

## Tempest900

### Wireless Headset Intercom System

#### TEMPEST900

Variations of the Tempest wireless headset intercom system are used by most NCAA football coaches so it will look familiar to sports fans. *This model intercom system will be attractive for nuclear plant outage tasks, and in particular-- communication for reactor services, for both disassembly/ reassembly and fuel movement.*

Tempest900 offers improved coverage in areas where more structural penetration is required, and in large enclosed areas where multi-path interference can be a factor. The longer wavelengths of the 900MHz frequency band allow Tempest900 signals to break through dense walls and other structural objects more readily, increasing the range for users and reduces any potential loss of audio.

Tempest900 operates in the FCC Part 15 license-free 902 to 928 MHz (26MHz) spectrum band, often referred to as the 900MHz ISM band. This digital system operates using FHSS (Frequency-Hopping Spread Spectrum) technology. A maximum of 5 base stations and 25 full duplex belt packs can be operated in same general area.

Five full duplex, hands free headset users are supported on one base station. Other systems only support four. Additional belt pack users can be added to a single base system if they are in either a momentary push-to-talk or listen only modes. Also, multiple base stations can be daisy-chained together to add additional talker users beyond five.

Tempest is designed to offer a wired-intercom feature set with the convenience, flexibility and freedom of wireless operation. Tempest is fully compatible with all major 2-Wire and Matrix intercom systems (4-wire).

Tempest900 has an optional remote transceiver that allow the base/repeater function remote from actual base station over CAT5 network cable. The remote transceiver can be placed up to 1500 cable feet from base station and can be wrapped in plastic since no ventilation is required. This allows rack mounting of base stations in a clean or low dose areas.

Tempest belt packs can operate on AA batteries. A rechargeable battery kit is also available with 5-bay charger and 5 lithium-polymer batteries.



Tempest900 base station with belt packs

#### Advantages of the Tempest900 System:

- License-free operation
- FHSS (Frequency-Hopping Spread Spectrum) technology
- Increased range and performance through structures, walls or crowds of people compared to higher frequency devices
- Reduced interference due to multi-path signals

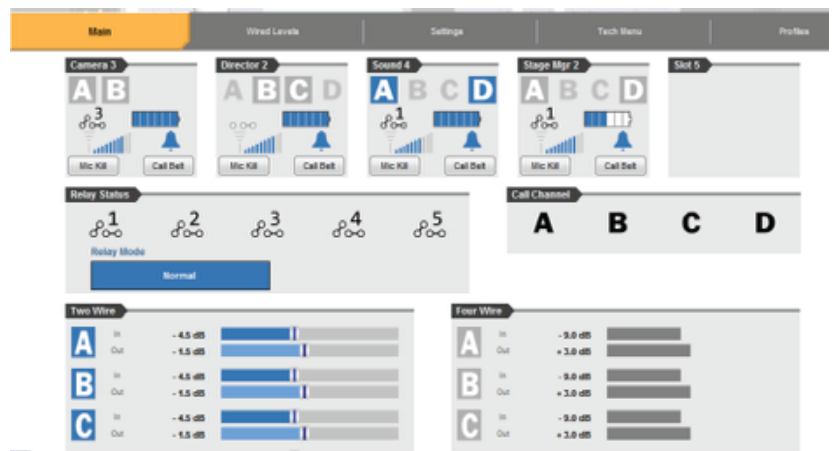
#### T-DESK SOFTWARE INCLUDED

Tempest900 is supplied with T-Desk, a PC-based desktop application for monitoring and managing the equipment in a wireless network. Not only does T-Desk simplify the configuration and management process, it provides ultimate flexibility by allowing these functions to be performed from a remote location via a LAN (Local Area Network) connection.

#### PRODUCT DETAILS

- Visually friendly and easy-to-use optimization tools
- Battery alert status dashboard
- Mic Kill functionality
- View and control 2-Wire/4-Wire I/O and Aux out levels
- BeltStation sidetone and mic adjustment
- Save and load device profiles for quick configuration

Screen shot of T-Desk software



Tempest900 remote transceiver