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› KENTOKTOOL T11 Metal Detector User Manual

KENTOKTOOL T11

KENTOKTOOL T11 Metal Detector User Manual

Model: T11 | Brand: KENTOKTOOL

1. INTRODUCTION AND OVERVIEW

The KENTOKTOOL T11 Metal Detector is an advanced device designed for efficient and accurate metal detection. Equipped with an advanced US microchip and a 10-inch search coil, it offers superior sensitivity and target identification capabilities. This manual provides essential information for setting up, operating, and maintaining your metal detector to ensure optimal performance and longevity.

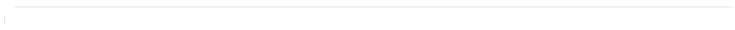


Figure 1: KENTOKTOOL T11 Metal Detector complete kit with main unit, search coil, headphones, shovel, and carry bag.

2. SETUP AND ASSEMBLY

Your KENTOKTOOL T11 Metal Detector is designed for easy assembly. Follow these steps to prepare your device for use:

- Attach the Search Coil:** Connect the 10-inch search coil to the lower stem. Ensure the cable is securely wrapped around the stem to prevent tangling during operation.
- Assemble the Shaft:** Connect the lower, middle, and upper shafts. The adjustable length allows customization for user comfort. Secure the sections using the provided snap-in buckles.
- Mount the Control Box:** Slide the control box onto the upper shaft. Secure it firmly with the screw located on the underside.
- Connect Cables:** Plug the search coil cable into the designated port on the control box. Ensure a snug fit.
- Install Armrest:** Attach the adjustable armrest to the upper shaft. Adjust its position for comfortable support during use.
- Insert Batteries:** Open the battery compartment on the control box and insert two 9V batteries (included), observing correct polarity.

Figure 2: The ergonomic structure of the metal detector allows for adjustable length and comfortable use.

3. OPERATING INSTRUCTIONS

The KENTOKTOOL T11 features an intuitive multi-functional controller and various search modes to enhance your treasure hunting experience.

3.1 Control Panel Overview



Figure 3: Multi-functional controller displaying various settings and indicators.

- **Power Button:** Turns the device ON/OFF.
- **Settings:** Accesses various adjustable parameters.
- **SENS (Sensitivity):** Adjusts the detection sensitivity. Higher sensitivity detects smaller or deeper objects but may increase false signals.
- **VOLUME:** Controls the audio output level.
- **DISC (Discrimination):** Eliminates unwanted metal types from detection.
- **NOTCH:** Allows specific metal types to be ignored.
- **PP (Pinpoint) Mode:** Enhances sensitivity for precise target location.
- **Backlight Toggle:** Activates or deactivates the display backlight.
- **Battery Level Indicator:** Displays remaining battery life.
- **Depth Indicator:** Estimates the depth of the detected object.

3.2 Search Modes

The T11 offers multiple search modes for different detection needs:

- **All Metal Mode:** Detects all types of metals, including gold, silver, coins, nails, keys, and jewelry. This is the default mode for general searching.
- **DISC Mode:** Allows you to eliminate unwanted metal targets, such as iron or foil, for more accurate detection of desired items.
- **NOTCH Mode:** Similar to DISC mode, but allows for more precise elimination of specific metal categories based on their conductivity.
- **PP (Pinpoint) Mode:** Once a target is detected, switch to PP mode to narrow down its exact location, reducing the need for extensive digging.



Figure 4: Visual representation of the different search modes and their functions.

3.3 Metal Identification

The T11 accurately identifies 9 types of metals, displaying detected targets with numbers and symbols for quick and easy identification on the LCD screen.

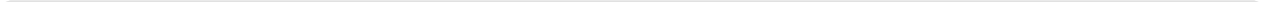


Figure 5: Metal identification chart on the display, showing categories like Iron, Foil, 5c, Alum, Zinc, 10c, 25c, 50c, and \$1.

4. MAINTENANCE

Proper maintenance ensures the longevity and performance of your metal detector:

- **Cleaning:** After each use, especially in sandy or wet environments, wipe down the search coil and shaft with a damp cloth. Ensure the search coil is clean and free of debris.
- **Storage:** Store the metal detector in a dry, cool place away from direct sunlight. Disassemble if storing for extended periods and place components in the provided carry bag.
- **Battery Care:** Remove batteries if the device will not be used for a long time to prevent leakage and damage.

5. TROUBLESHOOTING

If you encounter issues with your KENTOKTOOL T11 Metal Detector, refer to the following common problems and solutions:

- **No Power:**
 - Check battery installation and ensure correct polarity.
 - Replace batteries with fresh 9V batteries.
- **No Detection or Weak Signal:**
 - Increase the SENS (Sensitivity) setting.
 - Ensure the search coil cable is securely connected.
 - Check for electromagnetic interference from power lines, other electronic devices, or highly mineralized ground. Move to a different location if necessary.
- **False Signals or Erratic Behavior:**
 - Reduce the SENS (Sensitivity) setting.
 - Use DISC or NOTCH mode to eliminate unwanted metals.
 - Perform a ground balance if operating in highly mineralized soil (refer to advanced settings in the full user guide).
- **Display Issues (Unclear Readings or Symbols):**
 - Ensure the control box is securely mounted and connections are tight.
 - Refer to Figure 5 for detailed explanations of metal identification numbers and symbols.

6. SPECIFICATIONS

Feature	Detail
Brand	KENTOKTOOL
Model Number	T11

Color	Gold
Power Source	Battery Powered (2 x 9V batteries included)
Product Dimensions	17"L x 11"W x 6"H
Extended Length	87 Inches
Adjustable Length	Yes
International Protection Rating	IP68 (Waterproof search coil)
Operating Frequency	7.69 KHz
Display Type	LCD
Item Weight	6.6 pounds

7. IMPORTANT SAFETY INFORMATION

Do not submerge the controller in water.

Always exercise caution when digging to avoid damaging underground utilities or encountering hazardous materials. It is recommended to check local regulations regarding metal detecting in public and private areas.

8. WARRANTY AND SUPPORT

For detailed warranty information or further assistance, please refer to the official [User Guide \(PDF\)](#). You may also contact KENTOKTOOL customer support through the vendor's official channels for any product-related inquiries or technical support.