

RT84

Broadband digital two way radio

DMR True2-slot dual time slot

Digital and analog compatible, smooth over

Digital signaling function

SMS function

High sound quality

Manual writing-frequency

High/Low power switch

Alarm function

Digital mode supports the use of relays

Side buttons can be customized without changing the user's operating habits



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Technical parameters:

Main technological specification

Frequency range	VHF:136-174MHz	Memory Channel	Up to 3000
	UHF:400-480MHz	Operating Voltage	7.4V DC
Frequency Stability	±1.0ppm	Operating Temperature	-30°C~+60°C
Demission (HxWxD)	133*62*36mm	Weight	About 300g(Include in battery and antenna)
	(No including the antenna)		

Transmission

Output power	High:5W Low:1W	Consumption	≤0.18A
Output Consumption	Analog≤1.6A Digital≤0.9A	Modulation Distortion	<5%
FM modulation	16KϕF3E@25KHz	Signal-to-noise(wide/narrow)	≥45dB@25KHz ≥40dB@12.5KHz
	/141KϕF3E@20KHz	Adjacent Channel	≤-65dB ≤-60dB
	11KϕF3E@12.5KHz	Power Audio Response	+1 ~ -3dB
4FSK digital modulation	12.5KHz for data: 7K60FXD	Antenna Port Spurious	9KHz-1GHz: ≤-36dBm
	12.5KHz for data and voice: 7K60FXE		1GHz-12.75GHz: ≤-30dBm
Digital Protocol	ETSI-TS102 361-1,-2,-3	Vocoder type	AMBE+2 TM

Reception

Analog receive sensitivity	-122dBm (12dB SINAD)	Signal imitation	≥70dB
Digital receive sensitivity	-120dBm(BER≤5%)	Intermediation(Wide/narrow)	≥62dB/≥58dB
Audio power	1W	Adjacent channel selectivity	≥65dB/≥60dB
Audio distortion	<10%	Receive Current	≤380mA
Audio response	+1 ~ -3dB	PM noise	≥45dB@25KHz /≥40dB @12.5KHz

Standard Accessories:

- 1 x Antenna
- 1 x Battery
- 1 x Adapter
- 1 x Charger
- 1 x Belt Clip
- 1 x Hand Strap
- 1 x User Manual
- 1 x Earpiece
- 1 x RT84 digital two way radio



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