



**BTR-24**  
Base Station



**TR-24**  
Beltpack



## Telex® RadioCom™ BTR-24 & TR-24 2.4 GHz Wireless Intercom

The Telex® BTR-24 and TR-24 series intercom is a full duplex (simultaneous talk and listen) wireless intercom system that offers a complete stand alone solution for 2 to 10 users utilizing the full duplex feature and an unlimited number of listen-only users. The BTR-24 system offers easy set-up, durable beltpacks, 64 bit audio encryption, easy system expansion and a 3 year warranty. The Telex® BTR-24 system operates utilizing the license free 2.4 GHz IEEE 802.11b “WiFi” standard.

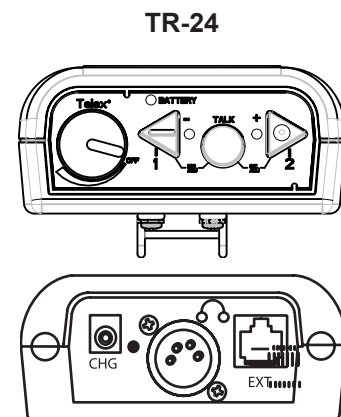
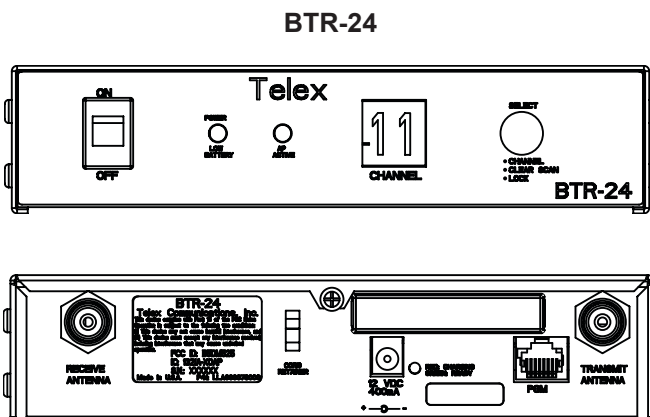
The BTR-24 system incorporates the option of three audio channels that are selectable at each TR-24 beltpack. The TR-24 beltpacks also provide the user with adjustable volume control, headset microphone level and local side tone level. The TR-24 will operate with Dynamic or Electret headset microphones and has a built-in lithium ion battery pack that will provide up to 8 hours on uninterrupted operation.

Upon start-up the BTR-24 base station automatically scans and selects the best RF (radio frequency) channel for communication with a feature called ClearScan™. The BTR-24 also has a built-in lithium ion battery pack that will provide up to 10 hours of uninterrupted operation or can be operated with the included wall mount AC power supply. The BTR-24 also includes rack mount hardware.

### Features

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>License Free Operation</li> <li>64 Bit Encrypted Audio</li> <li>Full Duplex Operation</li> <li>3 Audio Channels</li> <li>Automatic RF Channel Selection via ClearScan™</li> <li>Independent Volume Control and Headset Mic Level Control</li> <li>System Supports Up To 10 Beltpacks (Full-Duplex)</li> <li>Easy Set-Up and Operation</li> <li>Operates on IEEE 802.11b “WiFi” Standard</li> </ul> | <ul style="list-style-type: none"> <li>Operating Range Up To 800 ft, Line-of-Sight (Beltpack to Base Station)</li> <li>Low Battery Indicators on Beltpack and Base Station</li> <li>Battery Charge Indicators on Beltpack and Base Station</li> <li>Rack Mount for BTR-24 Included</li> <li>Independent Local Side Tone Level Control</li> <li>Programmable Beltpacks for Remote Group Operation</li> <li>Built In Lithium-Ion Battery Packs on BTR-24 and TR-24</li> </ul> |
|---|---|

### Line Drawing



# Telex® RadioCom™ BTR-24 & TR-24 Specifications

## Technology

2.4 GHz, IEEE 802.11b Wireless LAN Standard (WiFi)

## FCC License

None Required (License Free Use)

## Number of Users

2 to 10 Users per BTR-24 Base Station (Full-Duplex)

## Encryption

64 Bit (DES) Encryption Key

## Battery Type

Lithium Ion Rechargeable (Base Station and Beltpack)

