

TECLUNG GT

TECLUNG Metal Detector User Manual

Model: GT

INTRODUCTION

This user manual provides detailed instructions for the assembly, operation, and maintenance of your TECLUNG Metal Detector. Designed for both beginners and experienced enthusiasts, this device features a waterproof search coil, an intuitive LCD display, and multiple detection modes to enhance your treasure hunting experience. Please read this manual thoroughly before using the metal detector to ensure proper function and safety.

PRODUCT COMPONENTS

Your TECLUNG Metal Detector package includes the following main components:

- Control Box with LCD Display
- 10-inch Waterproof Search Coil
- Adjustable Stem
- Arm Support and Hand Rest
- Headphones (included with some models)
- Shovel (included with some models)



Figure 1: Overview of the TECLUNG Metal Detector and its accessories.

The Most Comprehensive Function



Figure 2: Key structural components of the metal detector.

SETUP AND ASSEMBLY

1. Assembly

1. Attach the search coil to the lower stem using the provided bolt and nut. Ensure it is securely fastened but allows for slight angle adjustment.
2. Connect the lower stem to the middle stem, and then connect the middle stem to the upper stem (which includes the control box and arm support).
3. Adjust the length of the stem to a comfortable height, allowing the search coil to be parallel to the ground when you are standing upright.
4. Secure the arm support and hand rest for comfortable operation.
5. Wrap the search coil cable neatly around the stem, ensuring it is not too tight or loose, and plug the connector into the port on the control box.

2. Battery Installation

The TECLUNG Metal Detector requires two (2) 9-volt batteries for operation. Ensure you use fresh, high-quality batteries for optimal performance.

1. Locate the battery compartment on the back of the control box.
2. Open the battery compartment cover.
3. Insert two 9-volt batteries, observing the correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

***Note:** Remove batteries if the detector will not be used for an extended period to prevent leakage and damage.*

OPERATING INSTRUCTIONS

1. Powering On and Off

- To power on the detector, press the **Power ON/OFF** button (usually marked with a power symbol) on the control box.
- To power off, press and hold the **Power ON/OFF** button until the display turns off.

2. Understanding the LCD Display

The intuitive LCD display provides crucial information during detection. Familiarize yourself with the indicators:

