ROVER

PORTABLE ANALOG REPEATER

**BUILT TO PERFORM.
READY ANYWHERE.**



20W
RF POWER OUTPUT

IP68
WATERPROOF DESIGN

BACKPACK CARRY
Easy to carry. Ready anywhere.

OUTDOOR DEPLOYMENT
Flexible installation. Reliable performance.

- BUILT-IN DUPLEXER
- LARGE CAPACITY BATTERY
- PORTABLE DESIGN
- MOBILE RADIO MODE
- EXTERNAL SPEAKER SUPPORT
- RUGGED & RELIABLE

MODEL NO.

R-200P

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

www.roverwalkietalkie.com | info@roverwalkietalkie.com

ROVER

PROFESSIONAL
ANALOG REPEATER
UHF RADIO

MODEL

R-2000P

PORTABLE ANALOG REPEATER

EXTEND SIGNAL.
EXPAND COVERAGE.
PERFORM ANYWHERE.

High power, built-in duplexer and long-life battery deliver reliable communication in the most demanding environments.



- **BUILT-IN DUPLEXER** – High Isolation, Better Performance
- **LONG LIFE BATTERY** – Up to 10–12 Hours
- **PORTABLE DESIGN** – Lightweight, Easy to Carry
- **MOBILE RADIO MODE** – Works with Hand Microphone
- **EXTERNAL SPEAKER SUPPORT** – 3.5mm Port for External Speaker
- **RUGGED & RELIABLE** – Built for Harsh Environments

TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Model	ROVER R-2000P
Frequency Range	400–470 MHz
Output Power	20W
Channel Capacity	16 Channels
Channel Spacing	12.5 / 25 KHz
Operating Voltage	DC 13.8V
Battery Capacity	22Ah (Li-ion)
Operating Time	Up to 10–12 Hours (5:5:90 Duty Cycle)
Dimensions (HxWxD)	270 × 180 × 70 mm
Weight (with Battery)	2.9 kg
Duplexer	Built-in High Isolation Duplexer
Gain	≥ 65 dB
Audio Output Power	2W
Audio Distortion	≤ 5%
Operating Temperature	-20°C to +60°C
IP Rating	IP68 Waterproof
Frequency Stability	±1.0 ppm
Receiver Sensitivity	≤0.25 µV
Modulation Type	FM
Antenna Connector	N-Female
Impedance	50 Ω

POWER & PERFORMANCE

High Power Output	20W output for strong and stable signal transmission.
Wide Frequency Range	UHF 400–470 MHz for superior coverage in urban & indoor areas.
16 Channel Capacity	Supports multiple teams and departments efficiently.
High Capacity Battery	22Ah battery for extended operational hours.
Rugged & Waterproof	IP68 protection for reliable performance in all conditions.

TRANSMISSION PERFORMANCE

Strong & Stable Signal	Delivers consistent communication even in tough environments.
Extended Coverage	Up to 10–15 KM* in open area.
Clear Voice Quality	Advanced audio processing for clear and crisp voice.
Low Interference	High isolation duplexer reduces interference and noise.
Consistent Operation	Engineered for 24/7 continuous reliable operation.

KEY BENEFITS

- Extend communication range instantly.
- Quick and easy deployment anywhere.
- Improve team coordination and productivity.
- Cost-effective solution reduces infrastructure cost.
- Long working hours for all-day operation.

ADVANCED TECHNOLOGY

- **Built-in Duplexer** – High isolation duplexer for better performance and reliability.
- **Smart Battery Management** – Protects battery and optimizes power for longer life.
- **UHF Analog Technology** – Reliable penetration and coverage in buildings and dense areas.
- **Overload & Voltage Protection** – Protects device from over-voltage, over-current and overheating.
- **One-Key Frequency Copy** – Quick and easy frequency cloning for fast setup.

OPERATIONAL EFFICIENCY

- **Flexible Deployment** – Use as backpack, pole mounted or mobile base station.
- **External Speaker Support** – 3.5mm audio port for external speaker connection.
- **Channel Management** – 16 channels for organized and efficient communication.
- **Reliable in Harsh Conditions** – Built rugged for mountain, desert, rain and extreme conditions.

DURABILITY & DESIGN

- IP68 Waterproof & Dustproof
- Aluminum Alloy Body – Strong & Durable
- Compact, Lightweight & Portable
- Shock & Vibration Resistant
- Designed for Outdoor & Mission Critical Use

IDEAL FOR

Security | Construction | Events | Oil & Gas | Facility Management

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ROVER®

R-2000P

PORTABLE ANALOG REPEATER

UHF RADIO 400–470 MHz

PROFESSIONAL ANALOG REPEATER UHF RADIO

Engineered for Portable Communication & Rapid Deployment.



TOP / FRONT VIEW



1 POWER INDICATOR / BUTTON
Press to power ON/OFF.
Indicator shows operation status.

2 VOLUME / CONTROL KNOB
Rotate to adjust volume or function.

3 FUNCTION BUTTONS (PF1–PF4)
Programmable shortcuts for quick access.

4 LCD DISPLAY
Displays channel, frequency, status, and settings.

5 CONTROL KEYS
Navigate menu, select channels and confirm.

6 SPEAKER PORT
Connect external speaker (3.5mm port).

7 DATA / PROGRAMMING PORT
Connect programming cable for configuration and firmware update.

8 ANTENNA CONNECTOR (N-Type)
Connect external antenna for transmission.

BACK VIEW



1 DC IN / BATTERY PORT
Power input and battery charging.

2 COOLING FAN
High-efficiency cooling for stable performance.

3 DATA PORT
Programming and firmware update port.

4 EXT SP (EXTERNAL SPEAKER PORT)
Connect external speaker for loud and clear audio.

SIDE VIEWS



5 POWER SWITCH
Main power ON/OFF control.

6 BATTERY MOUNT / BACKPACK SLOT
Mount battery or attach backpack for portable operation.

KEY FEATURES

HIGH POWER OUTPUT
20W RF power for strong, stable communication.

BUILT-IN DUPLEXER
High isolation for reliable repeater performance.

PORTABLE DESIGN
Compact, lightweight and easy to deploy anywhere.

IP68 PROTECTION
Waterproof and dustproof for harsh environments.

LONG BATTERY LIFE
Up to 10–12 hours of continuous operation.

WIDE FREQUENCY RANGE
UHF 400–470 MHz for flexible coverage.

CE FC RoHS

www.roverwalkietalkie.com

ROVER®

R-2000P

PORTABLE ANALOG REPEATER

UHF RADIO 400-470 MHz

High-quality accessories included with the R-2000P for reliable performance and easy operation.



ACCESSORIES INCLUDED



1 POWER ADAPTER

AC to DC power adapter for reliable and stable power supply.



2 POWER CORD

AC power cord for connecting the adapter to main power supply.



3 HAND MICROPHONE

Ergonomic microphone for convenient communication.



4 PROGRAMMING CABLE

USB programming cable for easy configuration and firmware updates.



5 TELESCOPIC ANTENNA

High-gain telescopic antenna for extended range and reliable transmission.



6 ANTENNA CABLE

Coaxial cable with connectors for connecting external antenna to the repeater.



7 QUICK START GUIDE

User guide with quick setup instructions and basic operation details.

BUILT FOR PERFORMANCE. READY FOR ANY MISSION.

High Quality
Durable and reliable accessories.

Easy to Use
Designed for quick setup and operation.

Reliable Connection
Stable performance in every environment.

Complete Solution
All essential accessories included.

NOTE: Use only original accessories for optimum performance and safety.

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