



eXtremely Robust.
eXtremely Reliable.

PRO-XR

2.4 GHz Wireless Microphone System



with
Signal Redundancy Technology

The PRO-XR is a new kind of 2.4 GHz digital wireless microphone. Using several new technologies, it avoids the line-of-sight dependency and congestion problems that plague traditional 2.4GHz wireless, resulting in an extremely reliable wireless microphone.

Easy-to-use, compact and lightweight, the PRO-XR is perfectly suited for video creators of all types. Whether you shoot with a DSLR camera, mirrorless camera, cinema camera or mobile device, the PRO-XR can deliver high-quality and dependable wireless audio for your videos.

Frequency Spectrum Auto-Scan

Once powered on, the PRO-XR automatically scans the 2.4GHz frequency spectrum and selects the best available frequencies to use for its connection, thereby avoiding interference-prone frequency bands.

Automatic Interference Avoidance

The activity of 2.4GHz devices in a given area can change frequently and rapidly. That is why the PRO-XR constantly monitors this range for interference, and will automatically

and seamlessly change its transmission to use one of 76 different frequencies in the range.

Signal Redundancy Technology

Further fortifying the system's resistance to interference, PRO-XR employs Azden's proprietary Signal Redundancy Technology, in which the transmitter sends two copies of its signal to the receiver at all times, each on a different frequency. If the system predicts interference of the primary signal, it will instantly switch to using the secondary signal without any interruptions.

Adjustable Transmission Power

Change the transmission output power of the transmitter to adapt to challenging environments. Use the default 20mW setting for optimal battery life and excellent performance in most situations. Optionally increase the output power to 50mW or 100mW for better performance at extreme distances, or to overcome line-of-sight obstructions and over-crowded Wi-Fi environments. Combining the 100mW output with the use of the included high-gain transmitter antenna can extend the range of

the system up to an incredible 500 feet!

External Antenna Design

While many other digital wireless systems are moving to under-performing internal antennas, the PRO-XR system employs a more reliable external antenna design and comes with two interchangeable antenna options for the transmitter: a flexible antenna for comfortable and inconspicuous wearing of the transmitter, and a high-gain antenna for increased performance especially at long distances and with line-of-sight obstruction.

Mobile Video Compatible

The PRO-XR is also compatible with smartphones and tablets out of the box. Easily mount the PRO-XR receiver to your smartphone with the included Smartphone Mount. A Lightning-to-headphone adapter cable is included for connection to iOS devices. A TRRS output cable is included for other devices with headphone jacks. No special apps are required to use the PRO-XR's audio when shooting video on your mobile device.



PRO-XR 2.4 GHz WIRELESS MICROPHONE SYSTEM

Product Highlights

- For digital cameras and mobile devices
- Proprietary digital technologies avoid 2.4 GHz interference
- Adjustable transmitter output power
- External antenna design for better performance
- Up to 500' range
- Includes high-quality lavalier microphone
- Includes smartphone mount
- Rechargeable lithium-ion batteries
- Runtime up to 20 hours on RX and 14 hours on TX
- Six-step adjustable output gain
- Headphone and microphone outputs / Line-in auxiliary input
- 1/4"-20 threaded shoe mount on receiver
- 2-year warranty with online registration



Kit Includes

PRO-XRT Transmitter	TRS to TRRS Adapter Cable
PRO-XRR Receiver	iOS Lightning to Headphone Adapter
EX-507XR Lapel Mic	USB Charger & Cable
Smartphone Mount	Flexible Antenna
Audio Output Cable	High Gain Antenna (x2)



Specifications

SYSTEM

Operating Freq.: 2.4 GHz ISM Band
 Signal-To-Noise: 86 dB A-weighted
 Dynamic Range: Mic: 90 dB / Line: 87 dB
 Operating Range: up to 500 feet in optimal conditions
 Freq. Response: Mic: 60 Hz - 20 kHz
 Aux: 30 Hz - 20 kHz

Bit Rate: 384 kbps
 System Latency: 4.5 ms
 Battery Life Span: 500 cycles (70% peak performance)
 Battery Type: Lithium-ion 3.7 V, 1200 mAh, 4.44 Wh
 Power Supply: USB 5 V

RECEIVER

Max Output Level: 1.5 dBV
 Mic Output: Φ 3.5 mm dual-mono TRS
 Headphone Output: Φ 3.5 mm dual-mono TRS
 Output Impedance: Mic: 2 k Ω ; Headphone: 10 k Ω
 Battery Life: 20 hrs
 Charge Time: 2.5 hours
 Dimensions: 48 x 79 x 14 mm (W/H/D)
 Weight: 76 g

TRANSMITTER

RF Output Power: 20/50/100 mW
 Mic Input: Φ 3.5 mm mono TRS
 Aux Input: Φ 3.5 mm summed-mono TRS
 Input Impedance: Mic: 9.1 k Ω / Aux: 100 k Ω
 Max Input: Mic: -22 dBV / Aux: -2 dBV
 Battery Life: \approx 14 hrs @ 20 mW
 \approx 12 hrs @ 50 mW
 \approx 10 hrs @ 100 mW
 Charge Time: 2.5 hours
 Dimensions: 48 x 79 x 14 mm (W/H/D)
 Weight: 65 g

MICROPHONE

Mic Element: Electret Condenser
 Polar Pattern: Omni-Directional
 Freq. Response: 20 Hz - 20 kHz
 Sensitivity: -38 dB @1 kHz, 0 dB=1 V/Pa
 Impedance: 2.2 k Ω @1 kHz
 Power Req.: Plug-in power DC 1-10 V
 Connector Type: Φ 3.5 mm TRS
 Cord Length: 1.2 m

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LEARN MORE ABOUT AZDEN PRODUCTS AT www.azden.com