INTUITIVE DISPLAY WITH BACKLIGHT

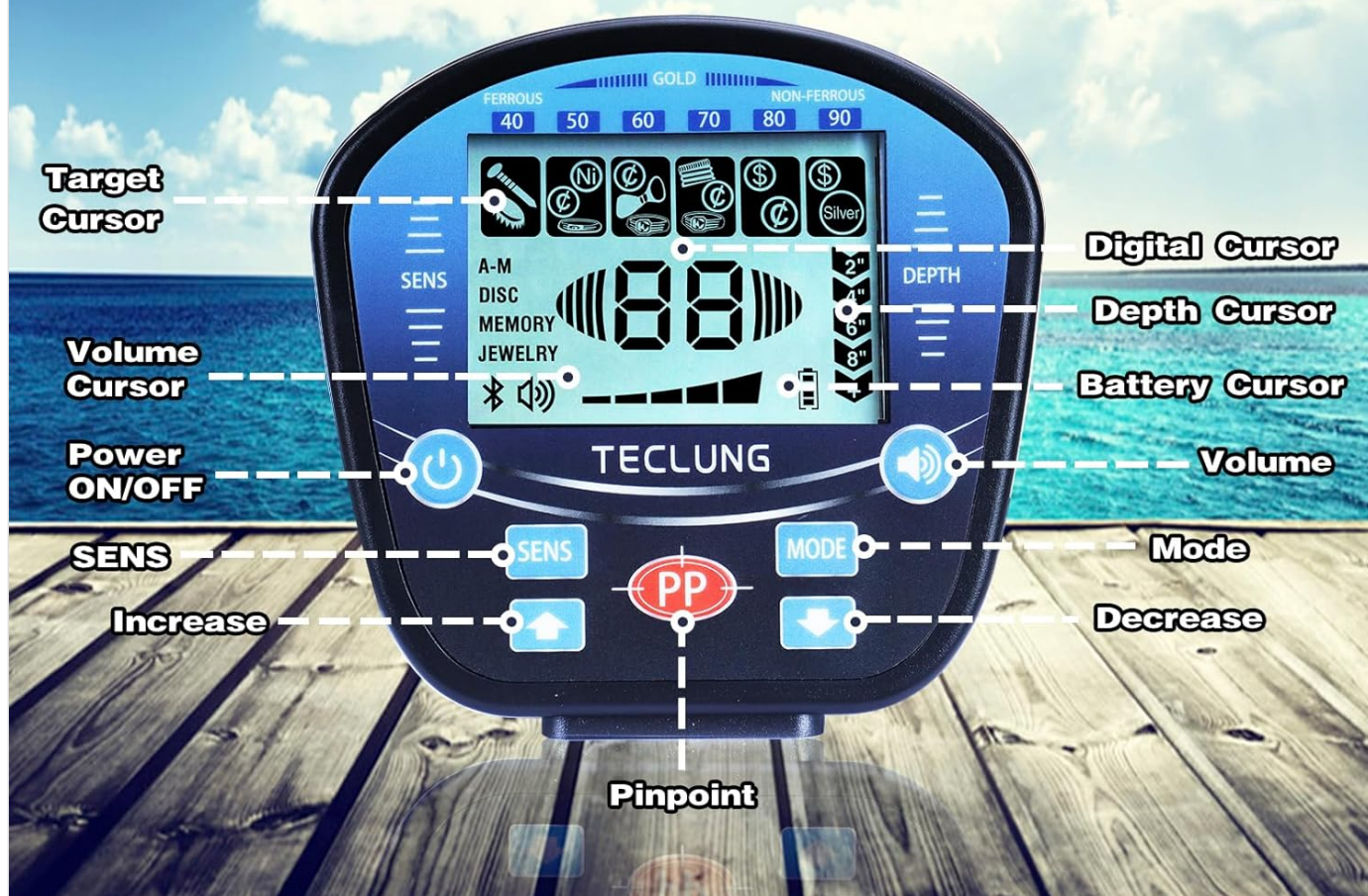


Figure 3: LCD Display and Control Panel Layout.

- **Target Cursor:** Indicates the probable type of metal detected (e.g., iron, foil, nickel, aluminum, zinc, copper, silver, gold).
- **Digital Cursor:** Provides a numerical ID for the detected target, aiding in identification.
- **Depth Cursor:** Estimates the depth of the detected object (e.g., 2", 4", 6", 8"+).
- **Battery Cursor:** Shows the current battery level.
- **Volume Cursor:** Indicates the current audio volume level.
- **SENS (Sensitivity):** Adjusts the detector's sensitivity to targets. Higher sensitivity can detect smaller or deeper objects but may also pick up more interference.
- **MODE:** Cycles through the different detection modes.
- **PP (Pinpoint):** Activates the pinpoint function for precise target location.

3. Adjusting Sensitivity (SENS)

Press the **SENS** button and use the arrow buttons (**Increase/Decrease**) to adjust the sensitivity level. Start with a moderate sensitivity and increase it if needed, or decrease it if experiencing false signals.

4. Adjusting Volume

Use the **Volume** buttons (often integrated with arrow keys or a dedicated button) to increase or decrease the audio output.

DETECTION MODES

Your TECLUNG Metal Detector features 5 distinct detection modes, allowing you to optimize your search for specific types of targets. Press the **MODE** button to cycle through them.



Figure 4: Overview of the 5 Detection Modes.

1. All Metal Mode:

Detects all types of metal objects. This mode is ideal for general searching when you want to find any metallic item, regardless of its composition. The detector will notify you of every metal it senses.

