

## SPECIFICATIONS

(SUBJECT TO CHANGE)

|                         |  |
|-------------------------|--|
| Gain Offset Range       | -12 to 21 dB (in 1 dB steps)                           |
| Battery Type            | SB900A Rechargeable Li-Ion or LR6 AA batteries 1.5 V   |
| Battery Run Time @10 mW | Shure SB900A: up to 9 hours<br>Alkaline: up to 8 hours |
| Dimensions (H x W x D)  | 3.4 x 2.6 x 0.9 in<br>(86 x 66 x 23 mm)                |
| Weight                  | 5.47 oz (155 g)<br>without batteries                   |
| Housing                 | Cast Aluminum  |

### AUDIO INPUT

|  |  |
|--|--|
| Connector  | 4-Pin male mini connector (TA4M)<br>LEMO3 Connector      |
| Configuration  | Unbalanced   |
| Impedance  | TA4M: 910 kΩ<br>LEMO3: 8.2 MΩ                            |
| Maximum Input Level 1 kHz at 1% THD                                  | Pad Off: 8.5 dBV (7.5 Vpp)<br>Pad Off: 20.5 dBV (30 Vpp) |
| Preamplifier Equivalent Input Noise (EIN)<br>System Gain Setting >20 | -120 dBV<br>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<br>Varies by region. See Frequency Range and Output Power Table. |
| Specific Absorption Rate (SAR) | <0.20 W/kg  |

### AVAILABLE MODELS

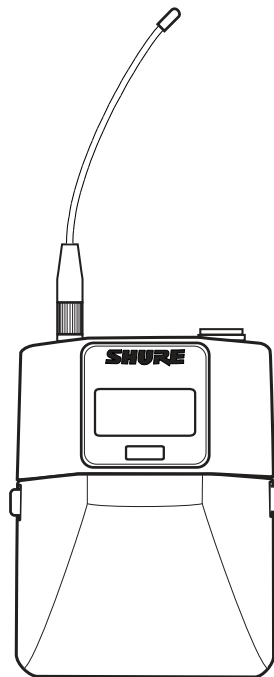
|           |   |
|-----------|---|
| AD1-TQG   | Axient Digital Bodypack, TQG (TA4M) Connector |
| AD1-LEMO3 | Axient Digital Bodypack, LEMO3 Connector      |

## 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 SB900A 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 SB900A 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