

Radioddity GM-30

Radioddity GM-30 GMRS Radio Handheld 5W Long Range Instruction Manual

Model: GM-30

1. INTRODUCTION

The Radioddity GM-30 is a professional-grade GMRS handheld radio designed for reliable long-range communication. This device offers extensive channel capabilities, repeater functionality, and a range of features suitable for various outdoor and professional applications. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GM-30 radio.

2. WHAT'S IN THE BOX

Upon unboxing your Radioddity GM-30 GMRS Radio, you should find the following components:

- 2 x GM-30 Radio Units
- 2 x 15.5" High-gain Antennas
- 2 x Original Antennas
- 2 x Speaker Mics
- 1 x Programming Cable
- 2 x Lithium Ion Batteries
- 2 x Belt Clips
- 2 x Wrist Straps
- 2 x Earpieces
- 2 x USB-C Cables with Adapters



Figure 1: All components included with the Radioddity GM-30 GMRS Radio.

3. SETUP

3.1 Battery Installation

1. Align the battery pack with the grooves on the back of the radio.
2. Slide the battery pack upwards until it clicks into place.
3. Ensure the battery is securely attached before use.

3.2 Antenna Attachment

1. Screw the desired antenna (original or 15.5" high-gain) clockwise onto the antenna connector on top of the radio.
2. Tighten gently until secure. Do not overtighten.

3.3 Charging the Battery

The GM-30 radio features an upgraded USB Type-C charging port for convenient charging. It also includes a

UL-certified plug for safety.

1. Connect the USB-C cable to the charging port on the radio or directly to the battery.
2. Plug the USB-C adapter into a power source (e.g., wall outlet, car charger, power bank).
3. The LED indicator on the radio will show charging status (e.g., red for charging, green for fully charged).

24 CUSTOMIZABLE GMRS REPEATER CHANNELS

Enable to program the same frequency but different CTCSS/DCS

Channel						
CH.	RX Freq	TX Freq	Name	Rx QT/DQT	Tx QT/DQT	W/N
31	462.55000	467.55000	DIY-1	67.0	67.0	Wide
32	462.55000	467.55000	DIY-2	74.4	74.4	Wide
33	462.55000	467.55000	DIY-3	D371N	254.1	Wide
34	462.55000	467.55000	DIY-4	D155N	D155N	Wide
35	462.65000	467.65000	DIY-5	None	None	Wide
36	462.55000	467.67500	DIY-6	None	None	Wide
37	462.57500	467.70000	DIY-7	None	None	Wide
38	462.60000	467.72500	DIY-8	None	None	Wide
39	462.62500	467.75000	DIY-9	None	None	Wide
40	462.65000	467.77500	DIY-10	None	None	Wide
41	462.67500	467.80000	DIY-11	None	None	Wide

GMRS
Repeater



Figure 2: USB-C charging port on the Radioddity GM-30.

