

BST-75**(72-76 MHz)**

Synthesized Base Station Transmitter

- Simultaneous Multiple Language Interpretation
- Large Area Assistive Listening System
- Automatic Pre-Recorded Tour Group Listening System
- Personal Wireless Audio For Aerobic Exercise Theaters



The BST-75 mini base station transmitter meets the highest professional standards while offering outstanding value and the most advanced technology available. This versatile and innovative transmitter is simple to use, yet it has sophisticated features such as "Flash Memory" 98-channel programmability with synthesized manual 10-channel selectable user-switch. Plus a unique multi-function RF indicator detects bad antenna load, RF presence, coaxial cable short or open condition for quick and easy trouble-shooting.

The compact design of this transmitter is ideal for multiple transmitter installations. Up to four transmitters can be installed in one rack space. Also, it operates in the 72-76 MHz band under FCC Regulation Part 90. This allows a greater RF power capability (120 mW) for greater range and reliability than customary FCC Part 15 systems.

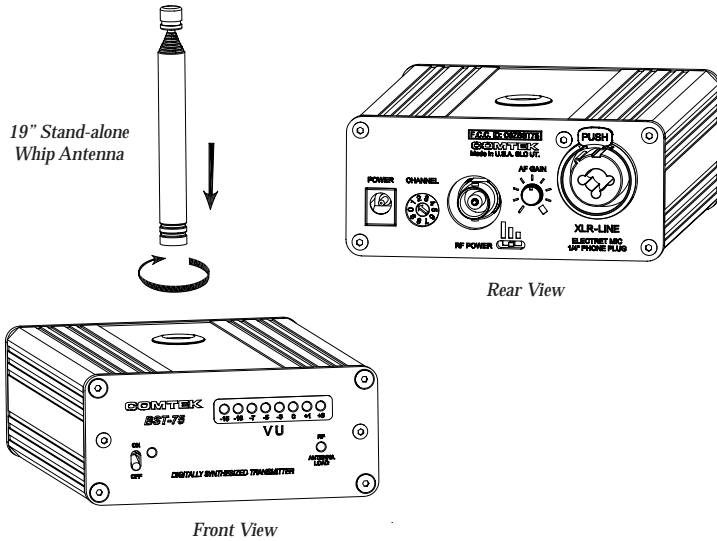
The audio processing circuit produces full fidelity frequency response from 80 Hz to 10 kHz with very low residual FM noise and distortion. To accommodate a greater variety of receivers, the BST-75 can operate with non-companded receivers or with companded receivers for higher fidelity sound reproduction with a signal-to-noise ratio of up to 100 dB.

All this is designed into a stylish, compact, all-metal enclosure suitable for permanent rack-mount installations or for stand-alone portable applications.

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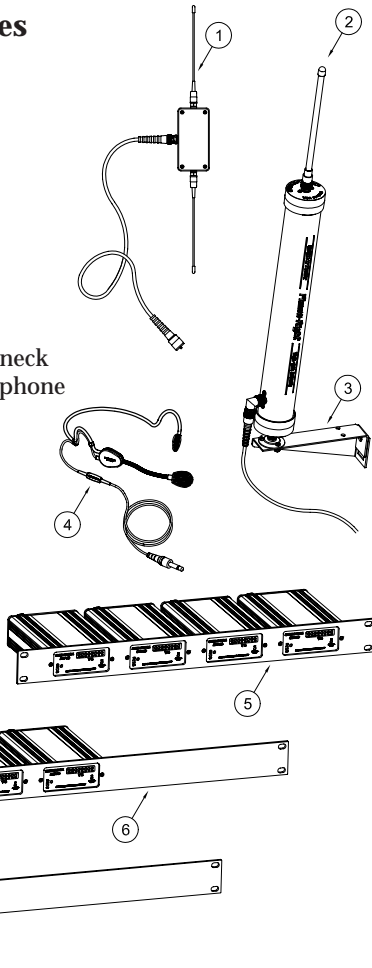
BST-75

Options and Accessories



Optional Accessories

1. RDA-2B Remote dipole antenna
2. PRA Phase-Right coaxial antenna
3. PRA Phase-Right antenna mount
4. HM-100.25 Behind-the-neck directional boom microphone
5. RMK 75-4 Quad rack-mount face plate
6. RMK 75-2 Double rack-mount face plate
7. RMK 75 Single rack-mount face plate



BST-75 SPECIFICATIONS

Audio Inputs:

- Line level balanced input 0 dBm for 80% modulation (+20 dBm max)
- Electret mic unbalanced input -25 dBV at 5 k for 80% modulation

Connectors:

- XLR-3F Combo with 1/4" phone jack
- Barrel type 5.5mm X 2.1mm power jack AC or DC
- BNC type RF output

Operation Indicators:

- LED bargraph VU meter
- LED antenna load and coaxial cable condition indicator
- LED DC power indicator

Antenna:

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

FCC Compliance:

Type Accepted under FCC Part 90

Power Requirements:

12 Volts AC or DC, 200 mA max

Frequency Response:

80 Hz to 10 kHz

Audio Distortion:

Less than 0.5% at 80% modulation

Modulation Limiter:

Peak compressor type with high linear overload protection (25 dB). Attack time less than 1 ms, recovery time 10 ms

Audio Processing:

Companded and non-companded to accommodate a variety of receivers

Audio Gain Control:

Limited to 20 dB

Frequency Modulation:

10 kHz deviation for narrow band companded

RF Output Power:

Maximum power output for FCC Part 90 (120mV)

Frequency Stability:

Better than 0.002% digitally synthesized, crystal controlled

Operating Frequency:

72.020 to 75.980 MHz (98 channels)

Harmonic and Spurious Emissions:

Better than 50 dB below carrier

Dimensions:

3 3/4" X 1 5/8" X 5 1/4" deep

Weight:

15 1/4 oz.

NOTE: Specifications subject to change without notice

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