

ATW-T310b

3000 series wireless systems

Frequency-agile UHF UniPak® Body-pack Transmitter



Features

- Rugged housing with a reversible clothing clip
- Recessed locking 4-pin microphone input connector
- Dual-color power/mute status indicator
- Backlit LCD status display
- Dual RF power output selection to optimize battery life
- Battery fuel gauge on LCD display
- 996-1001 selectable frequencies in the 482.000–507.000, 541.500–566.375 or 655.500–680.375 MHz bands
- 25 kHz frequency spacing makes it easier to find a clear, open frequency in crowded RF environments
- Microphone with DC bias voltage or line input
- Function menu displayed in backlit LCD window, controlled by internal touch switches
- Power/mute lock provision as well as safety door to cover controls
- 18 dB audio input level adjustment
- Digital Tone Lock™ to identify the wireless transmitter to the receiver
- Operates on two AA batteries
- Captive locking battery compartment door

Description

The ATW-T310b wireless UniPak® body-pack transmitter has both low and high impedance inputs plus a 5V DC bias connection allowing it to be used with condenser and dynamic microphones, as well as Hi-Z instrument pickups. The locking 4-pin HRS-type audio input connector is recessed to protect the connection from damage. Operating on two standard AA batteries, the transmitter features high and low-level RF output settings. The low-level setting allows two additional hours of battery life while retaining a strong RF signal link. Soft-touch controls provide convenient access to a variety of functions including: RF power, audio input level, power/mute locks and frequency selection. Each transmitter's backlit LCD display presents a great deal of setup and operating information clearly and conveniently including battery fuel remaining, mute, and operating frequency. A flashing "Lo-Batt" alert visually signals the battery life is almost depleted. A dual-color status LED illuminates green when power is on, and red when the transmitter is muted. Programmable power/mute locks limit the functioning of the transmitter's power/mute button as desired for particular users and applications. To match the audio input level to the transmitter, a four-position audio input gain setting selected through the function menu is provided.

The body-pack transmitter features a safety cover to protect the soft-touch controls from being accidentally activated and a recessed input connector to increase the life of the microphone cable. Constructed of high impact materials, the body-pack transmitter features a field replaceable whip antenna and captive locking battery cover door.

Architect's and Engineer's Specifications

The frequency-agile FM wireless body-pack transmitter shall have microphone and line level inputs. It shall provide DC voltage to power microphones requiring DC bias. The body-pack transmitter shall have a reversible clothing clip allowing for up or down cable entry. The transmitter shall have a recessed 4-pin locking input connector and a viewable fuel gauge to indicate the remaining battery life. 996-1001 frequencies shall be available and be selected with the soft-touch controls under the safety panel. A dual-color LED indicator shall illuminate green when the transmitter is turned on and shall illuminate red when the transmitter is muted. A backlit LCD display shall be provided to show transmitter setup parameters or frequency. There shall be an adjustment to allow input gain changes with a range of 18 dB. The transmitter shall include Tone Lock™ to identify the wireless transmitter to the wireless receiver. This transmitter shall utilize two RF output power levels and shall operate on two AA batteries. All adjustments shall be via soft-touch controls and shall remain as set even if the transmitter loses power or the batteries are removed. The transmitter shall have a removable and field replaceable antenna and captive locking battery cover door.

The FM wireless body-pack transmitter shall be an Audio-Technica ATW-T310b or equivalent.

Specifications

	ATW-T310b UniPak® transmitter
RF power output	High: 30 mW; Low: 10 mW (switchable)
Spurious emissions	Following federal and national regulations
Input connection	Four-pin locking connector
	Pin 1: GND, Pin 2: INST INPUT, Pin 3: MIC INPUT, Pin 4: DC BIAS +5V
Batteries	Two 1.5V AA, not included
Battery life	High: 6 hours (alkaline), Low: 8 hours (alkaline), (depending on battery type and use pattern)
Dimensions	66.0 mm (2.60") W x 24.0 mm (0.94") D x 87.0 mm (3.43") H
Net weight	81 g (2.9 oz), without batteries

In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

Specifications are subject to change without notice.



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