

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Lepmerk](#) /

› [Lepmerk Metal Detector User Manual - Model LEP3241114](#)

Lepmerk LEP3241114

Lepmerk Metal Detector User Manual

Model: LEP3241114

Brand: Lepmerk

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Lepmerk Metal Detector. Designed for both adults and kids, this high-precision, waterproof metal detector features a pinpoint function, LCD display, and a 10-inch detection range, making it ideal for locating gold, silver, coins, and other treasures.

Please read this manual thoroughly before using the device to ensure safe and effective operation.

2. PACKAGE CONTENTS

Upon opening your package, please verify that all components listed below are present and in good condition:

- Metal Detector Control Box with LCD Display
- 10-inch IP68 Waterproof Search Coil
- Adjustable Rod (Telescopic)
- Arm Support and Grip
- High-Quality Headphones
- Collapsible Digging Shovel
- Portable Carrying Bag
- Two 9V Batteries
- User Manual (this document)



Figure 2.1: Overview of all included components in the Lepmerk Metal Detector kit.



Figure 2.2: Visual representation of the package contents, including the detector, headphones, shovel, and bag.

3. SETUP AND ASSEMBLY

Follow these steps to assemble your metal detector:

1. **Attach the Search Coil:** Connect the 10-inch search coil to the lower end of the adjustable telescopic rod. Secure it using the provided fixing knob and ensure the cable is routed along the rod.
2. **Connect the Support Bar:** Slide the support bar onto the main shaft of the detector.
3. **Attach the Grips and Arm Support:** Secure the ergonomic grips and arm support to the upper section of the main shaft.
4. **Mount the Control Box:** Slide the display/control box onto the top of the main shaft, ensuring it clicks securely into place. Tighten any long screws to fix it firmly.
5. **Connect Cables:** Plug the search coil cable into the designated port on the control box.
6. **Install Batteries:** Open the battery compartment on the control box and insert the two 9V batteries, observing polarity.
7. **Connect Headphones:** If desired, plug the headphones into the headphone jack located behind the display/controller.

Simple and practical setup

A good helper on your treasure hunt



Figure 3.1: Detailed assembly diagram illustrating how to connect the search coil, support bar, grips, and control box.

Your browser does not support the video tag.

Video 3.1: A step-by-step guide on how to install and assemble the Lepmerk Metal Detector (GC-1079).

4. OPERATING MODES

Your Lepmerk Metal Detector offers four distinct operating modes to optimize your treasure hunting experience:

- **ALL METAL Mode:** In this mode, the detector will notify you when it senses any type of metal. It is ideal for general searching when you want to find all metallic objects without discrimination.
- **DISC (Discrimination) Mode:** This mode allows you to discriminate against unwanted types of metal. You can set the detector to ignore certain metals, focusing your search on specific targets like gold or silver.
- **NOTCH Mode:** Similar to DISC mode, NOTCH mode allows you to eliminate specific metal targets from detection. Press "NOTCH", then use the "+" or "-" buttons to select and eliminate the target ID you wish to

ignore.

- **PP (Pinpoint) Mode:** Once you have detected a metal object, use PP mode to accurately identify its specific location. The closer you get to the metal target, the louder the audio tone produced by the detector, helping you pinpoint the exact spot for excavation.



Figure 4.1: Visual guide to the four main operating modes of the metal detector.

Your browser does not support the video tag.

Video 4.1: An explanation of the various operating modes and features of the Metal Detector GC-1079.

4.1. Three-Tone Audio Discrimination

The detector is equipped with three distinct audio tones (treble, midrange, and bass) that correspond to different types of metals. This feature assists in identifying the type of metal detected without looking at the display.

Table 4.1: Metal Type and Corresponding Audio Tone/ID

Target	Iron	5 Cent Nickel	Pull tab Aluminum	1cent/zinc S-caps	10 Cent Copper	25 Cent Silver coin
Tone	Low	Low	Medium	Medium	High	High
ID Display	Nails	Nickel	Can Pull Tab	Zinc Cap	Copper Coin	Silver Coin
Digital Value	1-15	16-30	31-50	51-70	71-85	86-99

Figure 4.2: Three-tone audio discrimination chart with corresponding target IDs and digital values. (Refer to product images for visual icons).

4.2. LCD Display and Backlight

The backlit LCD display provides crucial information at a glance, including possible metal types, target depth, DISC range, SENS level, volume, and battery condition, along with a digital display for target ID. Press the light button on the controller to turn the display backlight on or off, useful in dark environments.

