BTR-80N Narrow Band
2-Channel UHF Synthesized Wireless Intercom System

- **User-adjustable receiver squelch control**
- **RF meter on BTR-80N, TR-80N and TR-82N**
- **Beltpack battery gauge on BTR-80N display**
- **Ability to turn off remote beltpack transmitter from base station**

- **BTR-80N is easily adapted for two transmitter output**
- **BTR-80N is designed for AC or DC power input**
- **Auxiliary audio input is assignable with level control**
- **"Fifth person" talk/listen user station at the BTR-80N base station**

- **Wireless talk-around - WTA (broadcast ISO)**
- **Stage announce (SA) output with relay closure**
- **Intelligent power control**
- **TR-82N dual listen operation**
- **Cast magnesium beltpacks**
- **Beltpack low battery indicator with tone warning**

The Telex BTR-80N Narrow Band wireless intercom system offers the most comprehensive, user friendly and versatile set of features available in wireless intercom systems anywhere in the world. Providing an unprecedented 25 KHz of modulated band width, the BTR-80N Narrow Band system will allow more users per channel in the cramped UHF spectrum. Combining the award-winning performance of the BTR-800 wireless intercom system with revolutionary Narrow Band technology and additional innovative features, the BTR-80N is the best-performing, most versatile wireless intercom system ever made.

While providing excellent audio performance, the Narrow Band system is based on the award-winning and world leading BTR-800 wireless intercom system and provides all of the standard features of the BTR-800 system, such as DSP digital processing and Intelligent Power Control, plus many more. The BTR-80N Narrow Band systems offers up to four full duplex wireless TR-80N or TR-82N beltpacks per base station. An unlimited number of additional beltpacks can be added in half duplex operation. Additional features include selectable transmitter power output, selectable receiver squelch control, RF meter display on base station and beltpack displays, remote battery indicators on base station display, low battery tone indicator on beltpack, AC or DC power input on base station, simultaneous 2-Wire and 4-Wire operation and many, many more.

Telex Communications, Inc. has been the world leading manufacturer and provider of wireless intercom systems and hardwired intercom systems for over 25 years. With mission critical installations in every corner of the world, Telex intercom systems provide the widest range of rugged and reliable intercommunications solutions for virtually any application.

TELEX®
Intercom

Features:

- **UHF OPERATION** — The BTR-80N, TR-80N and TR-82N operate in the UHF band from 482 to 698 MHz and operate in specific 18 MHz frequency bands. An industry-leading 27 frequency band combinations are available to order.

- **FREQUENCY AGILE —** Choose from 1440 user selectable frequencies in 25 KHz increments or select frequency plans from preset intermodulation avoiding groups. The independent 18 MHz frequency bands provide 720 TX and 720 RX selectable frequencies.

- **SELECTABLE OUTPUT POWER —** The BTR-80N, TR-80N and TR-82N provide a user-selectable transmit output power. The BTR-80N has a maximum output power of 249 mW down to 10 mW, with an additional setting to turn OFF transmit power to each individual transmitter. The TR-80N and TR-82N have a maximum output power of 100 mW down to 5 mW, with an additional setting to turn on the AUTO "Intelligent Power Control" feature to provide outstanding near-far operation.

- **ENGINEERING DEFINED FREQUENCY PLANS —** Each Narrow Band system comes with 36 engineering selected, intermodulation-avoiding groups of channel plans that allow even the most uninitiated user to get the system operational right out of the box. Telex has done all of the work for you!

- **FLEXIBLE NUMBER OF BELTPACK USERS PER BASE STATION —** In full-duplex operation, the BTR-80N will support up to 4 TR-80N or TR-82N beltpacks. By placing TR-80N or TR-82N beltpacks in "Push-to-Transmit" operation (half-duplex), you can expand your system to multiple users on one BTR-80N base station. When the TR-80N or TR-82N are placed in "Push-to-Transmit" operation, the intelligence of the narrow band system provides a "First-On-Latch-Out" feature that will not allow the beltpacks to interfere with each other when operating on the same frequency. This feature provides future expansion possibilities and will allow multiple users on the same channel whose primary function is to listen all the time and talk infrequently.

- **TWO-CHANNEL INTERCOM ACCESS —** Hardwired intercom channels that are run to the BTR-80N base station can be 2-wire (Party-Line) or 4-wire (digital matrix). These intercom inputs to the BTR-80N can be set up to be individual per channel or they can be mixed on a channel. Individual adjustment for IN and OUT level control are provided in the BTR-80N front panel user interface.

- **ENHANCED CLEARSCAN™ FREQUENCY SCAN AND AUTO SELECTION —** This powerful frequency scanning and selection feature is easily activated and progress is easily monitored on the TR-80N, TR-82N and BTR-80N display screens. Results are provided and users have the option to review, accept or reject the results. This dynamic feature allows system frequency selection and setup in just minutes in a new or unknown venue.

- **BATTERY OPTIONS —** The TR-80N and TR-82N beltpacks can operate from standard alkaline AA batteries or from the optional NiMH battery packs. Operation on alkaline batteries provides up to 12 hours of continuous duty and up to 10 hours on NiMH. Drop-in chargers are available in single and four-gang configurations.

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CONSUMER ALERT

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device. Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at www.fcc.gov/cgb/wirelessmicrophones.

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