

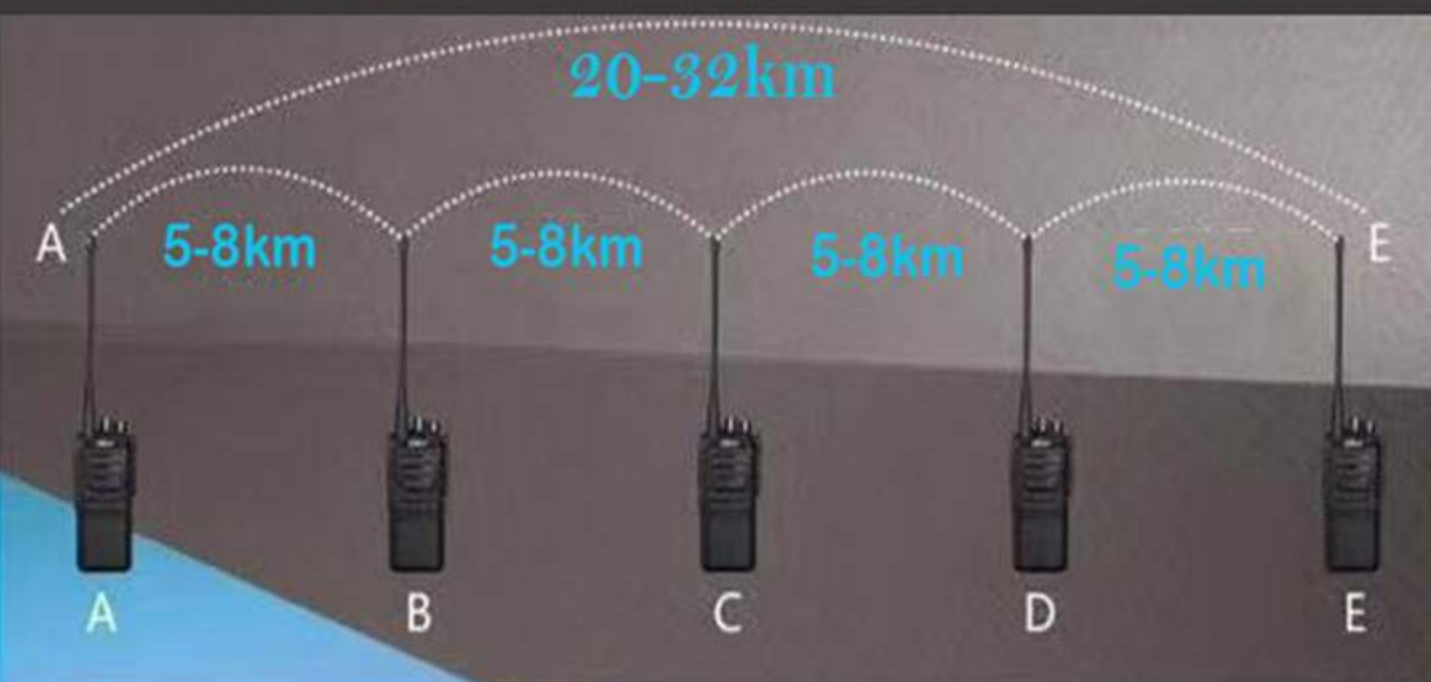
## Within Repeater Radios

## Support 30 times Jump and Transmit

DMR OS-T9900, based on military-grade encryption algorithm, with low power, low radiation, high confidentiality, good anti-interference and strong penetration ability.

### Advantage:

- First: DMR ;
- Second: Within Repeater , Jump 30 times , Increase distance.
- Three: Compare Analog 8w and 10w , voice more clear ;
- Fourth: Underground to ground , unlimited ;
- Five: Suit for Building , hotel, tunnel , etc;
- Six : Cut cost for repeater ;
- Seven: Can programming Group, One button locked;



### Specific

- DMR Within Repeater
- 35 Channel
- Uhf
- 50, CTCSS, 166 Dcs
- TOT Function
- Auto Save Battery
- VOX Function
- Low Power Remind
- Scan Function
- Wide or Narrow Frequency
- Scramble Function
- Companding Function
- PC Programming
- 400-470Mhz
- DMR

### General Function

|                               |                   |
|-------------------------------|-------------------|
| Frequency Range               | UHF:400-470MHz    |
| Battery Voltage               | DC7.4V            |
| Channel Capacity              | 35                |
| Antenna Impedance             | 50Ω               |
| Weight                        | 450g              |
| PLL Channel Spacing           | 12.5kHz/25KHz     |
| Battery Capacity              | 1500 mAh (11.1Wh) |
| Dimensions (without Antenna ) | 131*58*36mm       |

### Transmitter

|                       |                          |
|-----------------------|--------------------------|
| Modulation Type       | 25K/16KΦF3E 12.5K/8KΦF3E |
| Maximum Deviation     | 25K≤5kHz 12.5K≤2.5kHz    |
| Frequency Stability   | ±2.5ppm                  |
| Modulation Distortion | ≤5%                      |
| FM Ham And Noise      | -45dB                    |
| Intermodulation       | 67dB                     |
| FM Noise              | -36dBm                   |

### Receiver

|                               |                      |
|-------------------------------|----------------------|
| Sensitivity                   | -122dBm(12dB SINAD ) |
| Squelch Selectivity           | <0.2uV               |
| Adjacent Channel Selectiivity | 25K≥65dB 12.5K≥60dB  |
| Spurious Rejection            | ≥80dB                |
| Image Rejection               | 25K≥45dB 12.5K≥40dB  |
| AF Outpower                   | ≥0.5W                |
| Audio Distortion              | ≤5%                  |
| RF Power Output               | ≤ 5 W                |

### Environment

|                  |                                                         |
|------------------|---------------------------------------------------------|
| Work Temperature | -20℃~+60℃                                               |
| Save Temperature | -20℃~+70℃                                               |
| Standard         | According GJB 150-2009 & MIL-STD-810 C/D/E/F/G Standard |

\*The above specifications are tested in accordance with the TIA/EIA-603 standard. Due to the continuous updating of the technology, the above indicator data will be changed without notice.