

# LARK MAX 2

Max Freedom, Max Sound

The LARK MAX 2 is an industry-leading, 32-bit full-chain wireless microphone system, delivering pristine audio from capture through transmission to monitoring — setting a new standard in professional sound recording. Its innovative 2.4 GHz wireless monitoring technology, paired with our OWS earphones, frees creators to move within a 100-meter range, offering real-time audio monitoring without the constraints of cables. With 32-bit float recording, the system captures up to 14 hours of pristine, uncompressed audio — providing a reliable backup so you never miss a moment of sound. Our cutting-edge AI noise cancellation technology instantly filters out ambient noise, ensuring crystal-clear audio, whether it's keyboard clicks or thunderstorms. The built-in timecode system synchronizes camera footage with internal audio recording, providing perfect automatic audio-visual alignment in post-production. One receiver can flexibly pair with up to four transmitters, making it the ideal choice for multi-person audio capture in diverse production scenarios. Experience broadcast-grade audio excellence right out of the box. Whether it's commercial content, live interviews, or content creation, this professional microphone system guarantees flawless audio quality for every moment of your production.



Low-Latency Wireless  
Audio Monitoring



32-bit Float  
Internal Recording

32  
bit

Pioneering 32-bit  
Full-Chain Audio Transmission

AI

AI Noise  
Cancellation



Timecode



4 Transmitters  
& 1 Receiver



14g  
Invisible Fit



36-Hour  
Long Duration



1115ft (340m)  
Wireless Range



Excimer Nano-Coated  
Skin-Friendly Material



## I Specifications

Mic Sensitivity	-37 dBV ± 2 dBV@1 kHz, 94dB SPL	
Wireless Modulation Mode	GFSK 2 Mbps	
Wireless Transmission	2.4 GHz Adaptive Frequency Hopping (AFH)	
Transmission Range	Mic: 1115ft (340m) for LOS / 230ft (70m) for NLOS OWS Monitor Earphone: 328ft (100m) for LOS / 230ft (70m) for NLOS	
Mic Polar Pattern	Omnidirectional	
Frequency Response	20 Hz - 20 kHz	
Signal-to-Noise Ratio	≥ 72dB	
Max Sound Pressure Level	128dB SPL	
Sample Rate and Bit Depth	48 kHz / 32-bit Float & 48 kHz / 24-bit	
Battery Voltage	Mic: 3.87V Camera RX: 3.87V Charging Case: 3.8V	OWS Monitor Earphone: 3.7V Earphone Charging Case: 3.7V
Battery Capacity	Mic: 167 mAh Camera RX: 300 mAh Charging Case: 2800 mAh	OWS Monitor Earphone: 90 mAh Earphone Charging Case: 500 mAh
Operating Time	Mic: Approx. 11 hours Camera RX: Approx. 12 hours	OWS Monitor Earphone: Approx. 18 hours
Charging Cycle	Charging Case: > 2.5 times charging for 2 Mic and Camera RX at the same time Earphone Charging Case: > 1.8 times charging for 2 OWS Monitor Earphone at the same time	
Charging Time	Mic: < 1.5 hours Camera RX: < 1.5 hours	OWS Monitor Earphone: < 1.6 hours
Charging Temperature	0 ~ 45° C	
Operating Temperature	-10 ~ 55° C	
Dimensions	Mic: Approx. 23.4*10.2*45.1mm (0.92" × 0.40" × 1.78") Camera RX: Approx. 54.2*22.3*29.5mm (2.13" × 0.88" × 1.16") USB-C RX: Approx. 40.7*9.1*27mm (1.60" × 0.36" × 1.06")	
Weight	Mic: Approx. 14g (0.51oz) Camera RX: Approx. 24g (0.85oz) USB-C RX: Approx. 5.9g (0.21oz)	

\* The data provided above is based on Hollyland laboratory testing results.