



DMR Mobile Radio



BRM350D UHF / VHF

WORKS WITH YOUR CURRENT RADIOS!

Guaranteed compatible with all major brands.

RCA's BRM350D is an analog/digital mobile radio with up to 50 watts of power for maximum signal coverage. This rugged and affordable radio will help you stay in touch without breaking your budget. The BRM350D has a wide variety of features that will enable you to communicate effectively and efficiently.

BRM350D FEATURES

CROSS-BRAND COMPATIBILITY Designed according to the Digital DMR ETSI Standard TS 102 361-1,-2,-3, the BRM350D series mobiles are compatible with all RCA two-way radios as well as all other major brands, including digital equipment, such as Motorola, Hytera and Vertex series digital two-way radios and repeaters.

ANALOG + DIGITAL OPERATION Capable of operating in both analog and digital modes, the BRM350D mobile radio offers Digital DMR Tier II and Prodigy Plus™ operating modes.

IMPROVED COMMUNICATION RANGE Today's digital technology allows for the transmitted signal to be clear of background noise regardless of the distance between two radio units, providing virtually no deterioration of the voice quality. This provides a larger usable coverage area where analog communication will be very poor or not possible at all.

TOUGH AND RELIABLE Your team needs radios that will not fail them, regardless of the working environment. The BRM350D mobile radio is designed and built with the most demanding conditions in mind, providing simple and cost-effective communication solution connecting your workforce efficiently and reliably allowing you to focus on growing your business.

TRUE OPERATIONAL VERSATILITY The BRM350D mobile radio has a large dot-matrix display and 7 programmable function keys. Businesses, Departments and Government Agencies can take advantage of advanced features such as Caller ID, Group and Private Call, Radio Check, Radio Monitor, Radio Enable/Disable, Emergency, Lone Worker Alerts, Text Messaging, Pre-Saved Status Messaging, 2-Tone, 5-Tone, DTMF Encode/Decode and MDC1200.

ENCRYPTION OPTIONS Secure communications are essential. The BRM350D mobile radio meets today's demand for safe and private voice and data transmissions by providing flexibility to its users to choose from multiple advanced options. The radio is equipped standard with Basic 16-bit and Enhanced 40-bit encryption options as well as optional upgrade to ARC4 encryption.

INDUSTRY LEADING WARRANTY The BRM350D mobile is backed standard by an industry leading, hassle-free Three (3) Year Warranty.



- ① **1,000 Channels / 250 Zones**
- ② **Volume Knob and Programmable Button**
- ③ **LCD Display**
- ④ **LED Indicator**
- ⑤ **Internal Speaker**
- ⑥ **On/Off Button**
- ⑦ **Channel Select/Programmable Buttons[▲]/[▼]**
- ⑧ **Programmable Buttons P1 - P4**
- ⑨ **Speaker Microphone (Standard)**
- ⑩ **Push-To-Talk Button[PTT]**

DIGITAL VOICE SYSTEMS, INC.
The Speech Compression Specialists
AMBE+2 Vocodor



BRM350D SPECIFICATIONS

GENERAL			
Frequency Bands	136 - 174 MHz (VHF "V"); 400 - 470 MHz (UHF "U"); 450 - 520 MHz (UHF "U2")		
Dimensions	1.8" X 6.3" X 6.9" 46 x 160 x 175mm		
Weight	2.9 lbs / 1,315 g		
Power Supply	13.6V DC +/-20%		
Channels	1,000		
Zones	250		
Channels/Zone	16 channels per zone		
Frequency Stability	<1.0 ppm		
Environmental Protection	IP54 (Water Resistant/Dust Proof)		
Environmental Standards	MIL-STD-810 C,D,E,F,G	Method	Procedure
	Low Pressure	500.4	I, II
	High Temperature	501.4	I, II
	Low Temperature	502.4	I, II
	Temperature Shock	503.4	I
	Solar Radiation	505.4	I
	Rain Blowing/Drip	506.4	I, III
	Humidity	507.4	-
	Salt Fog	509.4	-
	Dust Blowing	510.4	I
	Vibration	514.5	I
	Shock	516.5	I, IV
Operating Temperature	-22°F (-30°C) ~ 140°F (60°C)		
Storage Temperature	-40° C / +85° C		
Vocoder	AMBE+2™		
Digital Protocol	ETSI TS 102 361-1,-2,-3		

TRANSMITTER SPECIFICATION	
Power Output	Up to 50W, 3 Programmable Levels
Audio Response	+1 dB ~ -3 dB @ 300 to 3,000 Hz
Hum and Noise	-40dB (12.5KHz)
Conducted/Radiated Emission	-36dBm@<1GHz, -30dBm@>1GHz
Adjacent Channel Power	-60dB
FM Modulation Mode	12.5KHz: 11K0F3E 25KHz: 16K0F3E
4FSK Digital Mode	12.5KHz Data: 7K60FXD 12.5KHz Data/Voice: 7K60FXE
4FSK Modulation Accuracy	5% @ 77°F, 10% @ extreme temperature
RECEIVER SPECIFICATION	
Analog Sensitivity	0.35μV/-116dBm (20 dB SINAD) 0.22μV/-120dBm (12 dB SINAD)
Digital Sensitivity	0.3μV/-11.4dBm (BER 5%) 0.7μV/-110dBm (BER 1%)
Selectivity	60 dB (12.5kHz); 70 dB (20/25 kHz)
Adjacent Channel Selectivity	TIA603C: 60dB ETSI: 60dB
Spurious Rejection	TIA603C: 75dB; ETSI: 70dB
Co-channel rejection	-8dB@12.5KHz
Blocking	84dB
Rated Audio Output Power	5W @ 8 Ohms
Rated Audio Distortion	≤3%
Intermodulation	70 dB
Audio Response	+1 dB to -3 dB @ 300 to 3000 Hz
Conducted Spurious Emission	-57 dBm <1GHz, -47 dBm >1GHz ETSI300 086



For more information, visit www.RCACommunicationsSystems.com

ACCESSORIES

BRM350D Accessories



Standard Microphone
MM301HD



Keypad Microphone
MM301HDK



Desktop Microphone
DMM1250



**Base Station
Conversion Kit**
BSC300D PKG



**Remote Mount
Control Head Kit**
RMK300



External Speaker
EXSPK300D



DC Power Cord
PC300-12



UHF Antenna
B4503



VHF Antenna
B1443



NMO Magnetic Mount
G8PI



NMO Hole Mount
MB8PI



**High Noise
Reduction Headset**
HS75NR



Communications Systems Created in U.S.A.

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For Sales, Warranty and Customer Support please contact: