

16 Channel Broadcast Wireless IFB Transmitter and Talent Receiver



TT-16 Base Station Transmitter
TR-16 Beltpack Talent Receiver

The Telex RadioCom™ TT-16 Base Station Transmitter and the TR-16 Beltpack Talent Receiver is a 16 channel synthesized wireless IFB system designed to provide a convenient wireless link to on-air talent in the studio or in the field at remote locations. Operating in the low band VHF 64-68 MHz range (TV Ch 3 and 4), the units operate reliably at distances of over 750 feet. In unoccupied television channels, up to five TT-16 transmitters will operate simultaneously within the same location.

TT-16

The TT-16 Base Station Transmitter features 16 user selectable frequencies controlled from front panel control buttons. A 1/4" headphone jack with adjustable level for input signal monitoring is also provided. A backlit LCD display allows the user to select the RF channel used, change Hi/Low RF transmit power, select intercom input source and to adjust the input levels. A new feature, Enhanced Dynamic Range (E.D.R.), greatly improves the Signal to Noise Ratio and works with the TR-16 talent receiver to provide clearer, more dynamic audio.

The Base Station Transmitter has a 3 pin XLR connector on the back of the unit that will accept intercom signal input and is selectable between RTS® TW, Telex AudioCom® or ClearCom®. Other types of balanced audio input can also be used. The TT-16 also has a 1/4" input jack on the back of the unit that will accept unbalanced line level signal input. Selection of the Intercom type used and signal level adjustment is made from the front panel.

TR-16

Like the TT-16, the TR-16 Talent Receiver features 16 user selectable frequencies controlled from top panel control buttons. The TR-16 is designed with a 3.5mm Earphone connector to be used with standard IFB earpieces such as the Telex Telethin® announcers earpiece systems or any other 8-500 ohm earphone. The TR-16 receiver features a selectable high frequency boost control to equalize the high frequency loss associated with the use of behind the collar acoustic tubes and earphone drivers. Additionally, the TR-16 has E.D.R. for increased dynamic range. Operating on two AA batteries (up to 20 hours on alkaline cells), the TR-16 also features a low battery indicator on the backlit LCD display when 10% of battery life remains.

TT-16 16 Channel Synthesized Wireless IFB Base Station Transmitter

TR-16 16 Channel Tunable Talent Receiver

TT-16 Base Station Transmitter

Order Number: 301944000

- **Wireless link from intercom system for cueing, talent IFB and more.**
- **16 channel synthesized transmitter. Up to five frequencies compatible for simultaneous use.**
- **Backlit LCD with control buttons.**
- **Accepts standard RTS® TW, AudioCom® or ClearCom® intercom level inputs.**
- **Balanced XLR input connector with level control and viewable meter.**
- **Unbalanced 1/4" line level input connector with level control and viewable meter.**
- **Hi/Low Selectable RF output power.**
- **Enhanced Dynamic Range (E.D.R.) for improved dynamic audio.**
- **Front panel 1/4" monitor jack with level control.**
- **Rack mountable in single and dual configurations in 19" racks with either RM-S or RM-D rack mount accessories.**

Frequency Range: 64 – 68 MHz (TV 3 & 4)

RF Power Switch: 50mW "HI", 5mW "Low"

Antenna: 1/4 wave telescoping omnidirectional

Modulation: FM+/- 25 KHz deviation

AGC Range: 30dB

Signal to Noise Ratio:

Normal – 58dB

E.D.R. Enabled – 77dB

Audio Input: XLR (A3F) or 1/4" phone jack

Maximum Deviation: 25 kHz

Power Requirements:

13 VAC 60Hz @ 300ma or,

12-24 VDC @ 300ma

Dimensions: (HWD) 1 1/4" x 7 1/4" x 6 7/8"

4.5cm x 19.2cm x 15cm

FCC ID: B5DM524

TR-16 Beltpack Talent Receiver

Order Number: 301945000

- **16 Channel tunability.**
- **Backlit LCD with control buttons.**
- **High frequency boost compensates for high frequency loss when used with long acoustic tubes.**
- **Enhanced Dynamic Range (E.D.R.) for improved dynamic audio.**
- **Accepts standard 3.5mm mini stereo/mono ear pieces.**
- **Runs on two standard AA batteries. Alkaline batteries provide up to 20 hours on continuous use.**

Frequency Range: 64 – 68 MHz (TV 3 & 4)

Frequency Response: 100Hz – 10KHz

Modulation: FM+/- 25 KHz deviation

Sensitivity: 0.5uV typical, 1.0uV maximum

Signal to Noise Ratio:

Normal – 58dB

E.D.R. Enabled – 77dB

Distortion: <2% T.H.D.

Audio Output: @ 10% Distortion

Into 8 Ohms: 2.0V/15mW 3.0V/80mW

Into 32 Ohms: 2.0V/10mW 3.0V/50mW

Antenna: Omnidirectional in earphone cord

Earphone Connector: 3.5mm stereo or mono

Power Requirements: 2 (AA) Batteries

20 Hours Alkaline

16 Hours NiMH

8 Hours NiCAD

Dimensions: (HWD) 4" x 2 3/4" x 1"

101mm x 70mm x 25mm

FCC: Complies with Part 15

