Gbnryg M55J

Gbnryg Metal Detector User Manual

Model: M55J

1. Introduction and Overview

This manual provides comprehensive instructions for the Gbnryg Metal Detector, Model M55J. This professional-grade metal detector is designed for high-accuracy detection of various metals, including coins, artifacts, jewelry, and gold. It features a 12-inch IP68 waterproof search coil, an LCD backlight display, and five distinct detection modes, making it suitable for diverse treasure hunting environments such as beaches, fields, forests, and parks.

The detector incorporates an upgraded DSP chip for enhanced accuracy and stability, capable of locating objects up to 12 inches underground. Its user-friendly design includes an effortless assembly process, comfortable controls, and a memory function to retain settings between uses.



Figure 1: Overall view of the Gbnryg Metal Detector highlighting its ergonomic design, headphone support, intelligent LCD panel, and 12-inch waterproof search coil.



Figure 2: The metal detector is compact and light, suitable for use in diverse environments such as fields, forests, beaches, and parks.

2. Product Components

The Gbnryg Metal Detector kit includes the following components:

- Main Control Unit with LCD Display
- 12-inch IP68 Waterproof Search Coil
- Adjustable Stem (Anti-interference glass fiber)
- Armrest and Handle
- Over-ear Headphones with adjustable volume
- Manganese Steel Digger (Shovel)
- Large Capacity Backpack
- 2 x 9V Batteries
- User Manual (this document)



Figure 3: All components of the Gbnryg Metal Detector kit, including the main unit, search coil, headphones, shovel, backpack, and batteries.



Figure 4: The comfortable over-ear headphones included with the kit, designed for clear audio signals in various environments.



Figure 5: The durable manganese steel digger, featuring depth indicators for precise excavation.

3. Setup and Assembly

The Gbnryg Metal Detector is designed for effortless assembly. Follow these steps to set up your device:

1. **Attach the Search Coil:** Connect the 12-inch search coil to the lower stem using the provided screw-less main head. Ensure it is securely fastened.
2. **Assemble the Stem:** Connect the lower stem to the middle stem, and then the middle stem to the upper stem. The upgraded collapsible cam lock design allows for quick and secure connections.
3. **Attach the Control Box:** Slide the control box onto the upper stem and secure it in place.
4. **Connect Cables:** Carefully route the cable from the search coil along the stem and plug it into the designated port on the control box.
5. **Install Batteries:** Open the battery compartment on the control box and insert the two 9V batteries, ensuring correct polarity.
6. **Adjust Length and Armrest:** Adjust the length of the stem from 19 to 59 inches to suit your height. The armrest can be adjusted from 0 to 8 inches for comfortable one-handed operation.



Figure 6: Exploded diagram illustrating the main components and their assembly points: Bracket, Control Box, Searchcoil, Upper Stem, Middle Stem.

4. Operating Instructions

4.1 Power On/Off and Basic Controls

To power on the detector, press the power button on the control box. The device features a built-in on/off memory function, retaining your last settings when powered off and on again. The LCD display provides a clear, backlit interface for easy reading in various light conditions.

- **Sensitivity Adjustment:** Use the sensitivity controls to adjust the detection depth and reduce unnecessary signals. There are 5 sensitivity levels available.
- **Volume Control:** Adjust the headphone or speaker volume using the dedicated volume buttons. There are 3 volume levels.
- **Backlight:** The LCD display has a backlight for improved visibility in low-light conditions.



Figure 7: The intelligent LCD panel displaying target ID, depth indicator, sensitivity, and mode selection buttons.

4.2 Detection Modes

The Gbnryg Metal Detector offers five professional detection modes to optimize your search for different types of metals:

- **All Metal Mode:** This mode detects all types of metal without discrimination. It provides a signal as soon as any metal is found.



Figure 8: All Metal Mode display, indicating detection of any metal type.

- **Disc Mode (Discrimination):** This mode allows you to distinguish between different metal types and ignore unwanted items like iron or trash. You can set the discrimination level to filter out specific metals.
- **Memory Mode:** An innovative mode that allows you to focus on a single, specific metal type. The detector will only alert you to the metal type you have programmed into its memory.
- **Jewelry Mode:** Specifically designed to help you find jewelry. This mode typically filters out common iron signals and focuses on precious metals.



