

RBS Series Base Station 2-Way Radio

Rugged, Fixed Location Radio.
AC or 12V DC Powered.

UHF, DMR Digital/Analog.



Always Ready...

Always There...

Always On!



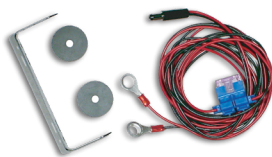
- UHF, Digital DMR and Analog Narrow Band Capability
- Tier-2 DMR Digital
- Rugged, All-Metal Housing, Durable Powder-Coat Finish
- Configurable for radio repeater operation
- Small Size: 5.59"H X 3.786"W X 1.387"D
- 2.5 Watt Transmitter
- LCD Display, 2-line, Backlit, 8 Alphanumeric Characters Per Line
- 20 Channels/RX Groups, 48 Contacts Capacity. Any combination of 48 Contacts Per Channel
- 2 Programmable function buttons (PFB) allows quick access to radio features/functions/contact list
- Loud, 1 Watt Audio Output
- Audio Accessory Connector - Hand Mic/Ear Loop or External Speaker
- 1 Year Warranty
- Designed and Made In The USA
- Regulatory Approvals: FCC and IC Industry Canada



Accessories



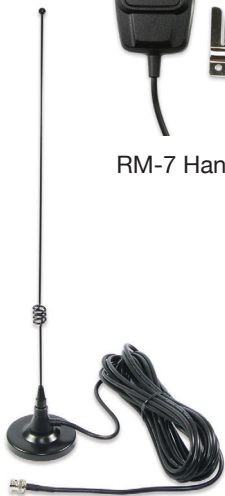
RSP-5 External Speaker



JBSK-12-12V, Adaptor Kit



RM-7 Hand Mic



RAM 1545 Antenna

General

Frequency Range
Channel Steps
Frequency Stability
FCC ID
Industry Canada
Channels
DMR Contacts Capacity
DMR Signaling

Analog Signaling

Channel Spacing
Operating Voltage
Operating Temperature
Environmental
Size
Weight
LCD Display, Backlit
Controls

Accessory Connectors
DC Power Connector
Antenna Connector
Antenna
RPS-1B Input Voltage
Output Voltage

Receiver

Sensitivity (12dB SINAD)
Digital Sensitivity
Adjacent Channel Rejection
Intermodulation Rejection
Conducted Spurious Emission
Spurious Rejection
Audio Distortion
Audio Power Output
Channel Scan Rate
Analog Squelch

Transmitter

Power Output
Analog FM Modulation
Hum & Noise Ratio
Spurious Emission
4FSK Digital Modulation

Audio Distortion
DMR FSK Error Rate

RBS-477DMR

450-470 MHz
3.125 kHzs
+/- 1.5 ppm
AIERIT50-477DMR
ID: 1084A-RIT50477DMR
20 Channels (Analog, DMR or Mixed Mode)
48 Contacts / 20 RX groups / 48 Contacts per RX Group
16 Color Codes / Individual ID / Group ID Analog Contacts 10 (2-Tone, DTMF, Selcall)
CTCSS (Quiet Call), Digital Coded Squelch (Digital Quiet Call), Selcall (3-9 Digits), 2-Tone (300-1500 Hz)
12.5 kHz (Analog or DMR)
+12 VDC
-30°C to +60°C
Indoor use only
5.598"H (14.2 cm) x 3.786"W (9.6 cm) x 1.387"D (3.5 cm)
1.41 lb. (with AFB-1545 antenna)
2 Line, 16 Character, Alpha Numeric (front panel)
6 front panel push buttons – PTT, On/Volume Up, Volume Down/Off, Channel, 2 programmable Function buttons (P1/P2) Programming Connector USB Mini-B (bottom panel access)
3.5mm speaker / 2.5mm microphone (end panel access)
2.1mm coaxial DC Jack (size M) (rear panel connection)
50Ω BNC (rear panel connection)
AFB-1545 dual-band (150-170 MHz, 450-470 MHz)
110-240, VAC, 60 Hz typical (90-264 VAC rated) RPS-1B
2 VDC, 1.5A

RBS-477DMR

≤ 0.2μV (-121 dBm)
≤ 0.28μV (-118 dBm)
-65 dB @ 12.5 kHz
63 dB
< 10 μV
> 70 dB Blocking 88.5 dB Hum & Noise 40.5 dB
4.5 %
1W / 8Ω
120ms per channel
Set for 11-14 dB SINAD, Adjustable -126 to -116 dBm

RBS-477DMR

2.5W Analog
11K0F3E (analog)
< 34dB
-20 dBm or less
7K60FXD (2 Slot DMR TDMA Data)
7K60FXE (2 Slot DMR TDMA Voice)
7K60FXW (2 Slot DMR TDMA Data & Voice)
< 1.4%
< 2.5%

Compatible Ritron Products...



2-Way Callboxes



Repeaters for Extended Range



Wireless PA



Portable Radios

