



Core of the Unication Two-Way Radio System



Repeater Series





Portable Two-Way Radio and Repeater (R&R)

Convenient portable repeater

Unication Portable Two-Way Radio R&R model can be converted into a small output power (5W) repeater. Users can extend the communication range immediately in an environment such as a basement or a deep forest.

- Easy to use.
- Can be used as a normal portable radio. When the R&R device is converted into a repeater, it does not need to set other radios to keep system working.
- Small power repeater doesn't need to apply new license.



Single Channel Repeater

A repeater to be used frequency and efficiently by using channel resource.

Single Channel Repeater is a fix device to implement bi-directional communication range. It can save the frequency usage, and there is no need to reconfigure the portable radio.

- Two-Way communication in a single 12.5 kHz bandwidth frequency.
- Automatically tuning the signals to enhance quality of the communication.
- Use only a single frequency. No need to apply for another new frequency license to extend the communication range.
- No need to repeat a set up for the portable radio.





Full Function Repeater

New generation Two-Way radio core device.

Full Function Repeater integrates multiple network systems into one device. It can immediately transfer digital and analog signals, manage and control the radio devices in the range and maneuver the staffs more efficiency.

Repeater Features:

- Repeat digital and analog signals, and it can transfer the signals by priority.
- Support cross-frequency transfer and radio roaming.
- Multi-Mode including conventional, trunking, single repeater and multi-repeater modes.

Other Network Connection:

- Connect to multiple network systems (PSTN, GSM and VoIP), and the users can leave messages when channels are busy.

Communication Monitor:

- Record instantly a live / transfer voice call.
- Listen live to a conversation with Unication Console via internet. Can interrupt any conversation and transmit voice call with the highest priority.
- Monitor signals within a range and detect the radios' status.
- Record GPS information of the portable radio users and transfer into Unication Console as a tracking database.

Remote Control:

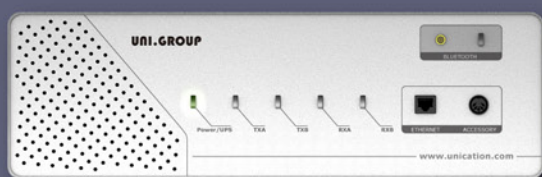
- Monitor working status with the Unication Console, and remotely change the repeater's function settings.



P25 Trunking Repeater

Use the frequency resource efficiently by trunking mode

P25-T repeater from Unication can use APCO's Trunking Repeater protocol to support wireless radio network. The system can serve multiple conversations and share data. (Future)





Function	Model	Radio & Repeater	Single Frequency Repeater	Full Function Repeater	P25 Trunking Repeater
Output Power		5W	25-50W	25-100W	25-100W
Size		Hand-held	Portable	Base station	Base station
Repeater Functions:					
Multi-Mode signal repeater				●	●
Specific signal repeater				●	●
Priority signal repeater				●	●
Convention and Trunking mode switch				●	●
Cross-frequency communication				●	●
Radio Roaming				●	●
Remote switch Single Repeater and multi-repeater working mode switch				●	●
Other Network System Connection:					
Support two-way communication with PSTN、GSM、VOIP			●	●	●
Leave message when channel is busy.			●	●	●
Communication Monitor:					
Voice recording		●	●	●	●
Message back-up			●	●	●
Live monitoring				●	●
Interrupt any communication with the highest priority				●	●
Function to stop radio transmission by force				●	●
Check radio signals in range			●	●	●
Radio GPS location tracking			●	●	●
Signal coverage range monitoring				●	●
Remote Control:					
Automatically report the working status to a Console periodically.				●	●
Remotely control repeater with a Console				●	●