

## TT-16 and TR-16

### 16-Channel Synthesized Wireless IFB Transmitter and Beltpack Talent Receiver

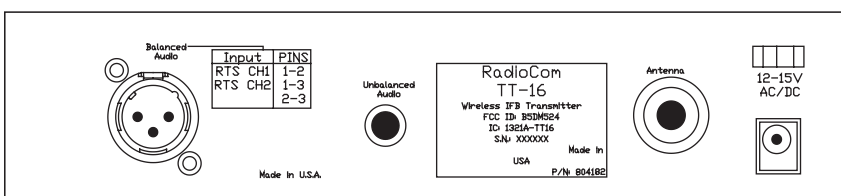
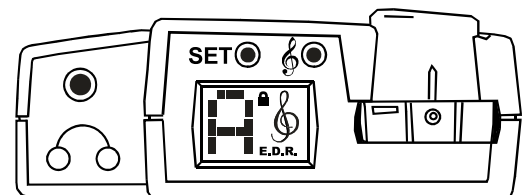
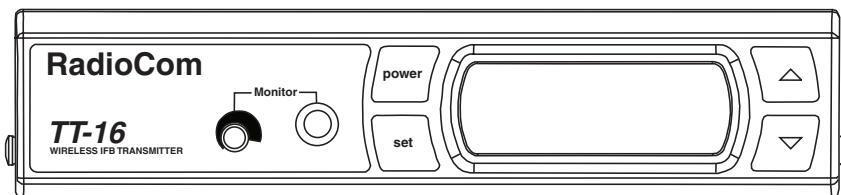
The RadioCom TT-16 base station transmitter and the TR-16 beltpack talent receiver is a 16-channel synthesized wireless IFB system. The system is designed to provide a convenient wireless link to on-air talent in the studio or in the field at remote locations. Operating in the low band VHF 64–68MHz range (TV Ch 3 and 4), the units operate reliably at distances of over 350 feet. In unoccupied television channels, up to five TT-16 transmitters will operate simultaneously within the same location.



## Features

- Wireless link from intercom system for cueing, talent IFB and more.
- 16 channel synthesized transmitter. Up to five (5) frequencies compatible for simultaneous use.
- Backlit LCD with control buttons.
- Accepts standard RTS-TW, Audiocom or Clear-Com intercom level inputs.
- Balanced XLR input connector with level control and viewable meter.
- Unbalanced 1/4-inch 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-inch monitor jack with level control.
- 16 Channel tunability.
- Backlit LCD with control buttons.
- High frequency boost compensates for high frequency loss when used with long acoustic tubes.
- Accepts standard 3.5mm mini stereo/mono ear pieces.
- Runs on two (2) standard "AA" batteries. Alkaline batteries provide up to 20 hours of continuous use.

## Line Drawings



## Specifications

### Overall

#### Frequency Range

64–68MHz (TV 3 & 4)

#### Modulation

FM  $\pm 25$ kHz deviation

#### Signal to Noise Ratio

Normal -58dB

E.D.R. Enabled -77dB

#### Frequency Response

100Hz–10kHz

#### Temperature Range

32°F to 122°F (0°C to +50°C)

#### FCC ID

B5DM524

### Transmitter

#### RF Power Switch

50mW “HI”, 5mW “Low”

#### Antenna

$\frac{1}{4}$  wave telescoping omnidirectional

#### AGC Range

30dB

#### Audio Input

XLR (A3F) or  $\frac{1}{4}$ -inch phone jack

#### Power Requirements

13VAC 60Hz @ 300mA or, 12–24VDC @ 300mA

### Receiver

#### Sensitivity

0.5uV typical, 1.0uV maximum

#### Distortion

<2% T.H.D.

#### Audio Output

@ 10% Distortion

#### Into 8 $\Omega$

2.0V/15 mW 3.0V/80mW

#### Into 32 $\Omega$

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)

#### FCC

Complies with Part 15

### Product Dimensions/Weight

#### TT-16

Dimensions: 1 $\frac{1}{4}$ in H x 7 $\frac{1}{4}$ in W x 6 $\frac{7}{8}$ in D  
(4.5cm x 19.2cm x 15cm),  
Weight: 2lb 4oz ( 0.99kg)

#### TR-16

Dimensions: 4in H x 2 $\frac{3}{4}$ in W x 1in D  
(10.16cm x 6.99cm x 2.54cm),  
Weight: 4oz (113g)

### Shipping Dimensions/Weight

#### TT-16

Dimensions: 4in H x 12in W x 18in D  
(10.16cm x 30.48cm x 45.72cm),  
Weight: 4lb (1.81kg)

#### TR-16

Dimensions 2in H x 5in W x 6in D  
(5.08cm x 12.7cm x 15.24cm),  
Weight: 1lb (0.45kg)

## Order Information

**TT-16** • 16-Channel Synthesized Wireless IFB Transmitter

**TR-16** • 16-Channel Synthesized Wireless Talent Receiver

The specification information is preliminary and is subject to change without notification.  
Brand names mentioned are the property of their respective companies.