4.1. Initial Pairing and Connection

The Hollyland Lark MAX 2 system is designed for quick and easy setup. Transmitters automatically pair with the receiver upon powering on. Connect the receiver to your recording device (camera, smartphone, computer) using the appropriate cable (3.5mm TRS, USB-C to Lightning, or USB-C to USB-C).

Video: An unboxing and quick setup guide for the Hollyland Lark MAX 2, demonstrating how to connect the transmitter and receiver.

4.2. Attaching to Camera

Mount the camera receiver onto your camera's hot shoe using the integrated adapter. Ensure a secure connection before recording.

Image: The Hollyland Lark MAX 2 camera receiver securely mounted on the hot shoe of a DSLR camera, ready for use.

Video: A promotional video showcasing the features and ease of use of the Hollyland Lark MAX 2, including camera attachment.

5. Operating

5.1. Adjusting Settings

Use the OLED touchscreen on the receiver to navigate menus and adjust settings such as gain levels, noise cancellation intensity, and recording modes. The intuitive interface allows for quick modifications.

5.2. Real-time Audio Monitoring

For critical audio monitoring, connect the OWS Monitor Earphones to the system. This allows you to hear the recorded audio in real-time, ensuring optimal sound quality during your sessions.

Video: A user review highlighting the touchscreen receiver and the convenience of wireless headphones for monitoring audio.

5.3. Internal Recording Activation

To activate internal recording on the transmitters, press the dedicated record button. The LED indicator will confirm recording status. Files can be transferred to a computer via USB-C.

Video: A user demonstrating the sound quality of the microphones in an outdoor setting, showcasing their performance.

6. Maintenance

Keep the devices clean using a soft, dry cloth. Avoid exposure to extreme temperatures, moisture, or corrosive substances. Store the system in its charging case when not in use to protect components and maintain battery life.

7. Troubleshooting

- **No Audio:** Ensure all components are fully charged and correctly connected. Check gain levels on the receiver. Verify pairing status.
- **Interference/Dropouts:** Move closer to the receiver. Avoid environments with strong 2.4 GHz interference.
- **Poor Audio Quality:** Adjust AI noise cancellation levels. Ensure furry windshields are used in windy conditions. Check for proper microphone placement.
- **Device Not Recognized by Computer:** Connect directly to a USB port on your computer, avoiding USB hubs.

8. Specifications

Feature	Detail
Model Number	M71T, M71R1, M71R2, M71C
Item Weight	0.41 Kilograms (14.4 ounces)
Microphone Form Factor	Lavalier
Product Dimensions	3.74 x 3.54 x 6.3 inches
Power Source	Battery Powered (4 C batteries included)
Signal-to-Noise Ratio	72 dB
Number of Channels	3

Connectivity Technology	2.4GHz
Connector Type	3.5 mm Jack, USB
Special Features	36H Extended Duration, AI Noise Cancellation, Broadcast-quality Sound, 340m Long-Range Stability, Wide Compatibility
Compatible Devices	Camera, Laptop, Smartphone, Tablet
Audio Sensitivity	72 Decibels

9. Warranty & Support

For warranty information and customer support, please refer to the official Hollyland website or contact their customer service directly. Keep your purchase receipt for warranty claims.