

Frequency-agile UHF Cardioid Dynamic Handheld Transmitter



Features

- Artist Elite® AE4100 cardioid dynamic capsule with integral shock mount
- Dual output power selection to optimize battery life
- Battery fuel gauge on the body of the microphone
- Dual-color power/mute status indicator
- Backlit LCD status 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
- Two-stage pop filter to protect against “p” pops
- Function menu displayed in a backlit LCD window and controlled by internal touch switches
- Power/mute lock provision
- 18 dB audio input level adjustment
- Digital Tone Lock™ to identify the wireless transmitter to the receiver
- Operates on two AA batteries
- Rugged metal housing
- Supplied with a heavy-duty microphone stand clamp

Description

The ATW-T341b cardioid dynamic wireless handheld transmitter features the Artist Elite® AE4100 cardioid capsule created for live sound venues. The element includes internal shock mounts for low handling noise. An integral two-stage pop filter within the rugged steel headcase protects against “p” pops and other breath plosives. Transmitter setup functions are menu-driven via soft-touch controls. To prevent accidental changes, the controls are covered by the transmitter’s handle case when not being used.

Operating using 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. Programmable power/mute locks limit the functioning of transmitter’s power/mute button as desired for particular users and applications. A dual-color status LED illuminates green when power is on, and red when the transmitter is muted. To match the audio input level to the transmitter, a four-position audio input gain setting selected through the function menu is provided. The transmitter housing is made of metal with an integral antenna. Each handheld transmitter includes a heavy-duty Quiet-Flex™ stand clamp.

Architect’s and Engineer’s Specifications

The frequency-agile FM wireless handheld transmitter utilizing a dynamic cardioid element shall be a part of a wireless microphone system operating in the bands of 482.000–507.000, 541.500–566.375 or 655.500–680.375 MHz. The capsule shall incorporate internal shock mounting and have a two-stage integral pop filter. It shall be capable of transmitting on any of 996-1001 frequencies per band. It shall have a metal housing with a plastic antenna end cap. The transmitter shall transmit a digital Tone Lock™ signal that allows the receiver to un-mute. 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. The microphone shall have an audio input level adjustment range of 18 dB. 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 operate on two AA batteries and contain a Hi/Lo RF power selector. A battery fuel gauge shall be incorporated to indicate the status of the internal batteries. The transmitter shall be supplied with a heavy-duty stand clamp.

The FM wireless handheld transmitter with a cardioid dynamic element shall be an Audio-Technica ATW-T341b or equivalent.

Specifications

RF power output	High: 30 mW; Low: 10 mW (switchable), at 50 ohms
Spurious emissions	Following federal and national regulations
Microphone element	Dynamic cardioid
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	237.0 mm (9.33") long, 48.0 mm (1.89") diameter
Net weight	284 g (10.0 oz) (without batteries)
Accessory included	AT8456a Quiet-Flex™ stand clamp

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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