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› [Gbnryg](#) /

› Professional Metal Detector User Manual

Gbnryg M55Z

Professional Metal Detector User Manual

Brand: Gbnryg

1. INTRODUCTION

This manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your Gbnryg Professional Metal Detector, model M55Z. Please read this manual thoroughly before using the device to ensure proper function and safety.



Figure 1: Gbnryg Professional Metal Detector and Included Accessories.

2. PRODUCT OVERVIEW

The Gbnryg Professional Metal Detector is designed for high-precision detection of various metals, including coins, artifacts, jewelry, and gold. It features an advanced DSP chip for enhanced accuracy and stability, a 12-inch IP68 waterproof search coil, and a backlit LCD for clear readings.

Key Features:

- **High-Precision Detection:** 12-inch search coil and upgraded DSP chip for 40% more accuracy, detecting objects up to 12 inches deep.
- **5 Professional Modes:** All Metal, Disc, Memory, Jewelry, and Pinpoint modes for versatile detection.
- **User-Friendly Design:** Collapsible cam lock design for easy assembly, backlit LCD, silicone comfort buttons, and ergonomic elbow support.
- **Adjustable Settings:** 5 sensitivity levels and 3 volume levels to adapt to different environments.
- **IP68 Waterproof Search Coil:** Allows for exploration in shallow water and wet environments. *Note: The control unit is not*

waterproof.

- **Complete Kit:** Includes batteries, backpack, over-ear headphones, and a manganese steel digger.



Figure 2: Component Diagram and Key Features.

3. SETUP AND ASSEMBLY

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

1. **Unpack Components:** Carefully remove all components from the packaging, including the control unit, search coil, adjustable stem sections, armrest, headphones, shovel, and batteries.
2. **Attach Search Coil:** Connect the 12-inch search coil to the lower stem using the provided non-screw attachment mechanism. Ensure it is securely fastened.
3. **Assemble Stem:** Connect the lower, middle, and upper stem sections. The upgraded collapsible cam lock design allows for quick and secure connection. Adjust the length of the stem to a comfortable height (adjustable from 27 to 56 inches).
4. **Attach Control Unit:** Slide the control unit onto the upper stem and secure it. Ensure the cable from the search coil is neatly

wrapped around the stem and plugged into the control unit.

5. **Install Batteries:** Open the battery compartment on the control unit and insert the two included batteries, observing correct polarity.
6. **Adjust Armrest:** Position the armrest for comfortable one-handed operation. The handle is adjustable from 0 to 8 inches.
7. **Connect Headphones:** Plug the over-ear headphones into the designated jack on the control unit.



Figure 3: Assembling the Metal Detector.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the control unit and detection modes for optimal performance.

Control Unit Overview:



Figure 4: LCD Control Panel.

- **Power Button:** Press to turn the detector ON/OFF. The built-in memory function retains your last settings.
- **SENS (Sensitivity) Button:** Adjusts detection sensitivity (5 levels). Higher sensitivity increases detection depth but may also increase false signals.
- **MODE Button:** Cycles through the 5 detection modes.
- **PP (Pinpoint) Button:** Activates Pinpoint mode to precisely locate a detected target.
- **Volume Buttons (+/-):** Adjusts the audio volume (3 levels).
- **LCD Display:** Backlit display shows target ID, depth indicator, battery level, sensitivity, and current mode.

Detection Modes:

The detector offers 5 specialized modes to optimize your search:



Figure 5: Overview of Detection Modes.

1. All Metal Mode:

Detects all types of metal. The detector will provide an audio signal whenever any metal is found. This mode is ideal for general searching when you do not want to discriminate against any metal type.

2. Disc (Discrimination) Mode:

Allows you to eliminate specific types of metal (e.g., iron, foil) from detection. This helps in ignoring unwanted trash items and focusing on more valuable targets. Use the +/- buttons to adjust discrimination levels.

3. Memory Mode:

This innovative mode allows you to focus on a single metal type that you have previously detected and saved. The detector will then primarily respond to that specific metal, ignoring others.