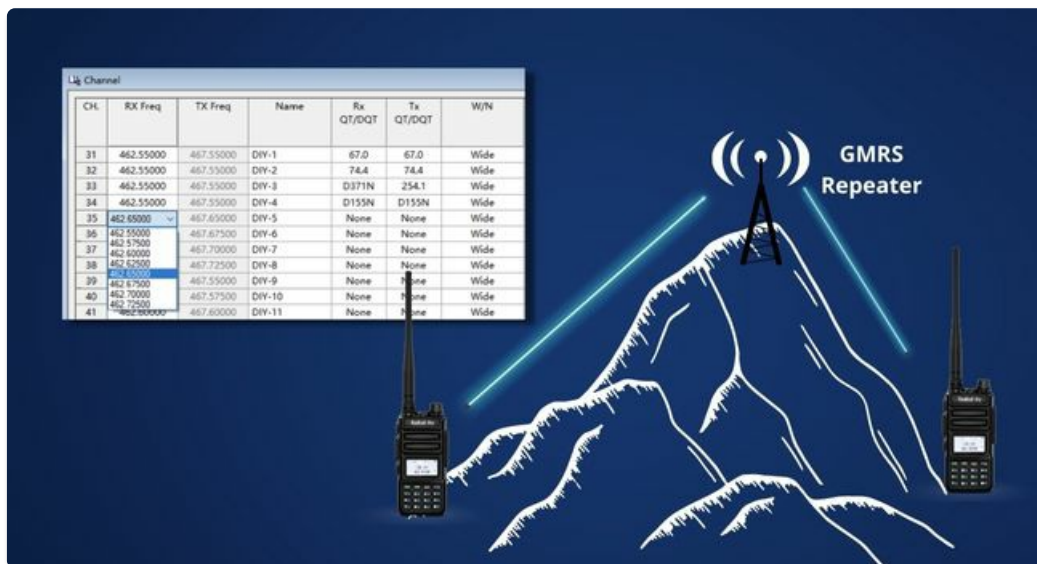


Figure 3: USB 3.0 Type-C charging compatibility with laptop, wall charger, car charger, and power bank.

4. OPERATING THE RADIO

4.1 Power On/Off and Volume Control

To power on the radio, rotate the top knob clockwise until you hear a click. Continue rotating to adjust the volume. To power off, rotate the knob counter-clockwise until you hear a click.

4.2 Channel Selection

The GM-30 supports up to 250 channels, including 30 default channels (22 GMRS, 8 repeaters) and an additional 24 GMRS repeater channels. Use the up/down arrow keys on the keypad to navigate through channels.

4.3 Push-to-Talk (PTT)

Press and hold the PTT button on the side of the radio to transmit. Release the button to receive. Ensure you are on the correct channel before transmitting.

4.4 Display Sync

The radio features a Display Sync function, which allows you to view the channel name, channel number, and frequency simultaneously on the screen for enhanced clarity.



Figure 4: Display Sync feature on the Radioddity GM-30.



Figure 5: Detailed view of the Display Sync feature.

5. ADVANCED FEATURES

5.1 Dual-Band Scanning & Receiving

The GM-30 supports UHF & VHF monitoring in CH/VFO mode. You can set precise frequency ranges for channels and perform CTCSS/DCS scanning. The scan list is editable for customized monitoring.



Figure 6: UHF/VHF Scanner and NOAA Weather Broadcast capabilities.



Figure 7: Radio display during scanning operation.

5.2 GMRS Repeater Channels

The GM-30 includes 24 extra GMRS repeater channels, allowing you to program the same frequency with different CTCSS/DCS codes for flexible repeater use.



5.3 NOAA Weather Receiver & FM Radio

Stay informed with the built-in NOAA weather receiver and scanner. The radio also includes an FM radio function for entertainment.



Figure 9: NOAA Weather functionality.

5.4 Additional Functions

The GM-30 includes an SOS alarm, a built-in flashlight, squelch control, VOX (Voice Operated Exchange), TOT (Time Out Timer), Squelch Tail Elimination, 6 frequency steps, and 2 power levels (0.5W/5W).



Figure 10: Close-up view of radio features.

6. PROGRAMMING

The Radioddity GM-30 can be programmed via PC software (Chirp compatible) or directly through the keypad. For advanced customization, PC programming is recommended.