2. DISC (Discrimination) Mode:

Allows you to eliminate unwanted metal targets (e.g., iron trash) from detection. You can set the discrimination level

to ignore certain types of metals, focusing only on valuable targets. Use the arrow buttons to adjust the discrimination range.

3. **Jewelry Mode:**

Specifically tuned to find jewelry such as rings, necklaces, and bracelets. This mode typically discriminates against iron and other common trash metals.

4. **Memory Mode:**

Detects only the metal targets that you have previously memorized or programmed into the detector. Consult the full manual for detailed instructions on how to set and use the memory function.

5. **Pinpoint (PP) Mode:**

Once a target is detected, press the **PP** button to activate pinpoint mode. This mode helps you accurately locate the exact position of the target before digging, minimizing excavation size.

USAGE TIPS AND BEST PRACTICES

1. Sweeping Technique

Hold the search coil parallel to the ground, about 1-2 inches above the surface. Swing the coil slowly from side to side in overlapping sweeps. Maintain a consistent speed and height for best results.

2. Waterproof Search Coil

The 10-inch search coil is waterproof (IP68 rated), allowing for detection in shallow water, streams, and beaches. The control box is not waterproof and should not be submerged.

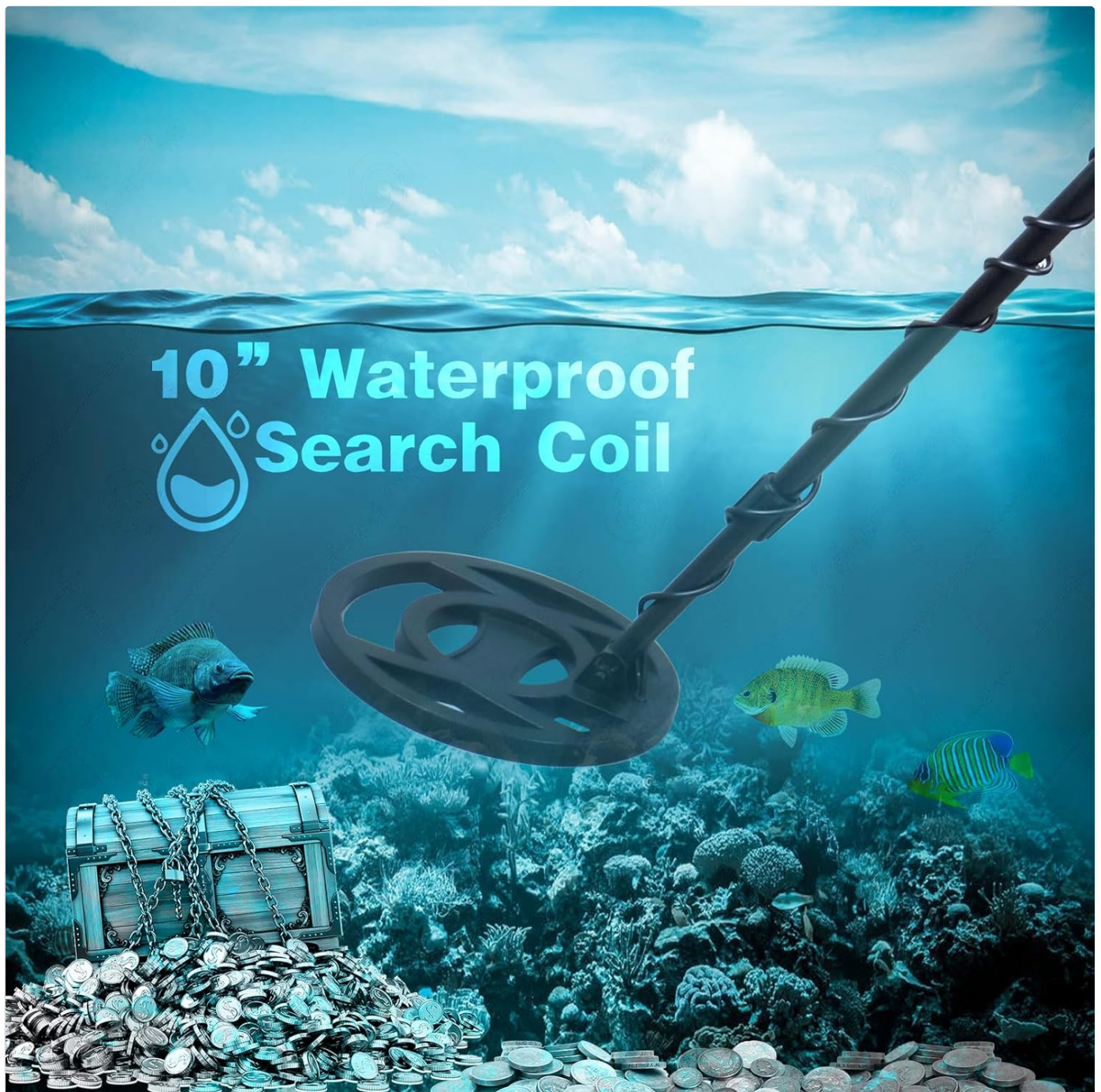


Figure 5: The waterproof search coil allows for detection in shallow water.

3. Detection Depth

The detector is capable of detecting objects up to 10 inches deep, depending on the size, composition, and orientation of the target, as well as soil conditions.



Figure 6: The detector can find targets up to 10 inches deep.

MAINTENANCE AND CARE

- **Cleaning:** After each use, especially in sandy or muddy conditions, wipe down the search coil and stem with a damp cloth. Avoid using abrasive cleaners or solvents.
- **Control Box:** Keep the control box dry and clean. If it gets wet, wipe it immediately. Do not submerge the control box.
- **Storage:** Store the metal detector in a cool, dry place. If storing for an extended period, remove the batteries to prevent corrosion.
