



ROVER

PROFESSIONAL DUAL BAND
DMR MOBILE RADIO

**POWERFUL
COMMUNICATION.
BUILT TO PERFORM.**



50W / 40W
HIGH POWER OUTPUT
VHF 50W | UHF 40W



DUAL BAND DMR
ANALOG + DIGITAL
TDMA TECHNOLOGY



GPS TRACKING
REAL-TIME LOCATION
MONITORING



3000 CHANNELS
250 ZONES
10,000 CONTACTS



CLEAR AUDIO
Powerful & Stable
Audio Output



DUAL BAND
VHF & UHF
Operation



200 CHANNELS
High Channel Capacity
for Multiple Teams



**DTMF ENCODING
& DECODING**
Advanced Signaling
Capability

MODEL NO.

R-9000

**COMMUNICATE WITH POWER.
WHEREVER YOU OPERATE.**



www.roverwalkietalkie.com



info@roverwalkietalkie.com

MODEL

R-9000

DUAL BAND DMR
MOBILE RADIO

POWERFUL COMMUNICATION. BUILT TO PERFORM.

High-power digital mobile radio
designed for reliable, long-range
and secure communication in
any environment.



CLEAR AUDIO
Powerful & Stable
Audio Output



DUAL BAND
VHF & UHF
Operation



200 CHANNELS
High Channel Capacity
for Multiple Teams



**DTMF ENCODING
& DECODING**
Advanced Signaling
Capability

TECHNICAL SPECIFICATIONS

FEATURE	DETAILS
Model	ROVER R-9000
Frequency Range	VHF: 136-174MHz UHF: 400-480MHz
Channel Capacity	200 Channels
Operating Voltage	13.8V DC $\pm 15\%$
Operating Temperature	-30°C to +60°C
Current Consumption	Transmit: $\leq 10A$ Standby: $\leq 1.5A$
Modulation Type	4FSK Digital / 16K0F3E Analog
Frequency Stability	± 1.5 ppm
RF Output Power	High Power: 45W Low Power: 5W
Audio Output Power	$\geq 3W$ @ 16 Ω
Receiver Sensitivity	Digital: ≤ 0.25 μV / BER 5% Analog: ≤ 0.22 μV (12dB SINAD)
Audio Distortion	$\leq 3\%$
Antenna Impedance	50 Ω
Dimensions (W×H×D)	158 × 52 × 160 mm
Weight	1.25 kg
Communication Mode	DMR Tier I & II / Analog
DTMF	DTMF Encoding & Decoding
Scan	Channel Scan / Priority Scan

POWER & PERFORMANCE

 RF Power Output	High Power 45W Low Power 5W
 Battery Voltage	12.6V DC $\pm 15\%$
 Channel Spacing	12.5KHz / 20KHz / 25KHz
 Operating Range	Long-Range Communication Stable across large areas
 Cooling System	Efficient Heat Dissipation for Continuous Operation

TRANSMISSION PERFORMANCE

 DMR Tier I & II	Supports both Tier I & Tier II
 Dual Time Slot	Double the capacity in one frequency
 Enhanced Privacy	Private calls, group calls & all call
 Digital Voice	Crystal clear digital audio
 Emergency Call	Built-in emergency alert function
 Remote Monitor	Remote monitor & kill / revive
 Text Messaging	Quick text messaging support

KEY BENEFITS

-  **High Reliability**
Built for mission-critical communications.
-  **Flexible Connectivity**
Supports both digital & analog mode.
-  **Team Collaboration**
High channel capacity for large teams.

ADVANCED FEATURES

-  **Dual Band Operation**
VHF & UHF in one device.
-  **Programmable Keys**
Customizable buttons for quick access.
-  **Voice Annunciation**
Channel number & function voice prompts.

OPERATIONAL EFFICIENCY

-  **Wide Compatibility**
Works with other DMR standard radios.
-  **Easy Installation**
Compact design for vehicle mounting.
-  **User Friendly**
Intuitive interface for easy operation.

APPLICATIONS

-  Public Safety
-  Transportation & Logistics
-  Construction
-  Industrial Sites
-  Government

DURABILITY & DESIGN

-  Rugged & compact build
-  Withstands harsh environments
-  Aluminum die-cast chassis
- Designed for 24/7 continuous operation

IDEAL FOR



ROVER[®] R-9000

DUAL BAND DMR MOBILE RADIO

OPERATION & SAFETY GUIDE

Use Your ROVER R-9000
Safely & Efficiently

HOW TO USE



POWER ON / OFF

Long press the **Power On/Off Knob** for 3 seconds to turn ON or OFF.



