

## Technical parameters

### General specification

Items	UHF
Frequency	446MHz
Channel Zone	16
Channel Capacity	4000 (250 Channels / Zone)
Antenna impedance	50Ω
Dimension(H*W*D)	92x56x28mm
Weight (W/battery)	128g
Li-pol battery	2200mm
Rated Voltage	DC: 3.7V

Battery:  
The average battery life under 5/5/90 duty cycle, and using carrier squelch and TX high power  
2200mAh Li-pol battery Analogue: 10.6hours / Digital: 14.3hours

Note: The battery working life may have little difference.  
Battery capacity maybe change without notice, but the list is standard specification.

### Transmitter

Items	UHF
Frequency	446MHz
Channel Spacing	12.5kHz/25kHz
Frequency stability (-30℃, +60℃, +25℃)	+/-1.5ppm
Low Power	0.5W
High power	2W
Modulation restriction	±2.5dB@12.5kHz / ±5.0dB@25kHz
FM hum& noise	-40dB@12.5kHz / -45dB@25kHz
Conducted/radiated emission	-36dBm<1GHz / -30dBm>1GHz
Adjacent channel selectivity	-60dB@12.5kHz / -65dB@25kHz
Audio Response	+1, -3dB
Audio Distortion	3%
FM modulation	12.5kHz :11KOF3E 25kHz :16KOF3E
4FSK digital modulation	12.5kHz data: 7K60F1D and 7K60FXD 12.5kHz audio: 7K60F1E and 77K60FXE 12.5kHz data and audio: 7K60F1W
Digital vocoder	AMBE+2™
Digital agreement	ETSI-TS102 361-1, -2, -3

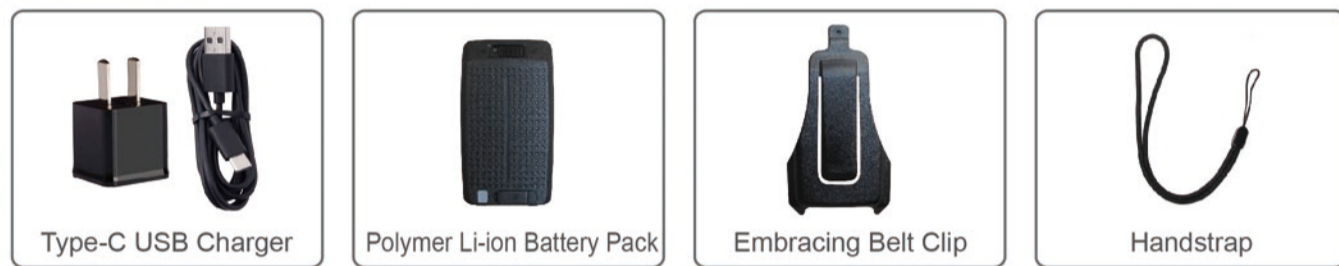
### Main Features:

- Private Call
- Group Call
- All Call
- Scan
- Kill
- Revive
- Battery Save Mode
- One-touch Call
- Remote Monitor
- Call Alert
- Records for 90 hours
- Prompt Tone On/Off
- Low Power Voice/Icon Prompt
- Support Voice Prompt for Channel Switching or Function-Option
- Three Programmable Buttons on Front Housing
- Two Programmable Buttons for long pressing are available on the side.

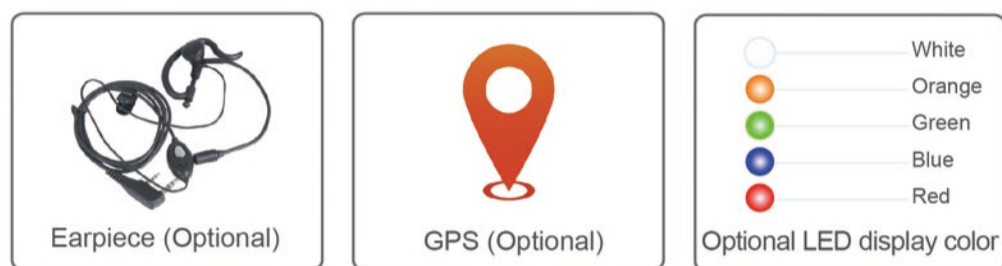
### Receiver

Items	UHF
Frequency	446MHz
Channel Spacing	12.5kHz/25kHz
Frequency stability (-20℃, +60℃, +25℃)	+/-1.5ppm
Analogue sensitivity	0.3μV / 0.25μV
Digital sensitivity(5% BER)	0.25μV / 0.2μV
Intermodulation	65dB
Adjacent channel selectivity	60dB@12.5kHz / 65dB@25kHz
Spurious rejection	65dB
Rated audio	500mw
Audio distortion @rated audio	3%
FM hum & noise	-40dB@12.5kHz / -45dB@25kHz
Audio response	+1, -3dB
Conducted / radiated emission	-57dBm

### Accessories:



### Optional:



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**Super record time up to 90 hours.**

## DR-320

Built-in antenna  
Ultra-slim design  
Type-C / USB connector

### Built-in antenna Slim and compact design

The design of integrated built-in antenna with the main unit makes the signal more stable. Light weight and compact, it can be operated with one hand, easy to collaborate and achieve more efficient work.



### Clear and loud voice

Built-in 36mm diameter large speakers with advanced voice processing technology, even in noisy environments, the sound quality is still clear and loud.



### Switching between Digital / analog mode

Working in analog and digital modes ensures a smooth transition from analog to digital. With several applications, rotate channel knob to switch between digital and analog modes.



### Large battery capacity

Using polymer lithium battery technology, the battery capacity is extended to **2200 mAh** ensuring long standby time. The built-in battery protection chip and stronger battery life satisfy the users.



### Embracing Belt Clip

Be equipped with advanced embracing type portable belt clip, holding at the waist for convenient use.



Kydera new generation DMR radio DR-320, it integrated brand new features, and be capable of all advanced digital technology features. It utilizes TDMA technology to attain double call capacity on a permitted frequency. Low noise, crystal clear sound, as well as confidential communication from advanced voice encoder technology, greatly improves working efficiency. It supports both digital analogue working modes.

This product is divided into following categories:

1. DR-320 without LED dot matrix display
2. DR-320W/O with white or orange LED dot matrix display.

### Features:

- ◆ True-2-slot: Provide 2-slot communication which allows for 2 talk paths on a frequency; comply with MotoTrbo Tier I&II.
- ◆ Support both digital and analogue modes, fantastic digital operation, and secure the smooth transition from analogue to digital, and improve the radio utilization.
- ◆ Equipped with the LED dot matrix display and definable sidekeys.
- ◆ LED dot matrix display can be set some common functions to convenient for operation and status checked.
- ◆ LED dot matrix display supports to show channel number, working mode and status icon etc, and make users had better experience with clear and visible operation.
- ◆ Support up to 4000 channels to cater to different communication demands. (Total 16 zones, 250 channels per zone.)
- ◆ Support to set menu operation on or off via software to convenient for task and application management.
- ◆ Using 2000MAh polymer lithium battery to secure longer working time.

### Applicable Occasion:

Be suitable for commerce, manufacturing, rail way, airport, shopping malls, security, entertainment venues, construction sites, property managements and other industries.

