

**garinosen DF-580**

**User Manual**

**GARINOSEN HAND CRANK EMERGENCY RADIO**

Model: DF-580

**Introduction**

This manual provides detailed instructions for the operation and maintenance of your garinosen Hand Crank Emergency Radio, Model DF-580. This versatile device combines multiple essential functions, including AM/FM/NOAA weather radio, Bluetooth speaker, emergency power bank, flashlight, and reading lamp, designed for both daily use and emergency preparedness.



The garinosen Hand Crank Emergency Radio, Model DF-580, is a multi-functional device featuring a durable, waterproof design, integrated solar panel, hand crank, and USB charging capabilities. It is shown here charging a smartphone, highlighting its power bank function.

## Package Contents

Please verify that all items listed below are included in your package:

- 1 x garinosen Hand Crank Emergency Radio (Model DF-580)
- 1 x USB Charging Cable
- 1 x Carabiner
- 1 x User Manual

## Product Overview

Familiarize yourself with the key components and features of your emergency radio.

**Digital Display:** Shows frequency, battery level, and mode.

**Control Buttons:** Power, Mode, Volume/Tune, Scan, SOS.

**Telescopic Antenna:** For improved radio reception.

**Solar Panel:** Located on top for solar charging.

**Hand Crank:** Foldable crank for manual power generation.

**USB Output Port:** For charging external devices.

**USB Input Port (Type-C):** For charging the radio.

**Flashlight:** Integrated LED light on one end.

**Reading Lamp:** Foldable panel with LED lights.

**SOS Alarm Button:** Activates loud siren and flashing light.

**Bluetooth Speaker:** Front-facing speaker for audio playback.

**Compass:** Integrated for navigation assistance.



# **INSTANT NOAA WEATHER ALERT**

Tornadoes Floods Hurricanes Snowstorm Earthquakes etc.

The radio's digital display shows "NOAA" indicating its weather alert function, crucial for receiving emergency broadcasts during severe weather events.

## Charging Methods

Your garinosen emergency radio offers multiple charging options to ensure it's always ready for use.

1. **USB Charging:** Connect the provided USB cable to the radio's Type-C input port and a standard USB power adapter (not included) or computer USB port. The battery indicator on the display will show charging progress. This is the fastest charging method.
2. **Hand Crank Charging:** Extend the hand crank located on the back of the radio. Rotate the crank clockwise or counter-clockwise at a steady pace (approximately 130-150 RPM) for 3-5 minutes to generate enough power for short-term use of the radio or flashlight. Continuous cranking will charge the internal battery.
3. **Solar Charging:** Place the radio with the solar panel facing direct sunlight. The solar panel will convert sunlight into electricity to charge the internal battery. This method is primarily for maintaining battery charge or for slow, supplemental charging, not for rapid full charges.



The garinosen radio supports three charging methods: Type-C USB for fast charging, hand-crank for emergency power generation, and solar charging for supplemental power in sunlight.

# 5000mah EMERGENCY BATTERY BACKUP

iPhone12

**1.7**  
charges

radio

**30**  
hours

speaker

**20**  
hours

flashlight

**70**  
days





The radio features a 5000mAh emergency battery backup, capable of providing significant power for extended use of its functions or for charging external devices like smartphones.

## Operation

### Power On/Off

Press and hold the **Power** button  for 2 seconds to turn the radio on or off.

### Radio Functions (AM/FM/NOAA/WB)

- **Mode Selection:** Press the **Mode** button  to cycle through AM, FM, and WB (Weather Band/NOAA) modes.
- **Auto Scan:** In AM, FM, or WB mode, press and hold the **Play/Scan** button  to automatically scan and store available stations.
- **Manual Tuning:** Briefly press the **+/-** buttons to fine-tune the frequency. Press and hold to quickly scan for the next strong signal.
- **Volume Control:** Press and hold the **+/-** buttons to adjust the volume.

- **Antenna:** Extend the telescopic antenna for optimal reception, especially for FM and WB bands.



