Push To Talk over IP
Satellite / Cellular / WiFi / Ethernet

RADIO ANYWHERE ™

Introducing the new IPR5000, IP Based Push To Talk system from Link Communications

- Secure IP based PTT device that least cost routes based on available IP sources
- Unlimited Channels and Talk Groups (contains groupings of channels)
- Web management tool enabling global configuration and depolyed units
- Visually stunning from the 1/4 VGA, Color TFT Active Matrix Display
- End to End encrypted to FIPS 140-2 compliant AES 256 bit
- Global routing service available utilizing five globally placed secure server clouds
- No Static IP's required when operating over Link's Virtual Trunk Routers
- Integrated GPS for unit location and tracking with internal or external antenna
- Optional integrated cellular radio for GSM, EVDO and other cellular networks
- Integrated cellular antenna and support for an external cellular antenna
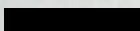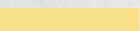
Specifications

Connections:

- **DC Power and Speaker:** IP67 sealed Conxall 5 pin supporting external speaker and DC power
- **External Cellular:** IP67 sealed TNC supporting the external cellular antenna option
- **Network and Microphone (front and back):** IP68 sealed Amphenol Rj45
- **External GPS:** IP67 sealed SMA supporting the external GPS antenna option
- **USB Port:** IP68 sealed Samtec connector supporting user insertable USB devices or a roof mounted radome containing integrated antenna's for Cellular, GPS and 902~928 MHZ off-network radio

Specifications:

- **Power:** 8V ~ 36V DC, 1.0 Amp maximum @ 12VDC input. Ignition input providing power-down mode
- **External Speaker:** 10W Class 'D' balanced audio output driving an 8 Ohm speaker
- **Hand Microphone:** Hand microphone includes PTT and Condensor microphone 300 Hz ~ 3KHz BW with support for both front or rear panel connection
- **Network:** 10/100M 10 base T connection supporting cabled VoIP and management software
- **GPS:** Integrated GPS receiver based on the Trimble Condor C1216 chipset. Internal ceramic patch antenna designed around a 25mm square patch antenna
- **DSP:** 500 MIPS based Analog Devices Blackfin running uC Linux Operating System
- **Display:** 320 x 240 pixels 65K colors TFT Active Matrix display
- **VoIP CODECS:** Speex, g.711 aLaw, g.711 uLaw, g.729 (lower bit-rate offerings in development)
- **VoIP Bandwidth:** 8 kbps minimum bandwidth assuming 500mS data packets
- **Encryption:** AES-256 bit FIPS 140-2 compliant encryption (available in certain areas)
- **Physical Size:** 7 in (178mm) W x 2.15 in (55mm) H x 3.78 in (96mm) D: Weight 24 oz (680 gram)
- **Temperature:** 0 F ~ 150 F (-20C ~ +70C), 95% Relative Humidity

Options:

- Speaker Microphone option removing the need for an external speaker which minimizes cabling
- Internal EVDO, GPRS and LTE cellular options are available for certain areas. non-certified areas support external USB cellular radio interface
- 2-way radio interface for most Land Mobile Radios (LMR). Radio will appear as a user on the system
- Three colors are available: Black   Tan   Green

Link Communications, Inc.   www.radio-anywhere.net   Made In The USA