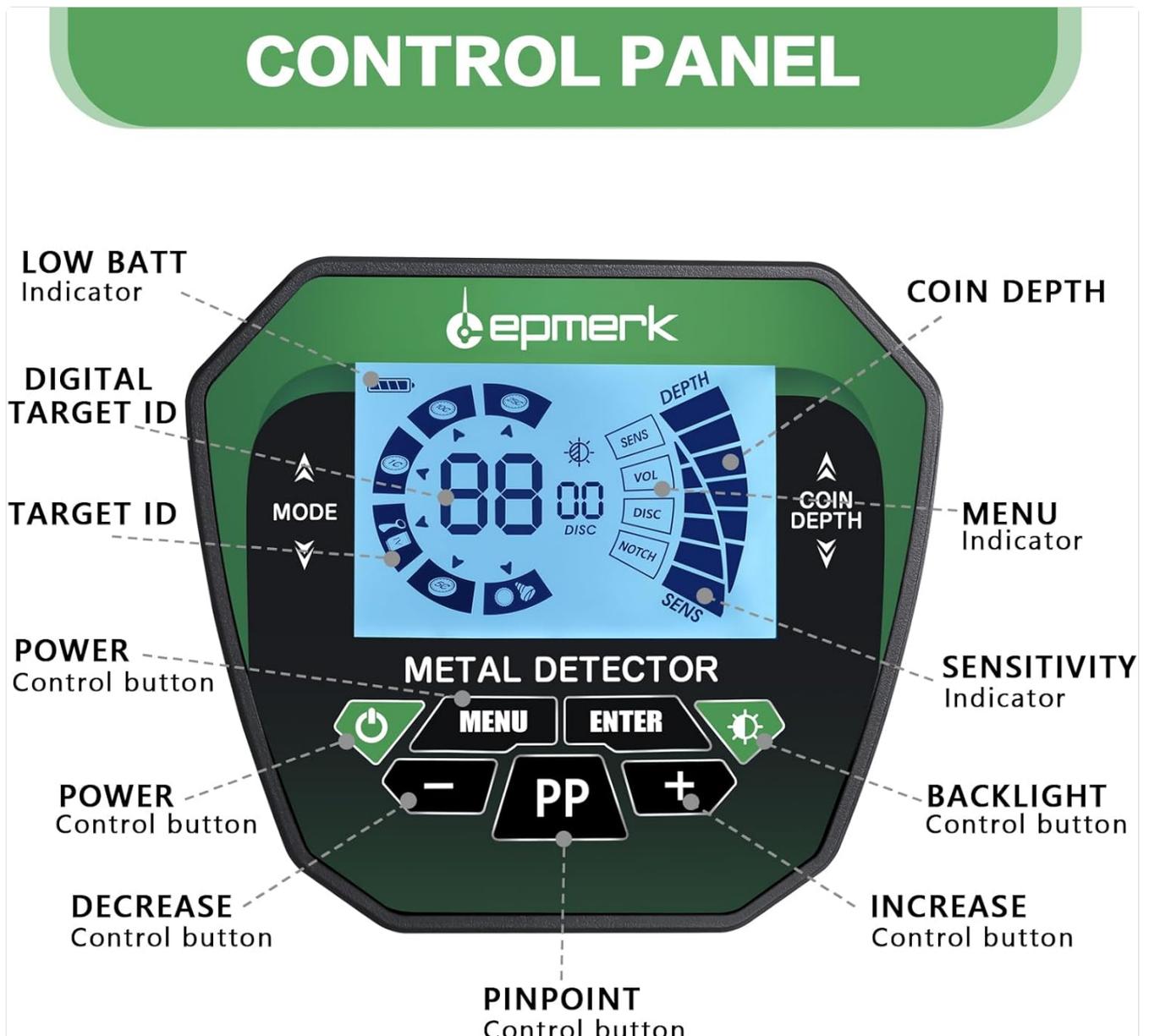


Figure 4.3: Comprehensive view of the control panel and its various indicators.

5. WATERPROOF FEATURES

The 10-inch search coil is IP68 waterproof, allowing for effective operation in shallow water environments such as beaches, streams, and during rainy conditions. This expands your treasure hunting possibilities significantly. **Note: The control box is NOT waterproof and must be kept dry.**



Figure 5.1: The IP68 waterproof search coil designed for underwater detection.

TREASURE HUNT IN THE WATER



Figure 5.2: Example of treasure hunting in shallow water using the waterproof search coil.

6. MAINTENANCE

- **Cleaning:** After each use, especially in wet or dirty conditions, wipe down the search coil and rod with a damp cloth. Ensure the control box remains dry.
- **Battery Care:** If the metal detector will not be used for an extended period, remove the 9V batteries from the control box to prevent leakage and prolong battery life.
- **Storage:** Store the detector in its portable carrying bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically check all cables and connections for any signs of wear or damage.

