

## Specifications

Certified in accordance with FCC Rules and Regulations Part 15, Subpart C, as of date of manufacture.

Channels: ..... 200

Banks: ..... 10 (20 channels each)

Frequency Range (in MHz):

25.0–27.995 ..... Citizens Band/Business Band

28.0–29.995 ..... 10 Meter Amateur Band

30.0–49.995 ..... VHF Low Band

50.0–54.0 ..... 6 Meter Amateur Band

137.0–143.995 MHz ..... Military Land Mobile

144.0–147.995 ..... 2 Meter Amateur Band

148.0–174.0 ..... VHF High Band

Above bands in 5 kHz steps

108.0–136.9875 ..... Aircraft Band

806.0–823.9875 ..... “800” Band

849.0125–868.9875 ..... “800” Band

894.0125–956.0 ..... “800” Band

Above bands in 12.5 kHz steps

406.0–419.99375 ..... Federal Land Mobile

420.0–449.99375 ..... 70 cm Amateur Band

450.0–469.99375 ..... UHF Standard Band

470.0–512.0 ..... UHF TV Band

Above bands in 6.25 kHz steps

## Specifications

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Sensitivity (S+N)/N = 20 dB

|                         |             |
|-------------------------|-------------|
| 25.005 MHz (AM) .....   | 0.5 $\mu$ V |
| 40.840 MHz (FM) .....   | 0.3 $\mu$ V |
| 49.900 MHz (FM) .....   | 0.3 $\mu$ V |
| 118.800 MHz (AM) .....  | 0.5 $\mu$ V |
| 127.175 MHz (AM) .....  | 0.5 $\mu$ V |
| 135.500 MHz (AM) .....  | 0.5 $\mu$ V |
| 138.150 MHz (FM) .....  | 0.3 $\mu$ V |
| 162.400 MHz (FM) .....  | 0.3 $\mu$ V |
| 173.225 MHz (FM) .....  | 0.3 $\mu$ V |
| 406.875 MHz (FM) .....  | 0.3 $\mu$ V |
| 453.250 MHz (FM) .....  | 0.3 $\mu$ V |
| 511.9125 MHz (FM) ..... | 0.3 $\mu$ V |
| 806.000 MHz (FM) .....  | 0.4 $\mu$ V |
| 857.200 MHz (FM) .....  | 0.4 $\mu$ V |
| 954.9125 MHz (FM) ..... | 0.4 $\mu$ V |

Operating Temperature:

|                  |                |
|------------------|----------------|
| Normal .....     | –20°C to +60°C |
| Close Call ..... | –10°C to +50°C |

Scan Rate: ..... 50 channels per second (max)

Search Rate

|              |                            |
|--------------|----------------------------|
| Normal ..... | 60 steps per second (max)  |
| Hyper .....  | 180 steps per second (max) |

Priority Sampling ..... 2 seconds

Scan Delay: ..... 2 seconds

IF Rejection (at 162.4 MHz) ..... 100 dB

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#### IF Frequencies

1st IF (25-174 MHz).....380.6050-380.7000 MHz  
1st IF (406-512 MHz) .....380.6125-380.7000 MHz  
1st IF (806-956 MHz) .....380.7000-380.7875 MHz  
2nd IF ..... 21.3 MHz  
3rd IF ..... 450 kHz

Audio Output ..... 490 mW maximum

Built-in Speaker ..... 32 mm dia, 8 ohm  
Dynamic Type

#### Current Drain

Squelched ..... 110 mA  
Full Output ..... 310 mA

#### Power Requirements:

2 AA Alkaline Batteries (3V DC),  
or 2 AA Rechargeable Ni-MH Batteries (2.4V DC),  
or AC Adapter (6 VDC 500mAh)

Antenna: ..... 50 ohms (Impedance)

External Jacks: ..... Antenna Jack BNC Type  
Ext. Speaker Jack 3.5mm

DC Power Jack .....4.4 mm

Size: .....2<sup>3</sup>/<sub>4</sub> in. (W) x 1<sup>3</sup>/<sub>4</sub> in. (D) x 4<sup>1</sup>/<sub>2</sub> in. (H)

Weight: .....5.8 oz

Features, specifications, and availability of optional  
accessories are all subject to change without notice.

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