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Ginour TPKPT0040US

Ginour Metal Detector User Manual

Model: TPKPT0040US

1. Introduction

This manual provides comprehensive instructions for the assembly, operation, maintenance, and troubleshooting of your Ginour Lightweight Metal Detector. Please read this manual thoroughly before using the device to ensure safe and effective operation.

Product Overview

The Ginour Metal Detector is designed for detecting various metals, including iron, aluminum, tin, copper, silver, and gold. It features a large waterproof search coil, a backlit LCD display, and adjustable height, making it suitable for both adults and children in diverse environments.

Package Contents

Upon unpacking, verify that all components listed below are present:

- 1 x Ginour Metal Detector unit
- 1 x Multi-purpose Folding Shovel (with storage bag and compass)
- 1 x Carrying Bag
- 1 x Earphones
- 1 x Handbag
- *Note: 2 x 9V batteries are required and not included.*



Figure 1.1: Ginour Metal Detector complete kit, including the main unit, multi-purpose shovel, carrying bag, earphones, and handbag.

2. Setup and Assembly

Follow these steps to assemble your metal detector and prepare it for use.

2.1 Assembly

1. Carefully unpack all components from the packaging.
2. Attach the search coil to the lower stem. Ensure it is securely fastened.
3. Connect the lower stem to the middle stem, and then connect the middle stem to the control box assembly. Align the locking pins and tighten any collars or nuts to secure the connections.
4. Route the search coil cable along the stem and wrap it around the stem to prevent tangling. Plug the cable into the designated port on the control box.
5. Adjust the armrest for comfortable use.



Figure 2.1: Fully assembled Ginour Metal Detector, ready for operation.

2.2 Battery Installation

The metal detector requires two 9V batteries (not included). Ensure correct polarity when inserting.

1. Locate the battery compartment on the control box.
2. Open the battery compartment cover.
3. Insert two 9V batteries, observing the positive (+) and negative (-) markings.
4. Close the battery compartment cover securely.

2.3 Adjusting Height

The detector's height is adjustable from 100cm to 130cm to accommodate different users. Loosen the locking collar on the stem, extend or retract the stem to the desired length, and then tighten the collar to secure it.

3. Operating Instructions

Familiarize yourself with the control panel and operating modes for optimal detection.

3.1 Control Panel and LCD Display

The 3.4-inch backlit LCD display provides essential information, including detection mode, target indication, sensitivity level, and battery status. The backlight can be adjusted from 0-9 levels for visibility in various lighting conditions.



Figure 3.1: Close-up view of the backlit LCD display and control buttons.

3.2 Operating Modes

The detector offers three primary detection modes:

- **PinPoint (PP) Mode:** Used for precise localization of a detected target. The closer you are to the target, the

stronger the signal indicated on the display.

- **DISC (Discrimination) Mode:** Allows the user to filter out unwanted metals. The display will show a value corresponding to the detected metal, enabling you to ignore specific types.
- **NOTCH Mode:** Similar to DISC, but allows for the exclusion of specific metal symbols or ranges. This mode is useful for focusing on particular target types while ignoring others. The detector also features a memory function for NOTCH settings.

3.3 Sensitivity Adjustment

The detector features 8 levels of sensitivity adjustment. Adjusting sensitivity is crucial for different environments. In areas with high mineralization or electrical interference, reducing sensitivity can help minimize false signals. In open, clear areas, higher sensitivity can increase detection depth.

3.4 Search Coil Operation

The 10-inch large-diameter search coil is waterproof, allowing for detection in shallow water.*Note: The LCD control box is not waterproof and must not be submerged.* The optimal detection depth ranges from 18cm to 30cm, depending on the target size and ground conditions.



Figure 3.2: The 10-inch waterproof search coil submerged in water, demonstrating its capability for underwater exploration.

3.5 Using the Multi-purpose Shovel

The included multi-purpose folding shovel is a versatile tool for excavation and other tasks. It can function as a shovel, saw, hammer, and includes a compass for navigation.