7. TROUBLESHOOTING

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

- **No Power:**
 - Check if batteries are correctly installed with proper polarity.
 - Ensure batteries have sufficient charge. Replace if necessary.
 - Verify all connections to the control box are secure.
- **No Detection/Weak Signal:**
 - Adjust the sensitivity (SENS) level.
 - Ensure the search coil cable is securely connected.
 - Check if you are in the correct operating mode (e.g., ALL METAL for general detection).
 - Perform a test with a known metal object to confirm functionality.
- **False Signals/Chatter:**
 - Lower the sensitivity (SENS) level.
 - Move away from sources of electromagnetic interference (power lines, other electronics).
 - Ensure the search coil cable is tightly wound around the rod and not swinging freely.
- **Inaccurate Pinpointing:**
 - Ensure you are in PP (Pinpoint) mode.
 - Slowly sweep the coil over the target area to identify the strongest signal.

If the problem persists, please contact customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	Lepmerk
Model Number	LEP3241114
Color	Green
Power Source	Battery Powered (2x 9V batteries)
Material	Metal, Silver
Product Dimensions	18"L x 12"W x 6.3"H
Adjustable Length	Yes
International Protection Rating	IP68 (Search Coil), Control Box Not Waterproof
Recommended Uses	Metal Detection
Display Type	LCD
Item Weight	6.53 pounds
Country of Origin	China