ADJUST VOLUME

Rotate the **Volume Knob** clockwise to increase volume.
Rotate counter-clockwise to decrease.
16 levels available. Level 0 turns the voice OFF.



TRANSMIT & RECEIVE

Press and hold the **PTT Button** to talk.
Release to listen. During transmission LED turns **RED**. During reception LED turns **GREEN**.



SWITCH CHANNELS

Push the **Channel Toggle**, up for lower channels, down for higher channels.
Long press to switch channels quickly.



USE FUNCTION KEYS

Use P1, P2, P3, P4 keys for programmable functions for quick access.
Refer to user manual for programming.



IMPORTANT SAFETY



DO NOT use the radio in explosive environments such as gas, dust, smoke, or near flammable materials.



TURN OFF the radio when filling fuel or while at a petrol station.



DO NOT open or modify the radio.
Maintenance must be performed by **qualified technicians**.



DO NOT use the radio with a damaged antenna.
Touching it may cause burns.



KEEP the radio away from airbags.
Do not place it in the airbag deployment area.



KEEP at least 5 cm distance between the antenna and your body while transmitting.

POWER & INSTALLATION



POWER INPUT



- Direct 12V / 24V DC vehicle connection.
- Connects to vehicle battery or ignition line.
- Stable power for continuous operation.



INSTALLATION



- Dashboard or console mounting bracket.
- Compact design for vehicle integration.
- Secure placement for daily operation.



CONNECTIVITY



- External antenna for extended range.
- Wired microphone with clip mount.
- Reliable communication inside vehicles.



SMART FEATURES



200 CHANNELS
High Channel Capacity for Multiple Teams



DUAL BAND DMR
VHF & UHF Operation for Wide Coverage



DTMF ENCODING & DECODING
Advanced Signaling Capability



ENHANCED PRIVACY
Private Calls, Group Calls & All Call Support



RELIABLE PERFORMANCE
Stable Communication in Any Environment



TRANSPORTATION



WAREHOUSING



CONSTRUCTION



SECURITY



EMERGENCY SERVICES

ROVER

R-9000

DUAL BAND DMR MOBILE RADIO

KNOW YOUR R-9000 RADIO

Every Control Matters.
Built for Professional Communication.



KEY FEATURES

- HIGH POWER OUTPUT**
50W VHF / 40W UHF
- DUAL BAND**
VHF & UHF
- DIGITAL & ANALOG**
DMR Tier I & II
Analog Compatible
- GPS TRACKING**
(Optional)
- 3000 CHANNELS**
250 ZONES
- CLEAR DIGITAL AUDIO**
Loud & Clear Sound
- ENHANCED SECURITY**
Encryption Support



BACK VIEW



MICROPHONE



1 POWER BUTTON / VOLUME KNOB

Turn the radio ON/OFF. Rotate to adjust volume.

2 CHANNEL SELECTOR / NAVIGATION KNOB

Rotate to change channels or navigate through menus.

3 FUNCTION KEYS (P1 / P2 / P3 / P4)

Programmable keys for quick access to commonly used functions.

4 LCD DISPLAY SCREEN

Displays channel, frequency, zone, status, signal strength and other information.

5 SPEAKER

High output front-facing speaker for clear and loud audio.

6 MICROPHONE CONNECTOR

Connect the handheld microphone.

7 MENU / NAVIGATION KEYS

ENT: Confirm / Enter
Arrows: Navigate
BAND / ESC: Band switch / Exit

8 POWER INPUT (12V / 24V DC)

Connects directly to vehicle battery (12V / 24V DC).

9 ANTENNA CONNECTOR

Connect external antenna for optimum performance.

10 DATA / ACCESSORY PORT

For programming and external accessories.

SIDE VIEW



LEFT SIDE

RIGHT SIDE



NOTE: R-9000 is a mobile radio designed for vehicle installation and requires external 12V / 24V DC power supply.

ACCESSORIES INCLUDED

EVERYTHING YOU NEED
TO STAY CONNECTED!

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R-9000 MOBILE RADIO
(DMR Dual Band)



HANDHELD MICROPHONE
(Keypad Mic)



DC POWER CABLE
(12V / 24V)



MOUNTING BRACKET



SCREW SET
(Installation Kit)



WHAT'S IN THE BOX?



1 x R-9000 Mobile Radio



1 x Handheld Microphone
(Keypad Mic)



1 x DC Power Cable
(12V / 24V)



1 x Mounting Bracket



1 x Screw Set
(Installation Kit)



1 x User Manual