Figure 9: Jewelry Mode display, optimized for finding rings, bracelets, and necklaces.

- **PP Mode (Pinpoint):** This mode enables you to precisely pinpoint the exact location of a detected target, saving time during excavation. Once a target is broadly located, switch to PP mode and move the coil slowly over the area to find the strongest signal.



Figure 10: Pinpointer Mode display, used for narrowing down the exact location of a buried target.



Figure 11: Visual representation of the five detection modes and their primary functions.

4.3 Waterproof Search Coil

The 12-inch search coil has an IP68 waterproof rating, allowing for exploration in shallow water, along beaches, and in other wet environments. **Important Note: The main control unit (controller) is NOT waterproof. Ensure the control unit remains dry at all times.**



Figure 12: The IP68 waterproof search coil in use, demonstrating its capability for shallow water detection.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Gbnryg Metal Detector:

- **Cleaning:** After each use, especially in sandy or muddy conditions, wipe down the search coil and stem with a damp cloth. Avoid using harsh chemicals. Ensure the control unit is kept clean and dry.
- **Battery Care:** Always remove batteries if the detector will not be used for an extended period to prevent leakage. Use new alkaline batteries for best performance.
- **Storage:** Store the detector in a cool, dry place, away from direct sunlight and extreme temperatures. The included

backpack is ideal for storage and transport.

- **Cable Inspection:** Periodically check all cables and connections for any signs of wear or damage.

6. Troubleshooting

If you encounter issues with your Gbnryg Metal Detector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power or erratic operation	Low or dead batteries; incorrect battery installation.	Replace with fresh 9V alkaline batteries, ensuring correct polarity.
False signals or excessive noise	High sensitivity setting; electromagnetic interference; mineralized ground.	Reduce sensitivity. Move away from power lines or other electronic devices. Try using Disc mode to filter out unwanted signals.
Detector wobbles when fully extended	Stem sections not fully tightened.	Ensure all cam locks and connections on the stem are securely fastened.
Cannot detect specific metal (e.g., barrier wire)	Discrimination settings too high; target too deep or too small; specific metal type not easily detectable by VLF detectors.	Switch to "All Metal" mode. Ensure the search coil is close to the ground. Note that some very thin or non-conductive materials may be difficult to detect.
No sound from headphones	Headphones not properly plugged in; volume too low; faulty headphones.	Check headphone connection. Increase volume. Test with another pair of headphones if available.

7. Specifications

Feature	Detail
Brand	Gbnryg
Model Number	M55J
Color	Black & Grey
Material	Metal, Plastic
Power Source	Battery Powered (2 x 9V batteries)
Item Weight	2.8 Pounds (approx. 1.27 kg)
Product Dimensions (L x W x H)	11" x 5.9" x 17" (packed)
Extended Length	Up to 60.2 Inches (approx. 153 cm)
Adjustable Length	Yes
Search Coil Size	12 Inches
International Protection Rating	IP68 (Search Coil only)

Feature	Detail
Recommended Uses	Metal Detection (coins, jewelry, artifacts, gold)
UPC	763333692013

8. Safety Information

Please observe the following safety guidelines when operating your metal detector:

- **Water Exposure:** The search coil is IP68 waterproof. However, the main control unit is NOT waterproof. Avoid submerging the control unit or exposing it to heavy rain or splashes. Use caution when detecting near water bodies.
- **Underground Utilities:** Before digging, be aware of any underground cables, pipes, or other utilities. Always check local regulations and use appropriate safety measures.
- **Sharp Objects:** Exercise caution when digging to avoid sharp objects or hazardous materials.
- **Battery Safety:** Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Dispose of used batteries responsibly according to local regulations.
- **Children:** While suitable for children with adult supervision, ensure children understand safe operation and digging practices.

9. Warranty and Support

Gbnryg offers a lifetime warranty for this metal detector, providing peace of mind and long-term value. For any questions, technical support, or warranty claims, please contact Gbnryg customer service through the retailer where the product was purchased or visit the official Gbnryg website for contact information.

For additional resources and tips, you may visit theGbnryg Store on Amazon.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I reset the Gbnryg M55J metal detector to fix errors?

The Gbnryg M55J metal detector does not have a dedicated "factory reset" button. However, you can perform a manual reset and troubleshoot errors by following these steps:Power Cycle: Turn the device off and then...

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