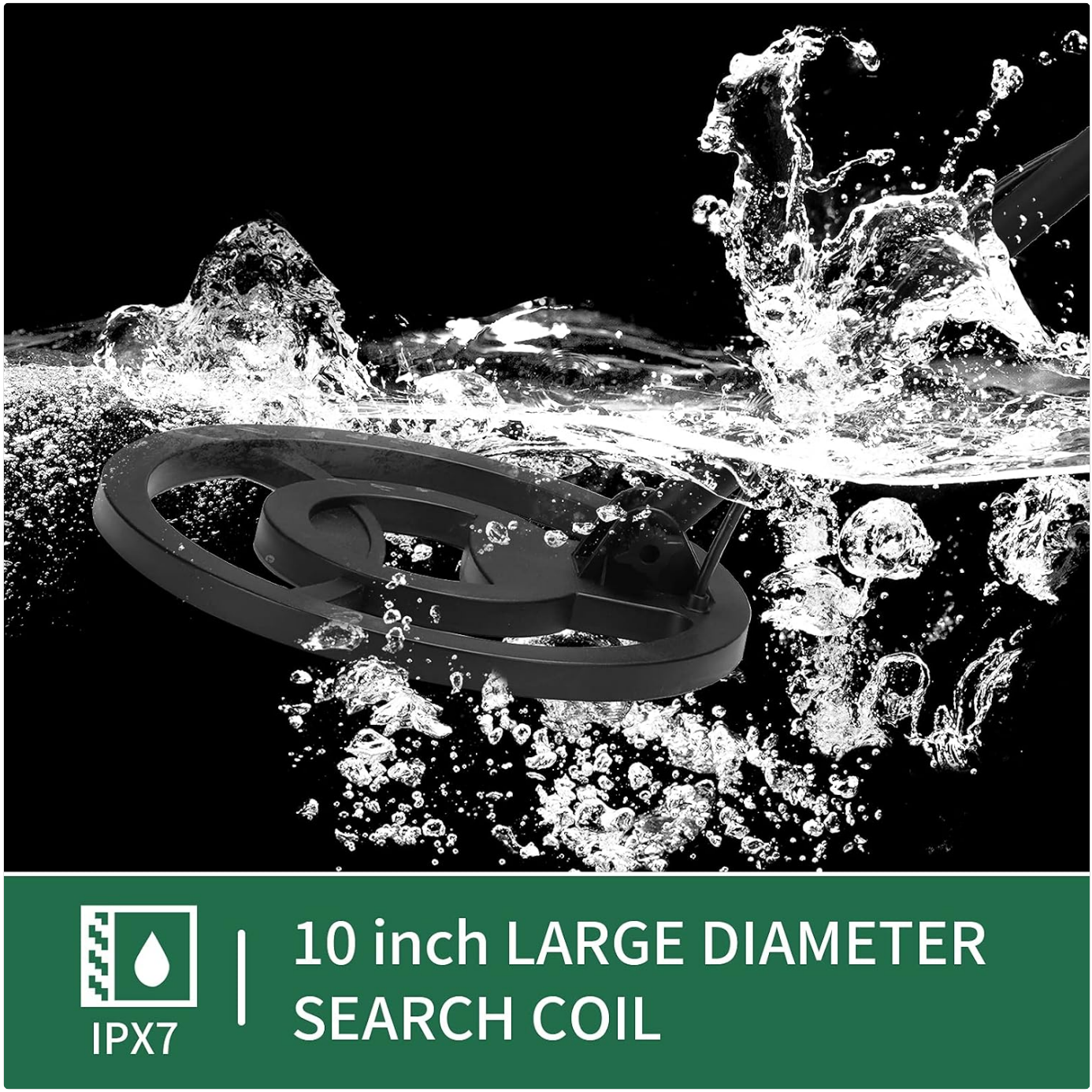


Figure 3.3: The multi-purpose folding shovel demonstrating its various functions, including shoveling, sawing, and use as a hammer, along with an integrated compass.

3.6 Detection Environments

The metal detector is suitable for various outdoor environments, including forests, sandy beaches, lawns, and general sandy ground. Always be aware of your surroundings and local regulations regarding metal detecting.



Figure 3.4: Examples of suitable environments for metal detecting, including forests, sandy beaches, lawns, and sandy ground.

4. Maintenance

Proper maintenance will extend the life and performance of your metal detector.

4.1 Cleaning

- After each use, especially in dirty or wet conditions, wipe down the search coil and stem with a damp cloth.
- Do not use abrasive cleaners or solvents, as these can damage the finish or electronic components.
- Ensure the control box is kept dry. If it gets wet, wipe it immediately with a dry cloth.

4.2 Storage

- When not in use for extended periods, remove the batteries from the control box to prevent leakage and corrosion.
- Store the metal detector in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use the provided carrying bag for protection during storage and transport.

4.3 Battery Care

- Always use fresh, high-quality 9V batteries.
- When the battery indicator on the LCD display shows low power, replace both batteries promptly to ensure consistent performance.
- Dispose of used batteries according to local regulations.

5. Troubleshooting

This section addresses common issues you might encounter and their potential solutions.

Problem	Possible Cause	Solution
No power or display	Batteries are dead or low. Batteries inserted incorrectly. Loose connections.	Replace with fresh 9V batteries. Check battery polarity. Ensure all stem connections and coil cable are secure.
Erratic signals or false positives	High sensitivity setting. Electromagnetic interference (EMI). Mineralized ground.	Reduce sensitivity level. Move away from power lines, cell phones, or other electronic devices. Lower sensitivity or use DISC/NOTCH mode to filter out ground minerals.
No detection or weak signal	Low battery. Incorrect mode selected. Search coil not parallel to the ground.	Replace batteries. Ensure an appropriate detection mode (e.g., All-Metal or DISC with wide range) is selected. Sweep the coil parallel to the ground at a consistent height.

6. Specifications

Feature	Detail
Model Number	TPKPT0040US
Product Dimensions	44 x 28 x 15.52 cm

Feature	Detail
Item Weight	2.78 kg
Material Type	Metal
Power Source	Battery Powered (2 x 9V batteries required)
Search Coil Diameter	25.4 cm (10 inches)
Search Coil Waterproof Rating	IPX7 (Coil only, control box is not waterproof)
Detection Depth	18-30 cm
Adjustable Height	100-130 cm
Display Type	Backlit LCD
Detection Modes	PinPoint, DISC, NOTCH

7. Warranty and Support

7.1 Product Warranty

Ginour provides a **24-month warranty** for this metal detector from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or failure to follow the instructions in this manual.

7.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Ginour Metal Detector, please contact Ginour customer support. Refer to the product packaging or the official Ginour website for the most current contact information.

When contacting support, please have your product model number (TPKPT0040US) and purchase date available.

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