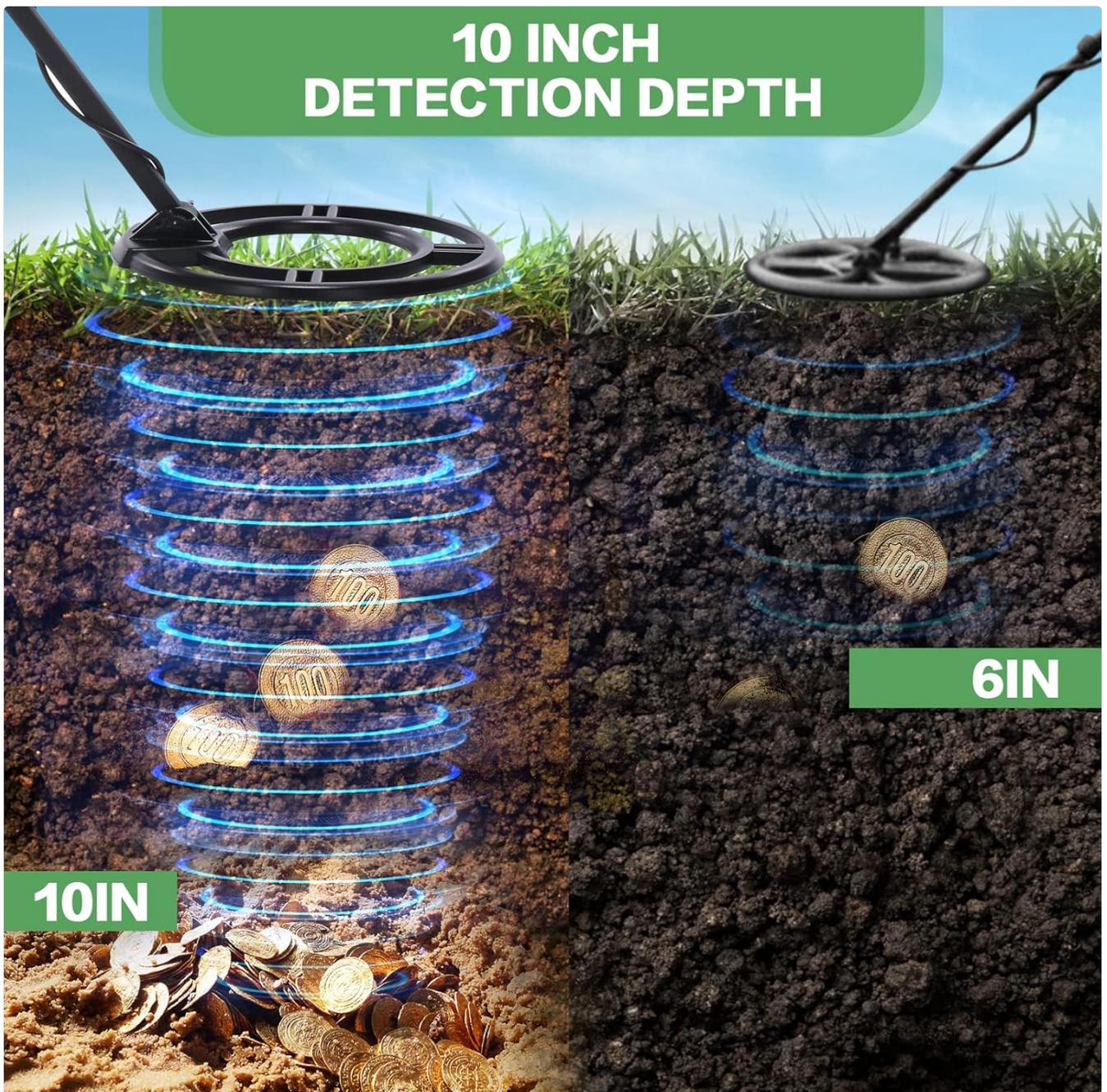


Figure 8.1: Illustration of the 10-inch detection depth capability.

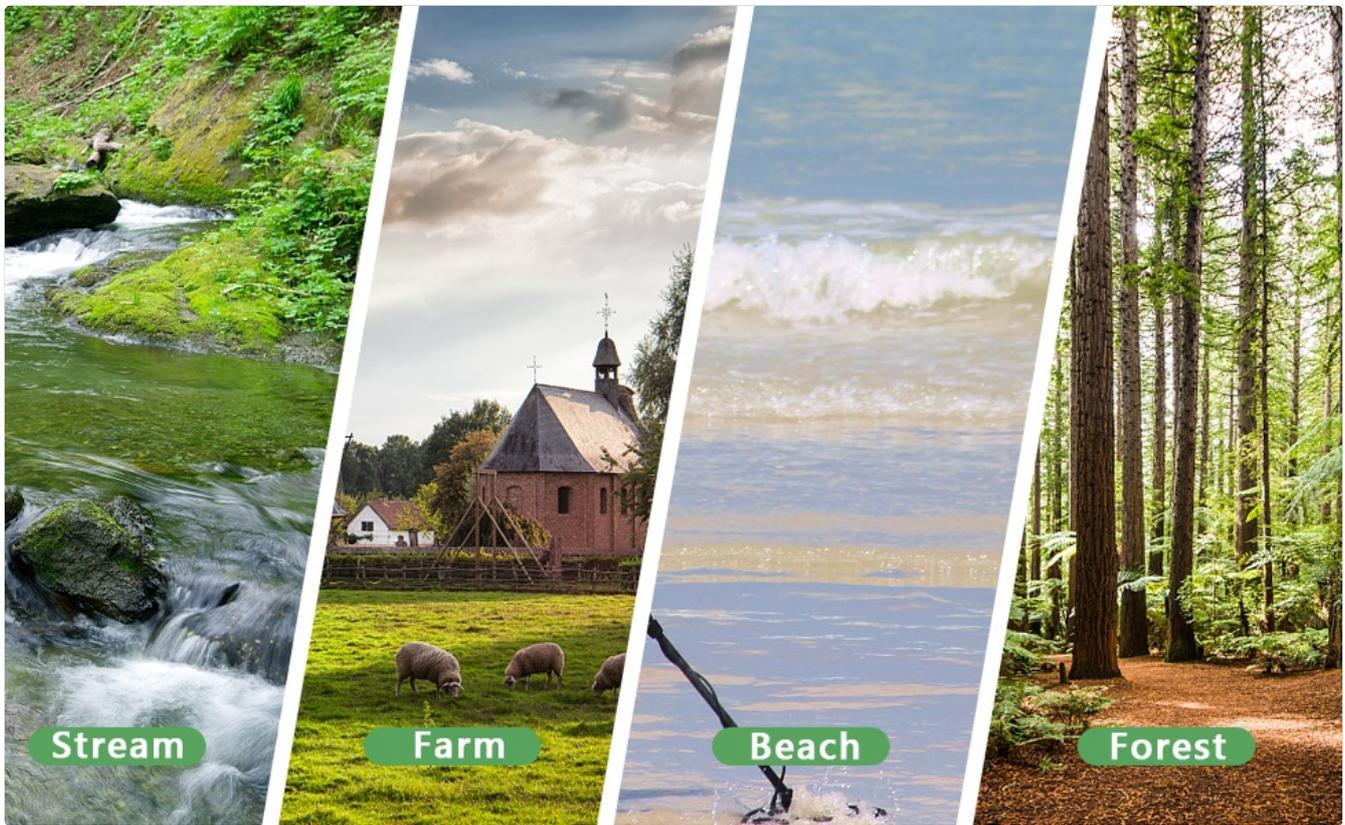


Figure 8.2: Various environments where the metal detector can be effectively used.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Lepmerk website or contact the seller directly. A digital version of this user manual is available for download at: [Lepmerk Metal Detector User Manual \(PDF\)](#).