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> Minelab CTX 3030 Metal Detector User Manual

MINELAB 3228-0101

Minelab CTX 3030 Metal Detector User Manual

Model: 3228-0101

1. INTRODUCTION

The Minelab CTX 3030 is an advanced, all-terrain metal detector engineered for superior treasure detection. Its waterproof design allows for versatile use in various environments, including submerged conditions. Key features include a full-color LCD for clear target identification, advanced Target Trace discrimination to distinguish valuable items from junk, and integrated GPS for recording and navigating to your finds. The detector also offers wireless audio for enhanced user comfort and five preset search modes for ease of use, alongside advanced functions for experienced users. This manual will guide you through the essential aspects of using your CTX 3030.

2. WHAT'S INCLUDED

Upon unboxing your Minelab CTX 3030, please verify that all the following components are present:

- Minelab CTX 3030 Metal Detector Unit
- WM-10 Charging Cable
- Auto Charger
- Alkaline Battery Holder
- WM-10 Belt Clip
- WM-10 Wireless Module
- Removable Headphone Module
- USB Cable
- 11" DD Search Coil
- 6" DD Search Coil
- 11" Double D Coil Cover
- 6" Double D Coil Cover
- Universal AC Wall Adapter
- Li-ion Rechargeable Battery
- Minelab Carry Bag
- UR-30 Headphones

- Arm Rest Strap
- Coil Hardware
- Battery Charging Station
- Getting Started Guide



Figure 2.1: The Minelab CTX 3030 metal detector shown with all its standard included accessories, such as the two search coils, headphones, WM-10 module, various cables, and the carry bag.

3. SETUP AND ASSEMBLY

Before operating your CTX 3030, proper assembly and initial setup are crucial. Refer to the included 'Getting Started Guide' for detailed, step-by-step instructions and diagrams. Below is a general overview of the assembly process:

1. **Attach the Search Coil:** Securely fasten your chosen search coil (either the 11" DD or 6" DD) to the lower shaft using the provided coil hardware. Ensure the cable is wrapped snugly around the shaft.
2. **Assemble the Shaft:** Connect the lower, middle, and upper shaft sections. Adjust the length to a comfortable operating

position.

3. **Mount the Control Box:** Attach the main control box to the upper shaft. Ensure it is firmly seated.
4. **Connect Cables:** Plug the search coil cable into the appropriate port on the control box. Connect the WM-10 Wireless Module if you intend to use wireless audio.
5. **Install and Charge Battery:** Insert the Li-ion rechargeable battery into its compartment. Before first use, fully charge the battery using the provided charging station and AC wall adapter.
6. **Attach Armrest:** Secure the armrest to the upper shaft for comfortable operation.



Figure 3.1: The 11-inch Double-D (DD) search coil, one of the two waterproof coils included with the CTX 3030, ready for attachment to the detector shaft.



Figure 3.2: Close-up view of the CTX 3030's full-color LCD control panel, displaying various settings and navigation buttons for operation.

4. OPERATING INSTRUCTIONS

The CTX 3030 is designed for both simplicity and advanced functionality. Familiarize yourself with the control panel and its various settings to maximize your detecting experience.

4.1 Power On/Off

To power on the detector, press and hold the Power button located on the control panel until the screen illuminates. To power off, press and hold the Power button again until the unit shuts down.

4.2 Search Modes

The CTX 3030 comes with five preset Search Modes, optimized for different detecting conditions and target types. These modes provide a quick start for beginners. Advanced users can customize these modes or create their own. Consult the full user manual for details on each mode and customization options.

4.3 Target Identification and Discrimination

The full-color LCD provides visual target identification. The advanced Target Trace discrimination feature helps differentiate between valuable targets and unwanted junk, even in highly mineralized ground or trash-laden areas. Learn to interpret the visual cues and audio tones for accurate target assessment.

4.4 GPS Navigation and XChange 2

Utilize the integrated GPS to mark your detecting locations and record your finds. This data can be transferred to your computer using the XChange 2 PC application, allowing you to view your detecting paths and finds on Google Maps. This feature is invaluable for mapping productive areas and revisiting them.

4.5 Wireless Audio

The WM-10 Wireless Module provides the freedom of wireless audio, eliminating tangled headphone cables. Ensure the WM-10 is charged and paired with your detector for optimal performance. The detector also supports wired headphones via the removable headphone module.



Figure 4.1: The Minelab CTX 3030 demonstrating its waterproof capability, shown partially submerged in water, highlighting its suitability for detecting in wet environments.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Minelab CTX 3030.

5.1 Cleaning

- After each use, especially in wet or sandy conditions, wipe down the detector with a damp cloth.
- For stubborn dirt, use a mild soap solution. Avoid harsh chemicals or abrasive cleaners.
- Ensure all connections and ports are free of debris.
- The coils and lower shaft can be rinsed under fresh water due to their waterproof design.

5.2 Battery Care

- Always use the provided charging equipment.
- Do not expose the battery to extreme temperatures.
- For long-term storage, ensure the battery is partially charged (around 50%) and stored in a cool, dry place.

5.3 Storage

Store your detector in a dry, secure location, preferably in the included carry bag, to protect it from dust and physical damage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your CTX 3030. For more complex problems, refer to the comprehensive user manual or contact Minelab support.

Problem	Possible Cause	Solution
Detector does not power on	Battery discharged or not properly installed.	Ensure battery is fully charged and correctly inserted. Check battery contacts.

Problem	Possible Cause	Solution
No audio from headphones/speaker	Headphones not connected, WM-10 not paired, or volume too low.	Check headphone connection. Ensure WM-10 is charged and paired. Increase volume setting.
Erratic signals or false positives	High ground mineralization, electrical interference, or sensitivity too high.	Perform a ground balance. Reduce sensitivity setting. Move away from power lines or other electronic devices.
GPS not acquiring signal	Obstructed view of sky, or GPS function is off.	Move to an open area with clear sky view. Ensure GPS is enabled in settings.

7. SPECIFICATIONS

Below are the key technical specifications for the Minelab CTX 3030 Metal Detector:

Feature	Specification
Brand	MINELAB
Model Number	3228-0101
Color	Gray
Material	Metal
Power Source	Battery Powered (Li-ion rechargeable)
Item Weight	0.25 Kilograms (8.8 ounces)
Extended Length	55.3 Inches
Adjustable Length	Yes
International Protection Rating	IP54 (Waterproof)
Recommended Uses	Metal Detection
Display Type	LCD (Full Color)
Number of Programs	5 (Preset Search Modes)
Product Dimensions	12 x 34 x 5.5 inches

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Minelab CTX 3030 Metal Detector comes with a **3-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures your product performs as expected under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Minelab's official customer support. You can find contact information and additional resources on the official Minelab website: www.minelab.com/support

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