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RKP-4   Four Button Wireless Keypanel

RKP-4B Wireless Keypanel Base Station

The RKP-4 wireless intercom system is 1 to 1(1 base station to 1 beltpack) full duplex, digitally encrypted wireless intercom and will provide communication directly to RTS Matrix communication systems.

- Frequency agility
- Digital Audio Encryption
- Advanced ClearScan
- Battery Telemetry to the Base

- Base Station to RF Meter
- Intelligent Power Control
- DSP Digital Audio Processing
- Proprietary Digital Audio

The RKP-4 system provides a menu driven, fully programmable 4 key user station in a wireless beltpack (RKP-4) and base station (RKP-4B) combo. The alphanumeric call waiting window is used for scrollable access to all ports, PL's, ISO's, IFB's, etc. and to check and make key assignments and is configured with AZ-EDIT software. Keys may be assigned to any intercom function including talk, listen, talk/listen, relay, PL, ISO, IFB, and SL. The RKP-4 System interfaces directly with ADAM, ADAM-CS, CS-9500, CS-9600, CS-9700, ZEUS, and ZEUS II.

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- **UHF OPERATION.** The RKP-4B and RKP-4 operate in the UHF frequency band from 482 MHz to 746 MHz. Base stations and beltpacks operate in specific 18 MHz frequency bands.

- **FREQUENCY AGILE.** Choose from 34 different frequency band splits. Choose from 50 preprogrammed factory selected intermod avoiding frequency groups that are provided for each frequency band split.

- **ADVANCED ClearScan™.** INCLUDES THREE OPTIONS: ClearScan™ Group: Scans all Factory and User defined Channel Groups and produces a list of open groups in order of maximum number of Channels available for a given Group. Once the Group is selected, pressing SET with that Group showing starts the ClearScan™ Channel function. ClearScan™ Channel: Scans the channels in the selected Group and produces a list of open Channels within the Group in order of best Channel first. ClearScan™ Band: Scans the entire 18 MHz band for clear frequencies regardless of Groups or Channels and is used to find one frequency in a tough RF environment.

- **BATTERY OPTIONS.** The RKP-4 beltpack can be operated from standard Alkaline AA batteries that provide up to 10 hours of continuous duty operation. For applications where rechargeable batteries are required, optional NiMH battery packs are available and offer up to 9 hours of continuous duty operation. Drop-in chargers are also available in single and four-gang configurations. The RKP-4 also has an audible low battery alarm that can be heard in your own headset. This alarm can be turned ON or OFF with the easy to use program interface located on the back of the RKP-4. Additionally, the RKP-4 sends battery status to the RKP-4B which is graphically displayed on the front panel.

- **RELAY CLOSURE.** Each RKP-4 beltpack can trigger a relay closure that can activate a light or a horn or other closure activated device.

- **INTELLIGENT POWER CONTROL™.** This technology takes performance to another level. Each RKP-4 beltpack senses when it is close to the base station and then intelligently reduces its transmit output power by 10dB. This effectively eliminates overloading the base station receiver front end which is the primary cause of the "near – far" desensing problem experienced in other wireless intercoms. The RKP-4 can be configured to use Intelligent Power Control™ (AUTO) or the transmit power can be set to HI power only or LO power only.

- **CAST MAGNESIUM BELTPACKS.** RKP-4 beltpacks are constructed of extremely light, strong and durable die cast magnesium. Using magnesium substantially decreases the weight of the beltpack while assuring the utmost ruggedness and durability.

- **GRAPHIC USER INTERFACE.** The RKP-4B and RKP-4 have easy to use user interfaces utilizing LCD displays. Custom graphic menus on the RKP's allow access to all of the powerful features and system operational parameters. The menu structures have been specifically designed to be intuitive and easy to use right out of the box.

- **SYSTEM CONFIGURATIONS.** Telex has worked hard to provide the right equipment when configuring large wireless intercom systems. When configuring RKP-4B's in a ten-drop system, the ACS-101 Antenna Combiner/Splitter will provide antenna feeds from the ten RKP-4B's to one transmit antenna and one receive antenna. Additionally, the FM-1 System Manager will assist in managing your systems frequency and intercom settings with the use of a System Manger Program (SMP). This easy to use, Windows® based program allows the user to configure frequency and systems settings of the RKP-4B and RKP-4.

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