

# AD1 DIGITAL WIRELESS BODYPACK TRANSMITTER

## SPECIFICATIONS

(SUBJECT TO CHANGE)

Gain Offset Range	-12 to 21 dB (in 1 dB steps)
Battery Type	SB900 Series Rechargeable Li-Ion or LR6 AA batteries 1.5 V
Battery Run Time @10 mW	Shure SB900B: up to 8.5 hours Alkaline: up to 8 hours
Dimensions (H x W x D)	3.4 x 2.6 x 0.9 in (86 x 66 x 23 mm)
Weight	5.47 oz (155 g) without batteries
Housing	Cast Metal

### AUDIO INPUT

Connector	4-Pin male mini connector (TA4M) LEMO3 Connector
Configuration	Unbalanced
Impedance	TA4M: 910 kΩ LEMO3: 8.2 kΩ
Maximum Input Level 1 kHz at 1% THD	Pad Off: 8.5 dBV (7.5 Vpp) Pad Off: 20.5 dBV (30 Vpp)
Preamplifier Equivalent Input Noise (EIN) System Gain Setting >20	-120 dBV A-weighted, typical

### RF OUTPUT

Connector	SMA
Antenna Type	1/4 Wave
Impedance	50 Ω
Occupied Bandwidth	<200 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)	<0.20 W/kg

### AVAILABLE MODELS

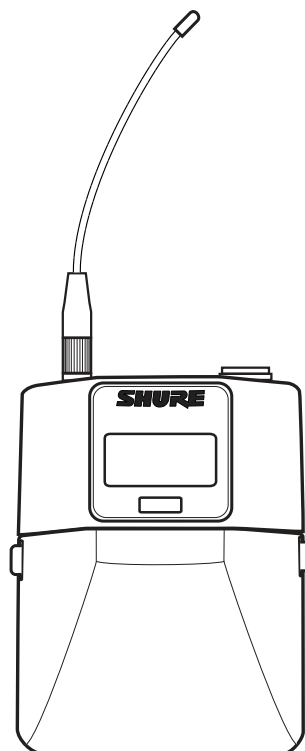
AD1-TQG	Axient Digital Bodypack, TQG (TA4M) Connector
AD1-LEMO3	Axient Digital Bodypack, LEMO3 Connector

## OVERVIEW

AD series bodypack transmitters deliver impeccable audio quality and RF performance with wide-tuning, High Density (HD) mode, and encryption. Features durable metal construction, AA or SB900B rechargeable power (with dockable charging), and TA4 or LEMO3 connector options.

## FEATURES

- Two transmission modes:
  - Standard for optimal coverage
  - New High Density mode for maximum system channel count and robust coverage
- Encryption-enabled, secure transmission
- External contacts for docked charging
- AA or SB900B Li-ion rechargeable batteries
- Detachable ¼ wave antenna
- LEMO3 and TA4M connector options



AD1  
Bodypack Transmitter

### AVAILABLE FREQUENCY BANDS

Band	Range (MHz)	Transmitter Output (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
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	630 to 787	2/10/35
R52	794 to 806	2/10/35
JB	806 to 810	2/10
X51	925 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