

# The NEW Standard in Broadcast Wireless



## The AZDEN 2000 Series

Improving the performance of the highly regarded 1201 Series was no easy task for AZDEN engineers. This involved a completely new circuit design for the crystal-controlled PLL synthesized 2000 Series. The new design has dramatically improved audio quality, with lower noise levels, increased dynamic range and transient response. A new system IC has improved system stability and, at the same time, lowered power consumption. Regardless of climate conditions, the new IC design offers consistent system performance for the most demanding ENG/EFP broadcast applications. The 2000 Series is available in different receiver configurations for compatibility with most broadcast cameras. The 2000BT body-pack and 2000XT XLR plug-in transmitters are housed in a durable, die-cast case and provide trouble free high end performance.

With its full range of wireless solutions to work with many of today's leading broadcast cameras, it's no wonder AZDEN is a name widely recognized and respected in the broadcast industry. For more information on the AZDEN 2000 Series Broadcast Wireless Systems and other great AZDEN products, visit [www.azden.com](http://www.azden.com) or visit your local AZDEN dealer today!





## WIRELESS RECEIVERS

The **2000URX** is a Broadcast Spec True Diversity Receiver with a digital display in a portable/table top die-cast metal case. It operates on 4 "AA" batteries and is also set up to be powered by external phantom power or AC power. It has 188 selectable UHF frequencies and with its convenient LCD display, it makes it easy to monitor the system, have clear channel frequency searching and switch between 6 preset channel groups for multiple system usage. It also has detachable high-gain antennas for easy storage and to minimize breakage.

The **2000URX/Si** is a Broadcast Spec True Diversity Receiver that features a durable slot-in case design for use with Panasonic® and Ikegami® broadcast cameras. It receives power from the camera when effectively pressed into the camera slot. It also has 188 selectable UHF frequencies and has a clear LCD display for system monitoring, clear channel frequency searching and 6 preset channel groups for multiple system usage.

The **2000URX/Si-S** is a Broadcast Spec True Diversity Receiver built in the same fashion as its URX/Si cousin, but this receiver is specifically geared towards use with Sony® slot-in cameras. It also receives power directly from the camera when installed and like the rest of the 2000 Series, has 188 se-

lectable UHF frequencies. It also has a clear LCD display for monitoring, channel searching and going through its 6 preset channel groups for multiple system usage. Lastly, both receivers have the flexible, detachable high-gain antennas for easy storage and to minimize breakage. All receivers also include a 2nd set of shorter, round antennas to avoid breakage in close, tight quarters.



## WIRELESS TRANSMITTERS

The **2000BT** body-pack transmitter is made to work perfectly in conjunction with the 2000 Series receivers. It is housed in a durable die-cast metal case and includes a single, flexible, detachable antenna, a transmitter holster and a steel belt clip for durable, reliable hands-free operation. It has a clear LCD display with user-friendly controls for pairing its group and channel numbers to your 2000 Series receiver. It is powered by 2 "AA" batteries and can last up to 8 hours in the field. It features a locking 4-pin Hirose microphone input that is compatible with many AZDEN headset and lapel microphones.

The **2000XT** is a versatile, durable XLR plug-in transmitter designed to work with all professional low-impedance hand-held microphones. It is also housed in a die-cast metal case and has a convenient, unobtrusive shape and design. It gives the ability to choose a preferred XLR microphone for individual use and caters to the specific needs of that user. It works with all 2000 Series receivers and is powered by 2 "AA" batteries.

It features all new circuitry and has the capability to deliver 48V phantom power to your XLR microphone. For the ultimate in versatility and performance, the 2000XT is a must-have for any broadcast audio solution.



### SPECIFICATIONS

#### 2000URX/Si/Si-S

Receiving Frequency	638.125Mhz ~ 661.875 Mhz 188 Channels
Receiving Method	Space diversity double super heterodyne
Sensibility	0.8µV
Reference Deviation	±5kHz
Max. Deviation	±40kHz
Inter Modulation	65dB or more
Noise Reduction	Compander
Audio Output Level	4dBm MAX
Signal-to-noise Ratio	100dB or more (100% Dev)
Distortion Ratio	0.8% or less (100% Dev)
Antenna Connector	BNC Connector
Interface w/ Camera	D-sub 15pin (Si-S) D-sub 25 pin (Si)
Audio Output Jack	XLR-32-3 / 3.5mm stereo mini for monitoring
Power	DC 6V (4 AA batteries)
External Power	DC 11V ~ 15V(URX) DC 7V (Si-S) DC 12(10~17V) (Si)
Power Consumption	6V 240mA
LED	3 point RF level, diversity (A/B) (URX) 3 point AF level, Tone squelch (URX)
LCD	Receiving frequency, channel (URX) Frequency, Channel, RF Level w/ indicators, Diversity A or B, AF Level w/ indicators (URX Si-S, URX Si)
Size	98mm (W) x 109.5mm (H) x 40mm (D) (URX) 80mm (W) x 22mm (H) x 35mm (D) (URX/Si-S, URX/Si)
Weight	620g(URX), 245g(URX/Si-S)/240g(Si)

#### 2000BT/XT

Transmitting Frequency	638.125MHz~661.875MHz (188channels)
Radio Type	F3E (FM)
Oscillation	Crystal-controlled-PLL-Synthesizer
Aerial Power	50mW
Tone Frequency	32.768 kHz
Noise Reduction	Compander
Mic In/Level	Hirose-4pin/ECM:-60dBu
Impedance	3.3Ω
Frequency Response	50~15kHz±1.5dB
LED	AF-Peak, Battery Low Alarm
LCD	Output frequency, channel, accumulated time
Power	DC 3V (2AABatteries)
Power Consumption	Less than 130ma
Battery Life	About 8 Hours (when used AA Batteries)
Size/weight	63(W) x98 (H) x27(D)/ 180g (including batteries) (mic is optional)



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