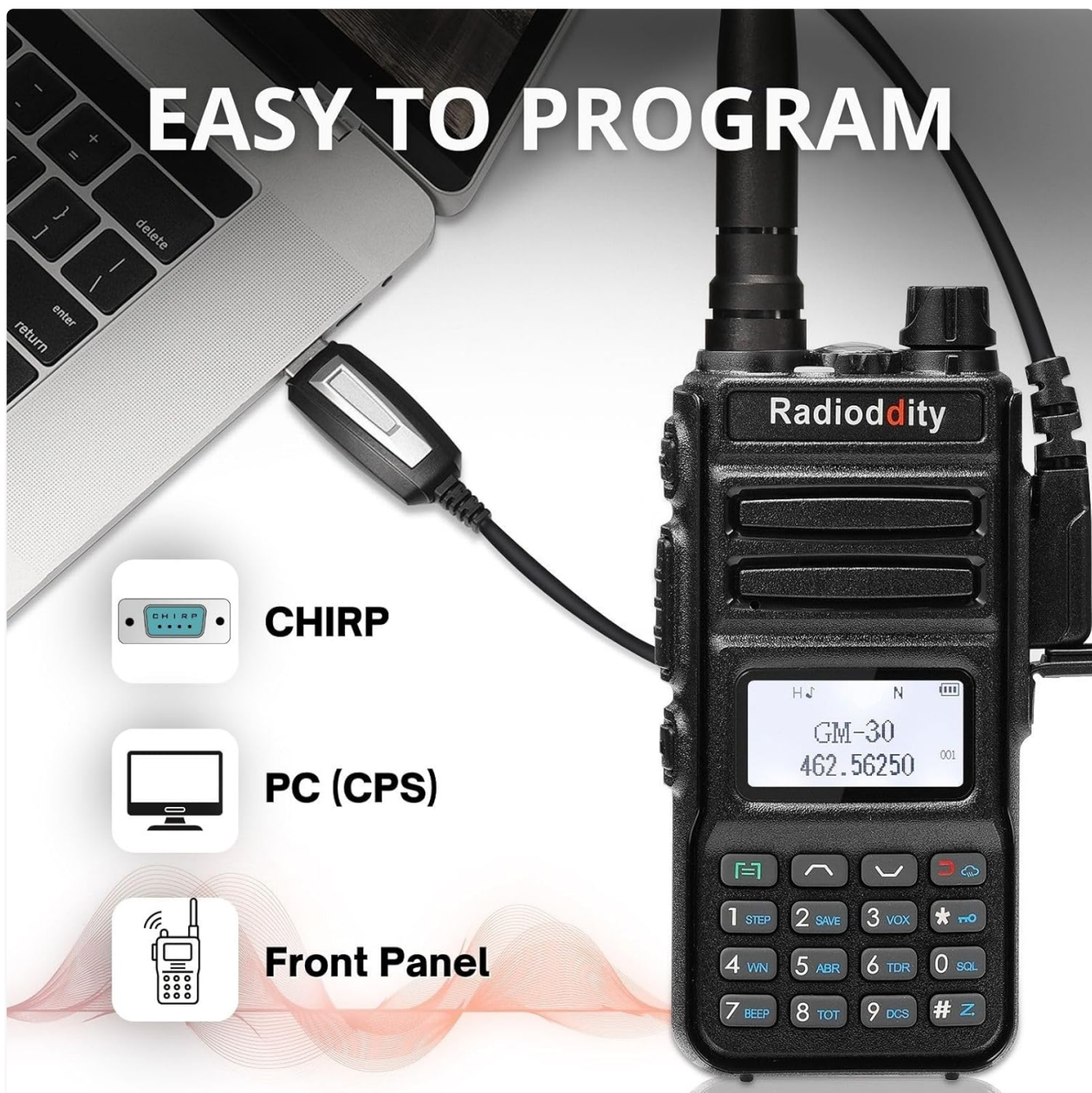


Figure 11: Easy programming with CHIRP software.

Your browser does not support the video tag. Please update your browser.

Video 1: Radioddity GM-30 CPS DIY Repeater Channels - Backcountry radio. This video demonstrates how to program repeater channels using the CPS software.

6.1 Saving and Deleting Channels

The radio allows you to save and delete stored channels. Refer to the user manual for specific instructions on how to perform these operations via the keypad or programming software.



Figure 12: Saving a new channel.



Figure 13: Deleting a stored channel.

7. MAINTENANCE

7.1 General Care

- Keep the radio dry. Rainwater or damp conditions can corrode electronic circuits.
- Do not store the radio in dusty or dirty areas.
- Clean the radio with a soft, damp cloth. Avoid harsh chemicals or cleaning agents.

