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PTR-220-TK5710

Portable Tactical Interoperability Repeater & Link



(Shown with Kenwood TK-5710 Mobile Radios)

Weight: 60 Lbs.
1440 Case Dimensions
19.70"L x 12.00"W x 18.00"D

PTR-220

Portable Tactical Interoperability Repeater & Link

The PTR-220 was designed for portable repeater and interoperability needs for the field on a rapid deployment basis. The PTR-220 houses two radios of any radio band from almost any radio manufacturer that supplies a dash mount radio. Repeat capability is possible with Lo-Band, VHF, and UHF radio bands. Links to 700, 800 & 900 Mhz. systems is possible via the appropriate radio.

The system is simple to operate. With antennas deployed, power the unit up, power up the radios in the appropriate band, select the channel/frequency, press the appropriate radio enable button and press the system enable button and your connection is made. The RC-220 controller allows remote DTMF enable and disable per radio to activate an individual radio, or for the entire system.

The PTR-220 runs on a 30 amp external power supply/battery charger, with an internal 26 amp battery for back-up and can be daisy chained to multiple external batteries, shore power, generator, or solar panels for long-term operation.

The radios are modular, so a radio can be swapped in the field for rapid field repair, or configuration change. RF output levels are 10-50 watts, and duty cycles vary depending on the RF level selected. Internal, or external duplexers are available, or antenna configurations utilizing vertical separation are also available and very practical.

The RC-220 controller passes audio, so P-25, or analog radios can be used, or linked together. Trunking formats are also accommodated. Interface to the Network Innovations satellite system is also possible via an internal, or external interface.

Your Choice of Radios:



Most customer supplied dash mount radios are also acceptable

PTR-220 Features at a Glance

Accommodates analog or digital P-25 radios

Pelican 1440 Water Resistant Case with Wheels & Handle

30 amp Metered Power Supply

Internal 12V, 26Ah Battery for quick short-term deployment

Low Voltage & Charge Indicators

RC-220 Repeater Controller

Houses Up to 4 Radios (2 radios with RC-220 PTR-220 controller)

External Fuses for Ease of Service

Internal Speakers

External Antenna Connectors

Local switch for cross-band/tri-band repeat Radios 1 thru 4

Remote activation/deactivation via DTMF signaling from any or all three of the radios

Local supervisory switch overrides remote activation or deactivation

Programmable courtesy beep alerts receiving side that the other party that the channel is available

Low voltage sense input and programmable alert beeps for emergency battery back-up applications

Programmable station CW ID'er (Up to 10 characters)

All controller programming can be accomplished via DTMF signaling from any of the radios