



eXtremely Robust.  
eXtremely Reliable.

# PRO-XRe

## 2.4 GHz Wireless Microphone System



with  
*Signal Redundancy Technology*

**T**he PRO-XRe 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-XRe 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-XRe can deliver high-quality and dependable wireless audio for your videos.

### **Frequency Spectrum Auto-Scan**

Once powered on, the PRO-XRe 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-XRe 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-XRe employs Azden's proprietary Signal Redundancy Technology, in which the transmitter sends three 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 one of the other two signal without any interruptions.

### **External Antenna Design**

While many other digital wireless systems are moving to under-performing internal antennas, the PRO-XRe 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-XRe is also compatible with smartphones and tablets out of the box. Easily mount the PRO-XRe 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-XRe's audio when shooting video on your mobile device.



# PRO-XR<sup>e</sup> 2.4 GHz WIRELESS MICROPHONE SYSTEM

## Product Highlights

- For digital cameras and mobile devices
- Proprietary digital technologies avoid 2.4 GHz interference
- External antenna design for better performance
- Up to 50 meter range
- Includes high-quality lavalier microphone
- Includes smartphone mount
- Rechargeable lithium-ion batteries
- Runtime up to 21 hours on RX and 15 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-XR <sup>e</sup> T Transmitter	TRS to TRRS Adapter Cable
PRO-XR <sup>e</sup> R 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 50 m in optimal conditions
Freq. Response:	Mic: 60 Hz - 20 kHz Aux: 30 Hz - 20 kHz
Bit Rate:	384 kbps
System Latency:	6.8 ms
Battery Life Span:	500 cycles
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:	Φ3.5 mm dual-mono TRS
Headphone Output:	Φ3.5 mm dual-mono TRS
Output Impedance:	Mic: 2 kΩ; Headphone: 10 kΩ
Battery Life:	21 hrs
Charge Time:	2.5 hours
Dimensions:	48 x 79 x 14 mm (W/H/D)
Weight:	76 g

### TRANSMITTER

RF Output Power:	10 mW
Mic Input:	Φ3.5 mm mono TRS
Aux Input:	Φ3.5 mm summed-mono TRS
Input Impedance:	Mic: 9.1 kΩ / Aux: 100 kΩ
Max Input:	Mic: -22 dBV / Aux: -2 dBV
Battery Life:	15 hrs
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 kΩ @1 kHz
Power Req.:	Plug-in power DC 1-10 V
Connector Type:	Φ3.5 mm TRS
Cord Length:	1.2 m

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