7.2 Battery Care

- Use only the supplied UL-certified charger.
- Avoid exposing the battery to extreme temperatures.
- Do not short-circuit the battery terminals.
- If the battery appears to diffuse peculiar smell or smoke, shut off its power immediately and take off the charger.

8. TROUBLESHOOTING

If you encounter issues with your Radioddity GM-30, refer to the following common troubleshooting tips:

- **No Power:** Ensure the battery is fully charged and correctly installed. Check the power knob.
- **Poor Reception/Transmission:** Verify the antenna is securely attached. Check for obstructions. Ensure you are within the effective communication range (up to 5 miles, extendable with high-gain antenna).
- **No Audio:** Adjust the volume. Check earpiece/speaker mic connections.
- **Programming Issues:** Ensure the programming cable is correctly connected. Verify software settings (e.g., CTCSS/DCS codes, frequency offsets).

For further assistance, please contact Radioddity customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	Radioddity


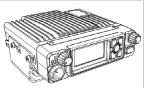



Model Number	GM-30
Number of Channels	250 (30 default, 24 extra GMRS repeater)
Frequency Range (RX)	65-108MHz, 136-174MHz, 400-470MHz
Frequency Range (TX)	462.5625-467.7125MHz
Talking Range Maximum	5 Miles
Power Levels	0.5W / 5W
Battery Type	2 Lithium Ion batteries (included)
Voltage	7.4 Volts
Charging	USB Type-C, UL-certified plug
Special Features	Display Sync, Extra 24 DIY GMRS RPT. Channels, NOAA Weather Receiver & Scanner, FM Radio, SOS Alarm, Flashlight, Squelch, VOX, TOT, Squelch Tail Elimination, 6 Frequency Steps
Item Weight	2.51 pounds
Package Dimensions	12.48 x 8.58 x 4.06 inches

10. WARRANTY & SUPPORT

The Radioddity GM-30 GMRS Radio comes with an 18-month warranty. Additionally, Radioddity offers a 30-day worry-free return policy.

For product support, troubleshooting, or warranty claims, please visit the official Radioddity website or contact their customer service team. Radioddity has over 11 years of experience and provides 5-star customer service.

Related Documents - GM-30

<div></div> <div>GM-30 PRO</div> <div>User Manual</div>	Radioddity GM-30 PRO User Manual: Features, Operation, and Safety Comprehensive user manual for the Radioddity GM-30 PRO handheld transceiver, detailing its features, operation, battery management, safety guidelines, and technical specifications for optimal use.
<div>GM-30 PRO</div> <div>User Manual</div>	GM-30 PRO User Manual - Radioddity Comprehensive user manual for the Radioddity GM-30 PRO dual-band handheld transceiver, covering setup, operation, features, and safety guidelines.
<div>GM-30 PRO</div> <div>User Manual</div>	GM-30 PRO User Manual - Radio Operation and Safety Comprehensive user manual for the GM-30 PRO two-way radio, covering setup, operation, battery care, and safety guidelines. Learn about features like dual-band scanning, NOAA weather alerts, and PC programmability.
<div>DB40-G User Manual</div> <div></div>	Radioddity DB40-G GMRS Radio User Manual Comprehensive user manual for the Radioddity DB40-G GMRS radio, covering features, operation, setup, and technical specifications for optimal performance. Learn how to use your two-way radio effectively.
<div>How to Connect Radioddity GM-30 Pro with the App</div> <div></div> <div></div>	How to Connect Radioddity GM-30 Pro with the App A guide on connecting the Radioddity GM-30 Pro walkie-talkie to its companion mobile application via Bluetooth for programming and settings customization.
<div></div>	Radioddity GC-5 Programming Guide: Step-by-Step Channel Setup Comprehensive guide to programming channels on the Radioddity GC-5 dual-band two-way radio. Learn to set frequencies, CTCSS tones, offsets, and store settings.