



ROVER

PROFESSIONAL TWO-WAY RADIO

**CLEAR.
STABLE.
POWERFUL.**



5W

POWER OUTPUT



3-6 KM

RANGE IN
OPEN AREA*



400-470 MHz

UHF FREQUENCY RANGE



CLEAR AUDIO

High quality audio
for clear and stable
communication



LONG RANGE

Up to 3-6 KM*
communication in
open area



**VOX
HANDS-FREE**

Hands-free
voice activated
transmission



VOICE ENCRYPTION

Secure and private
communication
for your team



2800mAh BATTERY

High capacity battery
for long operational
hours



OTA PROGRAMMING

Remote programming
and updates for
maximum efficiency

MODEL NO.

R-20

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



www.roverwalkietalkie.com



info@roverwalkietalkie.com

MODEL

R-20

UHF TWO-WAY RADIO

PROFESSIONAL 5W

WALKIE TALKIE

CLEAR. STABLE. POWERFUL.

Professional communication
with power, security
and reliability.



**VOICE
ENCRYPTION**
Secure & Private
Communication



**ONE-KEY
FREQUENCY COPY**
Quick & Easy
Cloning



**OTA
PROGRAMMING**
Remote Configuration
& Updates



**2800mAh
BATTERY**
Long-lasting
Performance



**COMPACT &
LIGHTWEIGHT**
Easy to Carry,
Easy to Use



400-470 MHz
UHF FREQUENCY RANGE

TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Model	ROVER R-20
Frequency Range	400–470 MHz
Output Power	5W
Channel Capacity	16 Channels
Battery Capacity	2800 mAh
Operating Voltage	7.4 V DC
Dimensions	131 × 58 × 34 mm
Weight	180 g
Programming	OTA Programming
Special Features	Voice Encryption, One-Key Frequency Copy
Operating Temperature	-10°C to +50°C
Antenna	High Gain
Audio Output Power	1W
Modulation Type	16KF3E
Frequency Stability	5 ppm
Communication Mode	Simplex
Receiver Sensitivity	≤0.2 μV
Audio Distortion	≤5%
Current Consumption	≤1200mA
Bandwidth	≤16KHz

POWER & PERFORMANCE

	High Power Output	5W 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	2800mAh battery for extended operational hours.
	Secure Communication	Voice encryption for protected and private conversations.

TRANSMISSION PERFORMANCE

	Strong & Stable Signal	Reliable communication in tough environments.
	Clear Voice Quality	Advanced audio technology for clear voice.
	Long Range Communication	Up to 3–6 KM* in open area.
	Low Interference	UHF technology ensures minimal interference.
	Consistent Performance	Built for continuous daily operations.



KEY BENEFITS

- Enhanced Security**
Voice encryption keeps your communication secure.
- Easy Deployment**
One-key frequency copy for quick device cloning.
- Operational Efficiency**
Reliable communication improves team coordination.
- Long Working Hours**
2800mAh battery supports long shifts without interruption.



ADVANCED TECHNOLOGY

- OTA Programming**
Remote programming and updates save time and cost.
- UHF Technology**
Better penetration and coverage in buildings and dense areas.
- Scrambler Encryption**
Enhances communication security.
- One-Key Frequency Copy**
Simplifies setup and standardizes communication channels.



OPERATIONAL EFFICIENCY

- Channel Management**
16 channels for organized and efficient communication.
- Clear Voice Transmission**
Ensures messages are delivered clearly every time.
- Durable & Reliable**
Built to perform in demanding professional environments.



DURABILITY & DESIGN

- ✓ Compact and lightweight design
- ✓ Rugged build for daily professional use
- ✓ Ergonomic structure for comfortable handling
- ✓ Reliable performance in various conditions

IDEAL FOR



Security



Logistics



Retail



Facility
Management



ROVER

R-20

UHF TWO-WAY RADIO

OPERATION & SAFETY GUIDE

Use Your ROVER R-20
Safely & Efficiently

HOW TO USE



POWER ON / OFF

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



ADJUST VOLUME

Rotate the **Power/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.



BATTERY & CHARGING



CHARGING



- Charge before first use.
 - Connect the charger to the radio or use the USB charging cradle.
 - Charging indicator:
 - RED Light** – Charging
 - GREEN Light** – Fully Charged
- Full charge takes approximately **4 to 5 Hours**.



BATTERY CARE

- Do not overcharge the battery.
- Unplug the charger once fully charged.
- Store the battery in a cool, dry place.
- Keep away from heat sources and direct sunlight.



BATTERY SAFETY

- Use only the original battery and charger designed for ROVER R-20.
- Do not short-circuit the battery.
- Do not dispose of the battery in fire.
- Slight warming during charging is normal.



SMART FEATURES



16 CHANNELS

Organized Communication for Multiple Teams



LONG RANGE COMMUNICATION

Up to 3-6 KM* in Open Area



HIGH CAPACITY BATTERY

2800mAh Battery for Extended Operational Hours



HIGH-GAIN ANTENNA

Enhanced Signal Strength & Superior Coverage



SECURITY



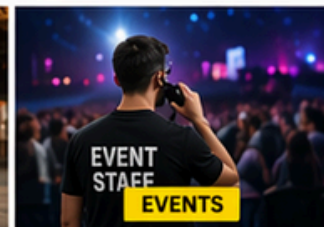
CONSTRUCTION



INDUSTRIAL



WAREHOUSING



EVENTS



info@roverwalkietalkie.com



www.roverwalkietalkie.com



ACCESSORIES INCLUDED

EVERYTHING YOU NEED
TO STAY CONNECTED!

R-20 ACCESSORIES INCLUDED

EVERYTHING YOU NEED TO STAY CONNECTED!



BATTERY PACK
(2800mAh Li-ion)



WALL CHARGER
(5V Adapter)



R-20 WALKIE TALKIE
(Two-Way Radio)



BELT CLIP
(Pre-Installed)



CHARGING DOCK
(Desktop Charger)



WHAT'S IN THE BOX?



1 x R-20 Walkie Talkie
(Two-Way Radio)



1 x Battery Pack
(2800mAh Li-ion)



1 x Wall Charger
(5V Adapter)



1 x Belt Clip
(Pre-Installed)



1 x Charging Dock
(Desktop Charger)

NOTE: Each retail box contains 1 complete set of accessories along with 1 walkie talkie.