

# BST-25 Transmitter

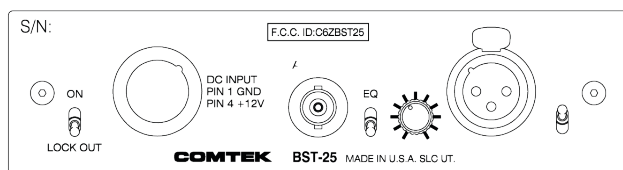
# 76-88 MHz

Studio and ENG Truck IFB • Remote Program Monitoring • Talent Cueing • Confidence Channel



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

The BST-25 base station transmitter is the most advanced, versatile, and highest fidelity IFB, cueing, and remote program monitoring transmitter available. Especially designed to meet the high demands of the broadcast, film production, and live entertainment industries, the BST-25 may be used as a stand-alone type base station transmitter using the TWA-72 telescoping whip antenna extending from the top of the unit for portable use, or rack mounted and used with a variety of remote antennas for permanent installation in studios or ENG trucks.



## 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:** 50 mW for F.C.C. Part 74

### 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

**Test Tone Generator:** 400 Hz 0.05% distortion

### Frequency Modulation:

- 10 kHz deviation for narrow band channels
- 75 kHz deviation for wide band channels

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

**Operating Frequency:** 76.2 MHz to 87.8 MHz

**Harmonic and Spurious Emissions:** Better than 55 dB  
below carrier

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

**Weight:** 44 oz.

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