

Component Specifications

UR1 Bodypack Transmitter

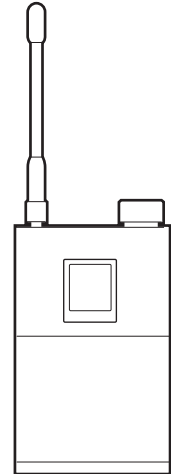
Overview

The UR1 Bodypack Transmitter is constructed of lightweight and rugged magnesium to be exceptionally unobtrusive and abuse-resistant. Choose from a wide variety of lavalier and headworn microphones to tailor to your application.

- Switchable RF Power (10/50mW or 10/100mW, Region Dependent)
- Low Profile, Compact Design
- Frequency and Power Lockout
- Bit-mapped Backlit LCD Display
- 2 AA Batteries - Up to 8 hours Continuous Use
- Automatic Transmitter Setup
- Durable, Light-weight Magnesium Construction
- Removable Bodypack Antenna

Product Specifications

Gain Adjustment Range	-20 dB to +35 dB
Maximum Input Level	+10 dBu (sensitivity 0 dB), +20 dBu (sensitivity -10 dB)
Input Impedance	18 k Ω with lavalier microphone; 1 M Ω with instrument cable
Output Impedance	50 Ω
RF Power Output	10 mW, 10/50 mW, or 10/100 mW (region dependent)
Housing	Cast magnesium
Power Requirements	2 AA alkaline or rechargeable batteries
Battery Life	8 hours typical
Current Drain	180 mA max. (normal RF power setting), 240 mA max. (high RF power setting)
Overall Dimensions	97.5 mm L x 60 mm W x 17 mm D (3.84 x 2.38 x 0.66 in.)
Net Weight	97 g (3.4 oz.) without batteries



UR1
Bodypack Transmitter

Microphone Options

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
WL50	WL50 condenser capsule, omnidirectional lavalier mic
WL51	WL51 condenser capsule, cardioid lavalier mic
WH30	WH30 condenser capsule, cardioid headworn mic
WCM16	WCM16 condenser capsule, hypercardioid headworn 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

Architectural Specifications

The wireless bodypack transmitter shall operate in the UHF band and shall provide a tone key (32,768 kHz) to increase reliability and to minimize unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronisation. The transmitter shall provide a threaded connector to securely lock microphones or instrument cables. The backlit LC display shall show name, battery gauge, carrier frequency, as well as gain and sensitivity settings. The LCD menu controls should cover separately adjustable gain (-10 to +20 dB) and input sensitivity (attenuation pad: +15, 0, -10 dB), tunable carrier frequency, switchable RF power, frequency and power lock as well as the access to the RF Safety Mode (transmitter operation with muted RF carrier).

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