4. Jewelry Mode:

Specifically designed to find jewelry. In this mode, the detector is optimized to respond to precious metals commonly found in jewelry, while often ignoring iron and other common trash metals.

5. PP (Pinpoint) Mode:

Once a target is detected in another mode, press the PP button to activate Pinpoint mode. This mode helps you precisely narrow down the exact location of the buried target, saving time and effort in digging.

Operating Tips:

- Sweep the search coil slowly and steadily, keeping it parallel to the ground and as close as possible without touching.
- Overlap your sweeps by about half the coil's diameter to ensure thorough coverage.
- When a target is detected, use Pinpoint mode to narrow down its exact location before digging.
- Adjust sensitivity and volume based on your environment and target depth. Lower sensitivity in highly mineralized ground or areas with much trash.
- Use the included headphones in noisy environments to hear subtle signals more clearly.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your metal detector.

- **Cleaning:** After each use, especially in sandy or muddy conditions, wipe down the search coil and stem with a damp cloth. Ensure the search coil is clean of debris.
- **Water Exposure:** The search coil is IP68 waterproof and can be submerged. However, the control unit is *not* waterproof. Avoid exposing the control unit to water, rain, or excessive moisture. If the control unit gets wet, turn it off immediately and allow it to dry completely before next use.
- **Storage:** Store the metal detector in a dry, cool place, away from direct sunlight and extreme temperatures. Disassemble the stem if storing for extended periods to prevent warping.
- **Battery Care:** Remove batteries if the detector will not be used for an extended period to prevent leakage and damage.
- **Cable Inspection:** Periodically check the cable connecting the search coil to the control unit for any signs of wear or damage.



Figure 6: IP68 Waterproof Search Coil in use.

6. TROUBLESHOOTING

If you encounter issues with your metal detector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Detector does not turn on	Dead or incorrectly installed batteries.	Check battery polarity. Replace with fresh batteries.
Erratic signals or false readings	High sensitivity setting in mineralized ground; electrical interference; loose coil cable.	Reduce sensitivity. Move away from power lines or other electronic devices. Ensure search coil cable is securely connected.

Problem	Possible Cause	Solution
No detection or weak signals	Low sensitivity; incorrect mode; coil not parallel to ground; target too deep.	Increase sensitivity. Switch to "All Metal" mode. Ensure coil is swept parallel to the ground. Target may be beyond detection depth.
Pinpoint mode not accurate	Sweeping too fast; not centering over target.	Slow down sweep. Move the coil in a cross-pattern over the target to find the strongest signal.

7. SPECIFICATIONS

Feature	Detail
Brand	Gbnryg
Model Number	M55Z
Color	Black & Green
Search Coil Size	12 Inches
International Protection Rating	IP68 (Search Coil only)
Operating Frequency	9 KHz
Power Source	Battery Powered (Batteries Required: Yes)
Adjustable Length	27 to 56 inches (Extended Length: 60.2 Inches)
Item Weight	3.8 Pounds
Product Dimensions (L x W x H)	17" x 11" x 5.9"
Material	Metal, Plastic
UPC	763333692020

8. SAFETY INFORMATION

Please observe the following safety precautions:

- Do not use the metal detector near power lines, electrical equipment, or in locations prone to lightning storms.
- Always be aware of your surroundings and potential hazards while metal detecting.
- Obtain permission before detecting on private property.
- Adhere to all local laws and regulations regarding metal detecting.
- Exercise caution when digging to avoid damaging underground utilities or historical artifacts.

9. WARRANTY AND SUPPORT

Gbnryg is committed to customer satisfaction. While specific warranty details are not provided in this manual, the product is backed by a commitment to quality. For any questions, technical support, or assistance, please refer to the contact information provided at the point of purchase or visit the official Gbnryg website.

The product is designed for durability and performance, and the manufacturer aims for 100% satisfaction.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

What do the 7 symbols on top of the Gbnryg M55Z metal detector display represent?

On the Gbnryg M55Z metal detector, the 7 symbols (or icons) located at the top of the LCD display represent different categories of metal targets. These icons serve as a Target ID guide to...

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