

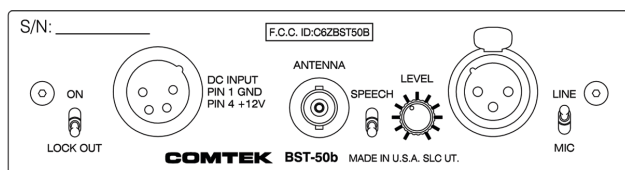
BST-50b Transmitter

72-76 MHz

Assistive Listening • Language Interpretation • Remote Program Monitoring



The BST-50b base station transmitter is designed to meet the high demands of assistive listening, language interpretation, and other high fidelity one-way radio link applications. A wide variety of special features enables this transmitter to work with any existing sound installation. Plus, the BST-50b maintains complete compatibility with existing wide-band or narrow-band assistive listening receivers of any make, including companded and non-companded receivers, for high fidelity sound reproduction. What's more, the BST-50b offers the added versatility of 120 mW of power for large arenas and stadiums.



- 50 User-Selectable Channels
- Balanced Mic or Line Level Input
- Switchable EQ Circuit for Speech Intelligibility or Full Range High Fidelity

Technical Specifications:

Audio Inputs:

- Mic: XLR 600 ohm Balanced -40 dBV (nominal)
- Line: XLR >10 k ohm Balanced 0 dBV (nominal)

Antenna:

- Telescopic antenna mounts directly into top of transmitter
- BNC RF output connector for optional external antenna

RF Output Power: 120 mW for F.C.C. Part 90

Operation Indicators:

- LED Bargraph VU Meter displays audio input (modulation)
- Two-Digit Alpha Numeric Display shows operating channel
- Five-Digit Numeric Display shows operation frequency
- Antenna Indicator displays deficient antenna condition
- Lock-out Indicator shows tuning has been disabled

Power Requirements: 12 Volts DC, 300 mA max

Frequency Response: 80 Hz to 10 kHz

Modulation Limiter: Soft compressor type with high (25 dB) linear overload protection, attack time less than 1 ms, recover time 10 ms

Audio Gain Control: Greater than 40 dB

Frequency Modulation:

- Up to 50 kHz deviation for wide-band channels
- 10 kHz deviation for narrow-band channels

Frequency Stability: Better than 0.002%
digitally synthesized, crystal controlled

Dimensions: 6 1/2" W x 1 3/4" H x 5 5/8" D

Weight: 44 oz.

COMTEK[®]
First Quality In Wireless Sound

P: 800-496-3463

www.comtek.com