

RA685

RA685 black handheld Ham Two Way Radio

Features:

1. Frequency range: 144-146MHz(RX/TX) 430-440MHz(RX/TX)
2. Dual band, Dual Display, Dual Standby
3. High, middle, and low power switching to meet the power requirements of users at different distances, more energy-saving and power-saving
4. Up to 128 memory channels for programming frequency and other various data
5. Multiple display modes such as channel number, frequency, channel frequency, channel name, etc.
6. CTCSS/DCS, DTMF signaling, reject redundant calls from other stations
7. The tail tone is eliminated to avoid the impact noise from the speaker after the call is over
8. VOX voice-activated transmission, no need to press the PTT button to talk normally
9. Emergency alarm, ANI identification and other functions through DTMF
10. DTMF, CTCSS (60.0 -259.9 HZ), DCS signaling codec function
11. 8 step frequency selection (2.5K, 5.0K, 6.25K, 10.0K, 12.5K, 20.0K, 25.0K, 50.0K)
12. Automatic power saving function to extend battery life
13. SOS emergency alert function
14. Computer programming function
15. Wide/narrow band (25KHz/12.5KHz) selection function
16. Digital FM radio (receiving 65-108MHz)
17. Direct selection of keyboard numbers for menu items, the transmit and receive frequency can be manually input
18. Special CTCSS/DCS (frequency hopping function)

Description

- Frequency measurement function, copy the frequency of other devices at any time
- 1.6-inch screen, Flashlight lighting function, FM,
- USB charging function, you can use the USB charging cable to directly charge the two way radio.



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TOTAL

Frequency Range	144-146MHZ(RX/TX) 430-440MHZ(RX/TX)
Channel No.	128
Channel Spacing	25/12.5kHz
Input voltage	7.4 VDC
Battery (standard configuration)	1800mAH(Li-Ion)
Battery Life (5-5-90, High power transmission)	About 14 Hours
Current Standby	≤65mA
Receive	≤450 mA
Transmit	≤1.8 A @high power, 850 mA @ low power
Frequency stability	±2.5ppm
Operating temperature	-20°C to +60°C
Antenna impedance	50Ω
Walkie-talkie size (With battery, but without antenna)	121×61×33mm
Walkie-talkie weight (Including antenna and battery)	223g

TRANMIT PART

Transmit output power	5W/3W/1W
Modulation	16K0F3E@25KHz, 11K0F3E@12.5KHz
Spurious emission	-36dBm<1GHz, -30dBm>1GHz
FM signal-to-noise ratio	45dB@25KHz, 40dB @12.5KHz
Audio distortion	≤5%
Modulation limit	±5.0 KHz@25 KHz, ±2.5 KHz@12.5 KHz
Adjacent channel power	70dB @ 25KHz, 60dB @ 12.5KHz
(300-3000Hz) Audio response	+1~3dB

RECEIVE PART

Receiving sensitivity	0.25μV (12dB SINAD)
Adjacent channel selectivity	≥60dB@25KHz , ≥55dB@12.5KHz
Intermodulation immunity	≥60dB@25KHz , ≥55dB@12.5KHz
Conducted spurious emissions	≤-57dB@25KHz, ≤-57dB @12.5KHz
FM signal-to-noise ratio	≥45dB@25KHz, ≥40dB @12.5KHz
Audio output power	1W @16ohms
Audio distortion	≤5%
Audio response(300-3000Hz)	+1 ~ -3dB

Package includes:

- 1 x RA685 Two Way Radio
- 1 x Battery
- 1 x Antenna
- 1 x Manual
- 1 x USB charger



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