

AD3 DIGITAL WIRELESS PLUG-ON TRANSMITTER

SPECIFICATIONS

(SUBJECT TO CHANGE)

Mic Offset Range	-12 to 21 dB (in 1 dB steps)
Battery Type	Shure SB900 series rechargeable li-ion or AA batteries 1.5 V
Battery Runtime @ 10 mW	Shure SB900B: over 8 hours Alkaline: over 7 hours
Dimensions	126 × 44.5 × 44.5 mm (5.0 × 1.8 × 1.8 in.)
Weight	240 g (8.0 oz), without batteries
Housing	Cast metal
Operating Temperature Range	-14 to 122 °F (-10 to 50 °C)
Storage Temperature Range	-40 to 165 °F (-40 to 74 °C)

AUDIO INPUT

Connector	3-pin female XLR
Configuration	balanced
Impedance	Pad (-12 dB): 26.64 kΩ 0 dB: 6.64 kΩ Boost (12 dB): 6.64 kΩ
Maximum input Level 1 kHz at 1% THD	Pad (-12 dB): 21 dBV 0 dB: 9 dBV Boost (12 dB): -3 dBV
Preamplifier Equivalent Input Noise	-115 dBV
System Gain Setting >+20	Typical, A-weighted
Phantom Power	+48 V (7 mA maximum) +12 V (15 mA maximum)
High Pass Filter	Two-pole (12 dB per octave), cutoff frequency selectable from 40 to 240 Hz in 20 Hz increments

RF OUTPUT

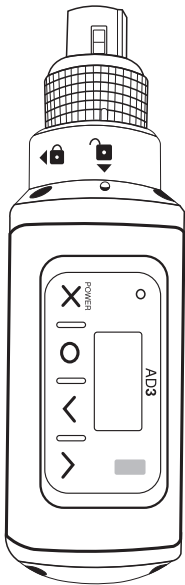
Antenna Type	Dipole
Impedance	50 Ω
Occupied Bandwidth	< 200 kHz
Channel-to-Channel Spacing	Standard Mode: 350 kHz High Density Mode: 125 kHz
Modulation Type	Shure Axient Digital Proprietary
Power	2 mW, 10 mW, 35 mW Varies by region. See Frequency Range and Output Power Table.
Specific Absorption Rate (SAR)	<0.12 W/kg

OVERVIEW

The Axient® Digital AD3 plug-on transmitter transforms any microphone into an advanced, portable Axient Digital AD Series wireless microphone, delivering impeccable audio quality and RF performance, wide-tuning, and encryption features. Compatible with Axient Digital AD4D and AD4Q receivers in Standard or High Density modes, AD3 features a custom, fast, and secure XLR connector design, support for both AA and Shure SB900-series rechargeable battery options, and simple, user-friendly controls and menus. The AD3 is housed in a lightweight, rugged, metal chassis and is designed to resist sweat, moisture, and debris.

FEATURES

- Patent-pending locking XLR connector for secure, wobble-free connection
- OLED display with easy-to-navigate menu and controls
- Rugged metal construction that is resistant to dust and moisture
- Automatic input staging optimizes gain setting
- AES 256-bit encryption-enabled for secure transmission
- 300 feet (100 meter) line-of-sight operating range
- Selectable modulation modes optimize performance for spectral efficiency
 - Standard – Optimal coverage, low latency
 - High density – Dramatic increase in max system channel count
- Switchable power levels (2/10/35 mW, region dependent)
- AA battery (included) or Shure SB900B rechargeable battery (sold separately) options
- Optional Shure SB900B lithium-ion rechargeable battery option provides up to 8 hours of continuous use, precision metering, and zero memory effect
- External power and charging option over USB-C port
- Included: 2 × AA alkaline batteries, USB-A to USB-C cable, belt clip/pouch, and zippered bag for storage



AD3
Plug-On Wireless Transmitter

AVAILABLE FREQUENCY BANDS

Band	Frequency (MHz)	Power (mW)
G53	470 to 510	2/10/35
G54	479 to 565	2/10/20
G55	470 to 636*	2/10/35
G56	470 to 636*	2/10/35
G57	470 to 616*	2/10/35
G62	510 to 530	2/10/35
G63	487 to 636	2/10/30
H54	520 to 636	2/10/35
K53	606 to 698	2/10/35
K54	606 to 663**	2/10/35
K55	606 to 694	2/10/35
K56	606 to 714	2/10/35
K57	606 to 790	2/10/35
K58	622 to 698	2/10/35
L54	794 to 806	2/10
R52	806 to 810	2/10
X51	920 to 937.5	2/10
X55	941 to 960	2/10/35

Note: Not all frequencies available in all regions. Contact your authorized Shure dealer for availability.
* with a gap between 608 to 614 MHz
** with a gap between 608 to 614 MHz and a gap between 616 to 653 MHz

