HTT-900

Personal Role Radio

- Full duplex conference mode
- Ad-hoc networking
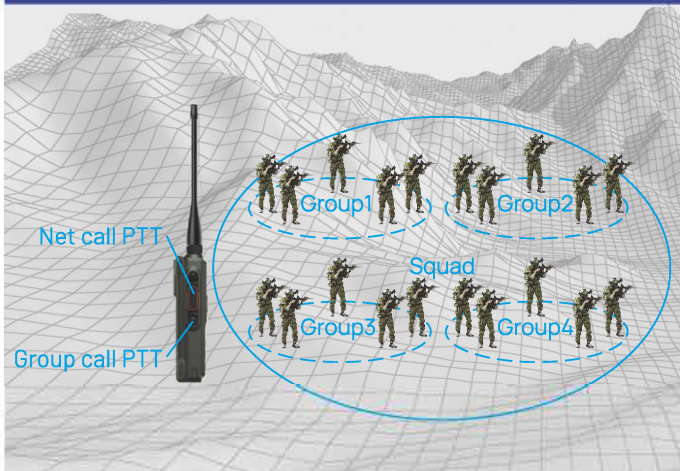- Situational awareness
- Secure voice and data

HTT-900 Personal Role Radio

Overview

The personal role radio provides secure voice and data communication to each member of the team. Full duplex, priority-based voice conference allows several simultaneous talkers. The radio is based on the Ad-hoc networking, supports multi-hop voice and data. The unique self-synchronization technology enables each radio in the network to automatically and rapidly synchronize without any external synchronization source.

Application Scenario

Ad-hoc Networking Conference

This radio offers Ad-hoc networking capabilities including automatic multi-hop services for voice and data, significantly enhancing situational awareness and operational effectiveness over harsh field conditions. The team can be divided into 4 groups to share network and realize group call and all call.

Situation Awareness

The situational awareness APP runs on the intelligent terminal. Through the transmission channel provided by the personal role radio, team members can use function such as sharing GPS position, target marking, remote parameter earsing, SMS and multimedia information sending ,intelligence, position tracking and commanding on the map.

Specification

General	
Frequency Range	350-450MHz
Bandwidth	20kHz,75kHz
Data Rate	≤60kbps
Data Interface	TTL serial port,WLAN,and Bluetooth
Weight	≤355g(with battery)
Dimension (HXWXD, mm)	152×62.5×37(without antenna)

Waveforms and COMSEC	
Voice and Data Modes	2GFSK
COMSEC	AES -256
Networking Capability	24-node,3-hop
Voice Communications	Up to 6 simultaneous speakers

Transmitter	
Output Power	1/2/3W

Receiver	
Sensitivity	≤–118dBm@BW=20kHz ≤–110dBm@BW=75kHz

Environmental	
Storage Temperature	-40°C~70°C
Operating Temperature	-30°C~60°C
Immersion	2 m,4h
Shock & Vibration	MIL-STD-810G
Electromagnetic	MIL-STD-461F

Accessories

Antenna

2400mAh Battery

Charger

Power Adapter