- |   |  |
|---|--|
| <input checked="" type="checkbox"/> WB NOAA         | <input checked="" type="checkbox"/> LCD display        |
| <input checked="" type="checkbox"/> AM FM radio     | <input checked="" type="checkbox"/> USA chip           |
| <input checked="" type="checkbox"/> Upgrade antenna | <input checked="" type="checkbox"/> Auto-scan & Memory |

The radio is designed to receive emergency signals, including WB NOAA weather alerts, AM/FM radio, with an upgraded antenna for better reception and auto-scan functionality.

## Bluetooth Speaker Function

In Bluetooth mode, the radio acts as a portable speaker.

- **Pairing:** Switch the radio to Bluetooth mode (indicated by "BT" on the display). On your smartphone or other Bluetooth device, search for "DF-580" and pair.
- **Playback:** Once paired, you can play audio from your device through the radio's speaker. Use the radio's **+/-** buttons for volume control and the **Play/Scan** button for play/pause.



## Bluetooth Speaker

7W loud volume output

Enjoy your music time

Enjoy your music outdoors with the radio's Bluetooth speaker function, providing 7W loud volume output for an enhanced audio experience.

### Flashlight and Reading Lamp

- **Flashlight:** Press the dedicated flashlight button (usually on the side or top) to turn the 3W flashlight on/off.
- **Reading Lamp:** Lift the foldable panel on top of the radio to activate the LED reading lamp. Fold it back down to turn it off.



The radio provides a powerful 3W portable flashlight for outdoor use and a convenient 4-LED reading light for illumination in dark conditions.

## SOS Alarm

In an emergency, activate the SOS alarm.

- **Activation:** Press the **SOS** button (often marked with a siren icon) to activate a loud siren and flashing light.
- **Deactivation:** Press the **SOS** button again to turn off the alarm.

## Power Bank Function

Use the radio's internal 5000mAh battery to charge your mobile devices.

- **Charging External Devices:** Connect your smartphone or other USB-powered device to the radio's USB output port using your device's charging cable. The radio will automatically begin charging the connected device.

## Maintenance

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- **Cleaning:** Wipe the radio with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the radio in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is charged to at least 50% and recharge every 3-6 months to prolong battery life.
- **Water Resistance:** The radio is IPX5 waterproof, meaning it can resist a sustained, low-pressure water jet spray. Do not submerge the radio in water. Ensure all port covers are securely closed to maintain water resistance.



The radio features an IPX5 waterproof rating, making it suitable for outdoor use in various weather conditions, such as light rain.

### Troubleshooting

Problem	Possible Cause	Solution
Radio does not turn on.	Low battery.	Charge the radio using USB, hand crank, or solar power.

Problem	Possible Cause	Solution
Poor radio reception.	Antenna not extended; weak signal area.	Fully extend the telescopic antenna. Try repositioning the radio. Use auto-scan to find stronger signals.
Bluetooth not connecting.	Radio not in Bluetooth mode; device not discoverable.	Ensure radio is in Bluetooth mode. Turn off and on Bluetooth on your device. Ensure no other devices are connected.
External device not charging.	Radio battery too low; incorrect cable.	Charge the radio's internal battery. Ensure you are using a functional USB cable for your external device.
Solar charging is slow.	Solar charging is supplemental; insufficient sunlight.	Solar charging is designed for maintenance, not rapid charging. Ensure direct, strong sunlight. Use USB or hand crank for faster charging.

## Specifications

Feature	Detail
Model Number	DF-580
Dimensions	6.5 x 1.8 x 3 inches
Weight	1 pound
Battery Type	Lithium Polymer (5000mAh)
Power Sources	Hand Crank, Solar Powered, USB (Corded-Electric)
Radio Bands	AM, FM, 7-Band NOAA/WB
Connectivity	Bluetooth, USB
Flashlight Power	3W
Water Resistance	IPX5 Waterproof
Manufacturer	Shenzhen Kaino Technology Co.,Ltd

## Warranty and Support

garinosen products are designed for reliability and performance. For any questions, technical support, or warranty claims, please contact our customer service.

- **Warranty:** This product typically comes with a 2-year warranty. Please refer to your purchase documentation for specific warranty terms and conditions.
- **Customer Support:** For assistance, please visit the official garinosen store on Amazon or contact the seller directly through your Amazon order history.



Libovgogo (garinosen) is committed to customer satisfaction, offering 24/7 support, a satisfaction guarantee, and a 2-year warranty for their products.