- **Coil Protection:** Consider using a coil cover (if available) to protect the search coil from scratches and abrasions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No power / Detector does not turn on.	<ul style="list-style-type: none"> Batteries are dead or low. Batteries inserted incorrectly. Loose cable connection. 	<ul style="list-style-type: none"> Replace with fresh 9-volt batteries. Check battery polarity. Ensure search coil cable is securely plugged into the control box.
False signals / Erratic beeping.	<ul style="list-style-type: none"> Sensitivity is too high. Electromagnetic interference (EMI) from power lines, cell phones, etc. Mineralized ground. 	<ul style="list-style-type: none"> Reduce sensitivity. Move away from sources of EMI. Perform ground balance (if feature available, otherwise reduce sensitivity).
Poor detection depth.	<ul style="list-style-type: none"> Sensitivity is too low. Incorrect sweeping technique. Heavily mineralized ground. 	<ul style="list-style-type: none"> Increase sensitivity. Ensure consistent, slow, overlapping sweeps. Adjust sensitivity or consider a different search location.
Display is dim or unreadable.	<ul style="list-style-type: none"> Low battery. Extreme temperatures. 	<ul style="list-style-type: none"> Replace batteries. Operate within recommended temperature ranges.

SPECIFICATIONS

Feature	Detail
Brand	TECLUNG
Model Number	GT
Color	Blue
Material	Metal
Power Source	Battery Powered (2 x 9V batteries required)
Item Weight	3.7 Pounds (approx. 1.68 kg)
Product Dimensions	10 x 2 x 2.7 inches (Control Box)
Extended Length	Adjustable (up to approx. 40 inches)
International Protection Rating	IP68 (Search Coil only)
Operating Frequency	7 KHz
Display Type	LCD with Backlight
Number of Programs/Modes	5 (All Metal, DISC, Jewelry, Memory, Pinpoint)
Recommended Uses	Metal Detection

WARRANTY AND SUPPORT

TECLUNG products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please refer to the contact information provided with your product packaging or visit the official TECLUNG website. Please retain your proof of purchase for warranty claims.

For further assistance, you may contact TECLUNG customer service through their official channels. Always provide your product model number (GT) and purchase date when seeking support.