



Cross-Band and In-Band Interoperability Solutions only From Ritron.....

The Ritron RadioNexus provides a cost-effective plug-and-play solution for those tough to tackle communication problems. The RadioNexus transceiver is available in both VHF and UHF frequency bands. Its rugged, all-steel, heavy duty construction, 2 Watt transmitter, Automatic "ON" AC Fail feature, AC and 12VDC operation, CTCSS or DCS signaling, Narrow or Wide band, and other PC programmable features provide system flexibility.

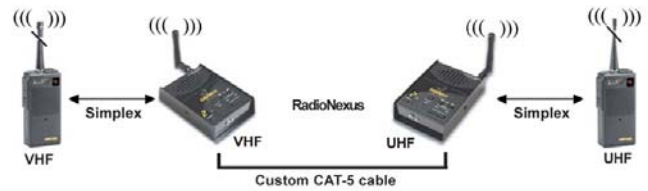
The versatile RJ-45 Type 5 E&M port allows simple "back-to-back" connectivity and interoperability between VHF and UHF frequency radios operating in simplex and/or through radio repeaters. A custom CAT-5 cable connects one RadioNexus transceiver to another for seamless communication between the bands. The Type 5 E&M port and the use of custom CAT-5 cable permits easy physical separation of the transceivers and their antennas in order to allow certain in-band* connectivity solutions.

**In-band applications may require minimum frequency separation, physical separation of the RadioNexus transceivers, and the possible use of special directional antennas.*

The Ritron RadioNexus Wireless Solution allows the following interoperability configurations:

Enables VHF Simplex Radios to talk with UHF Simplex Radios
Enables UHF Simplex Radios to talk with VHF Simplex Radios

- Portable
- Mobile
- CallBox
- Quick Talk



Enables VHF Simplex Radios to talk through a VHF Repeater
Enables VHF Simplex Radios to talk through a UHF Repeater
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Enables UHF Simplex Radios to talk through a VHF Repeater



Enables VHF Marine Simplex Radios to talk with VHF Simplex Radios
Enables VHF Marine Simplex Radios to talk with UHF Simplex Radios
Enables VHF Marine Simplex Radios to talk through a VHF Repeater
Enables VHF Marine Simplex Radios to talk through a UHF Repeater

Uses:

- Tunnels
- Underground Structures/Basements
- Heavily Shielded Structures
- Subterranean Locations
- High Rise Buildings
- First Responder Applications
- "Receive Only" To A Difficult To Penetrate Location
- "Transmit Only" From A Difficult To Penetrate Location

For over 27 years, Ritron has been designing and manufacturing a wide range of wireless communication solutions for business and industrial users, government agencies, and the military.

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