BTR-24
Base Station

TR-24
Beltpack

BTR-24 & TR-24
2.4 GHz Wireless Intercom

The Telex RadioCom 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 RadioCom 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 of 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

License Free Operation

64 Bit Encrypted Audio

Full Duplex Operation

3 Audio Channels

Automatic RF Channel Selection via ClearScan

Independent Volume Control and Headset Mic Level Control

System Supports Up To 10 Beltpacks (Full-Duplex)

Easy Set-Up and Operation

Operates on IEEE 802.11b "WiFi" Standard

Operating Range Up To 800 ft, Line-of-Sight (Beltpack to Base Station)

Low Battery Indicators on Beltpack and Base Station

Battery Charge Indicators on Beltpack and Base Station

Rack Mount for BTR-24 Included

Independent Local Side Tone Level Control

Programmable Beltpacks for Remote Group Operation

Built In Lithium-Ion Battery Packs on BTR-24 and TR-24

Line Drawing

BTR-24
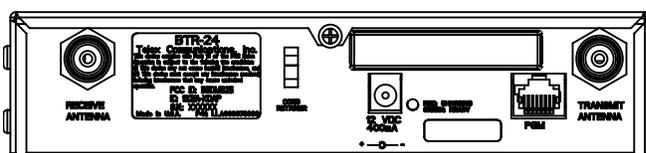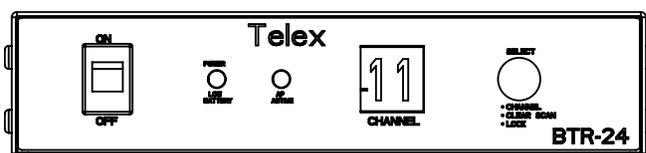
TR-24
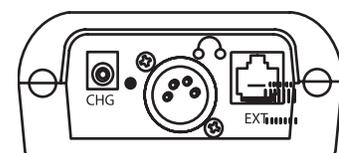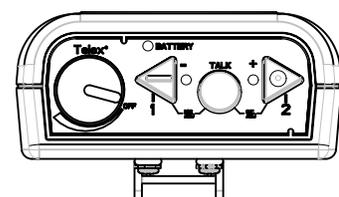
BTR-24 & TR-24 Specifications

Frequency Band of Operation
North America: 2.412-2.462 GHz
Europe: 2.412-2.472 GHz
Beltpack Headset Output
200 mW into 300 ohms (1% distortion)
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
10 Hrs (charge time 10-14 Hrs)
Battery Life – TR-24
8 Hrs (charge time 6-8 Hrs)
Frequency Response
400 Hz to 5500 Hz
Dynamic Range
>75 dB
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
Product Dimensions/Weight
BTR-24
6.00"L x 7.50"W x 1.72"H (15.24cm x 19.05cm x 4.27cm),
2 lbs 11 oz (.95 kg)
TR-24
5.25"L x 3.75"W x 1.68"H (13.34cm x 9.53cm x 4.27cm),
12 oz (.45 kg)
Shipping Dimensions/Weight
BTR-24 (Packaged, Includes rack mounts, antennas and power supply)
18.20"L x 11.50"W x 3.90"H (46.23cm x 29.21cm x 9.91cm), 5 lbs 7 oz (2.59 kg)
TR-24 (Packaged, Includes power supply)
13.25"L x 9"W x 3.60"H (33.66cm x 22.86cm x 9.14cm), 1 lb 10 oz (.49 kg)
SYS-243 (Packaged system, 3 TR-24's, 1 BTR-24, antennas, antennas and power supply)
25.30"L x 21"W x 9.30"H (64.26cm x 53.34cm x 23.62cm), 22 lbs 3 oz (10.12 kg)

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 (3 dB), with TNC reverse polarity connector
Catalog Number: 302054003
RA-7 Omni Antenna (7 dB), with TNC reverse polarity connector
Catalog Number: 302054004
RA-5 Omni Antenna (5 dB), with TNC reverse polarity connector
Catalog Number: 302054005
FP-11 Flat Panel Directional Antenna (11 dB) 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

Contact Information
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