

Component Specifications

AD1 Bodypack Transmitter

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 TA4 connector options

Specifications

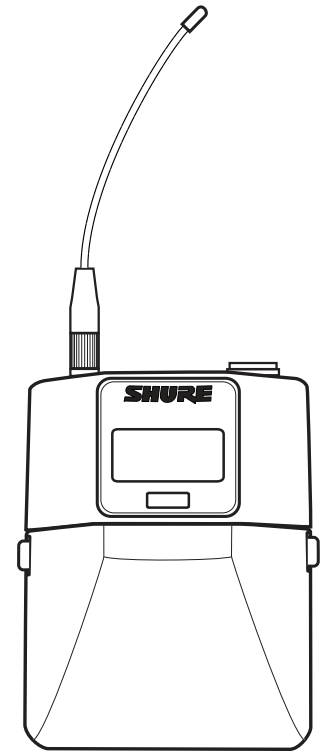
Gain Offset Range	-12 to 21 dB (in 1 dB steps)
Battery Type	Shure SB900A Rechargeable Li-Ion or LR6 AA batteries 1.5 V
Battery Runtime @ 10 mW	Shure SB900A: up to 9 hours Alkaline: up to 8 hours <i>See Battery Runtime Chart</i>
Dimensions	86 mm × 66 mm × 23 mm (3.4 in. × 2.6 in. × 0.9 in.) H × W × D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

Audio Input

Connector	4-Pin male mini connector (TA4M) LEMO3 connector
Configuration	Unbalanced
Impedance	1 M Ω
Maximum Input Level <i>1 kHz at 1% THD</i>	Pad Off: 8.5 dBV (7.5 Vpp) Pad On: 20.5 dBV (30 Vpp)
Preamplifier Equivalent Input Noise (EIN) <i>System Gain Setting \geq +20</i>	-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 <i>See Frequency Range and Output Power table, varies by region</i>



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Microphone Options (see catalog for more)

WL93	WL93 condenser capsule, omnidirectional lavalier mic
WL183	WL183 condenser capsule, omnidirectional lavalier mic
WL184	WL184 condenser capsule, supercardioid lavalier mic
WL185	WL185 condenser capsule, cardioid lavalier mic
MX150-C	MX150 condenser capsule, cardioid lavalier mic
MX150-O	MX150 condenser capsule, omnidirectional lavalier mic
MX153	MX153 condenser capsule, omnidirectional earset headworn mic
SM35	SM35 condenser capsule, cardioid headset mic
WBH53	WBH53 condenser capsule, omnidirectional headworn mic
WBH54	WBH54 condenser capsule, supercardioid headworn mic
WB98H/C	WB98H/C condenser capsule, cardioid instrument clip mic

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