## Battery Life – BTR-24

8-10 Hrs (Charge time 8 Hrs)

## Battery Life – TR-24

6-8 Hrs (Charge time 6 Hrs)

## Frequency Response

400 Hz to 5500 Hz

## Dynamic Range

>75dB

## Antenna

TR-24 Beltpack = Internal

BTR-24 Base Station = External TNC-RP

## Headsets

Dynamic or Electret Microphone elements can be used with TR-24 Beltpack

## Battery Status Indicators

Included on TR-24 and BTR-24

## Charge Status Indicators

Included on TR-24 and BTR-24

## Mic Level Adjustment

Programmable on TR-24, with Voice Prompts

## Local Sidetone Adjustment

Programmable on TR-24, with Voice Prompts

## Channel Indicators

TR-24 Beltpack – YES, Green LED

BTR-24 Base Station – YES, 7 Segment LED

## Warranty

3 Year Warranty

## BTR-24

Weight: 2lb 11oz

Dimensions: 6.00”L x 7.50”W x 1.72”H

## BTR-24 (Packaged, Includes rack mounts, antennas and power supply)

Weight: 5lb 7oz

Dimensions: 18.20”L x 11.50”W x 3.90”H

## TR-24

Weight: 12oz

Dimensions: 5.25”L x 3.75”W x 1.68”H

## TR-24 (Packaged, Includes power supply)

Weight: 1lb 10oz

Dimensions: 13.25”L x 9.00”W x 3.60”H

## SYS-243 (Packaged system, 3 TR-24's, 1 BTR-24, antennas, antennas and power supply)

Weight: 22lb 3oz

Dimensions: 25.30”L x 21.00”W x 9.30”H

## Ordering Information

**BTR-24** 2.4 GHz multi-channel wireless base station access point

Catalog Number: PRD000066000

**TR-24** 2.4 GHz multi-channel wireless beltpack with A4M headset connector

Catalog Number: PRD000065000

**SY3-243** 2.4 GHz multi-channel wireless beltpack and base station system

Catalog Number: SYS000007000

**PH-100** Single Sided Headset with A4F connector

Catalog Number: 301581007

**PH-200** Dual Sided Headset with A4F connector

Catalog Number: 301581002

**HR-1** Single Sided Headset with A4F connector

Catalog Number: 300534007

**HR-2** Dual Sided Headset with A4F connector

Catalog Number: 300534000

**PH-1** Single Sided Headset with A4F connector

Catalog Number: 64438100

**PH-2** Dual Sided Headset with A4F connector

Catalog Number: 64437100

**RA-3** Omni Antenna (3dB), with TNC reverse polarity connector

Catalog Number: 302054003

**RA-7** Omni Antenna (7dB), with TNC reverse polarity connector

Catalog Number: 302054004

**RA-5** Omni Antenna (5dB), with TNC reverse polarity connector

Catalog Number: 302054005

**FP-11** Flat Panel Directional Antenna (11dB) with TNC reverse polarity connector

Catalog Number: 302054006

**RPT-3** 3FT Coax with TNC reverse polarity connector

Catalog Number: 302054007

## RPT-10

10ft Coax with TNC reverse polarity connector

Catalog Number: 302054008

**TNC-RP** TNC reverse polarity coupler (jack-to-jack)

Catalog Number: 302054009

**CC-24** Carry case for BTR-24 system

Catalog Number: 302054010

**LG-Y** Headset Y cable for Telex Legacy™

Catalog Number: 302054012

**LG-PS** US power supply for BTR-24 and TR-24

Catalog Number: 532091000

**ANT-FP** Dual Diversity, Flat Patch Antenna with Coax

Catalog Number: 302054001

**ANT-FPM** Tilt and Swivel Antenna Mount Bracket

Catalog Number: 302054000

**XOB** Adjustable Nylon Belt

Catalog Number: 302054002

Telex Legacy™ Systems do not include headsets. Headsets must be ordered separately. Only Telex™ Headsets with dynamic microphones are compatible for use with Telex Legacy™ systems.

This specifications information is preliminary and is subject to change without notification.

Brand names mentioned are the property of their respective companies.