

black box™

Professional 2-Way Radio



Main Features

Military Specifications

4 Watts, UHF/VHF

16 Channels (15+S CH), Busy Channel Lockout

All-Metal Chassis
Palm Size, Compact Design

38 CTCSS, 83 CDCSS

☛ This enables users to have frequencies that others are using, without hearing them. Similar to a garage door opener, this sub-audible tone prohibits anyone else "opening" your radio without this code.

6V/1100mAh Ni-MH Battery, Battery Save, Low Battery Alert

☛ Battery Save function can be turned on/off by the dealer. This function minimizes the amount of power used when no signal is being performed (no key is being pressed, and no switch is being turned).

Time-out Timer (TOT)

☛ If the transmission exceeds preset time, transmission will be stopped. This feature is used to prevent one from using the same channel for a long time.

Priority Scan

☛ Channel scanning provides users with an easy way to monitor multiple channels for activity. The radio will scan the priority channel periodically while receiving a call on another non-priority channel.

Specifications

General

Frequency Range	VHF: 150-174MHz UHF: 450-470MHz
Channel Capacity	16 ch
Operation Voltage	6V DC
Channel Spacing	25 / 12.5 KHz
Modulation Mode	F3E
Antenna Impedance	50 Ω
Dimension	108 (L) x 54.2 (W) x 37.4 (H) mm
Weight	273g (with Battery & Antenna)
Battery	6V/1100mAh Ni-MH Battery

Transmitter

Output Power	4W
Frequency Stability	+/-5ppm
Modulation Limiting	+/-5KHz
Modulation Distortion	< 5%
Residual Frequency Modulation	-40dB
Adjacent Channel Power	65dB
Bandwidth	<16KHz
Spurious Emission	< 7.5uW

Receiver

Reference Sensitivity	0.25uV
AF Output Power	> 0.5W
Audio Distortion	< 5%
Co-channel Rejection	8dB
Blocking	85dB
Adjacent Channel Selectivity	60dB
Intermodulation Rejection	60dB
Spurious Response Rejection	60dB



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