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› Hazlewolke DD60 Metal Detector User Manual

hazlewolke DD60

Hazlewolke DD60 Metal Detector User Manual

MODEL: DD60

1. Introduction

The Hazlewolke DD60 Metal Detector is a high-performance device designed for efficient treasure hunting and metal detection. Featuring a Double-D coil and an intuitive control system, it is engineered to reduce false signals and enhance target detection depth. Constructed from lightweight aluminum alloy, the DD60 is durable and adaptable to various terrains, offering five functional modes for diverse exploration needs.



Figure 1.1: Overview of the Hazlewolke DD60 Metal Detector and its included accessories.

2. Setup and Assembly

Before first use, carefully unpack all components and ensure all parts are present. The DD60 is designed for straightforward assembly.

2.1 Component Identification

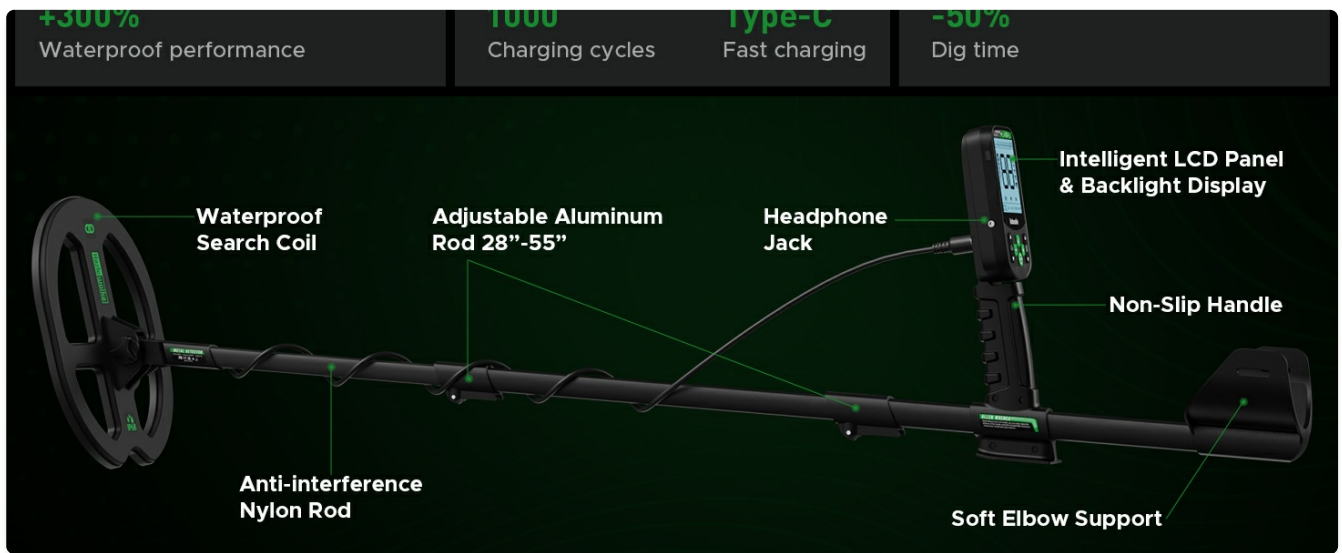


Figure 2.1: Labeled components of the DD60 Metal Detector.

2.2 Assembly Steps

1. Attach the search coil to the lower rod using the provided bolt and washer. Ensure it is securely fastened but allows for slight angle adjustment.
2. Connect the lower rod to the middle rod, ensuring the spring clips engage properly.
3. Slide the control unit onto the upper rod and secure it.
4. Attach the armrest to the upper rod. Adjust the length of the rod (28" to 55") for comfortable use by pressing the spring clips and sliding the sections.
5. Wrap the coil cable neatly around the rod, securing it with any provided clips, and plug it into the control unit's designated port.

2.3 Battery Installation and Charging

The DD60 uses a rechargeable 9V battery (included). Locate the battery compartment on the control unit. Insert the 9V battery, ensuring correct polarity. Charge the battery using the provided USB-C cable before first use. A full charge typically provides approximately 4 hours of typical operation.

Hazlewolke®

Double-D Metal Detector



Coil design with Double-D offering broader sweep paths and deeper detection compared to traditional concentric coils. Its design reduces false signals in mineralized soil, ensuring cleaner finds.

Figure 2.2: All components included in the DD60 Metal Detector kit.

3. Operating Instructions

Familiarize yourself with the control panel and various operating modes to maximize your detection efficiency.

3.1 Control Panel Overview

Simpler

7 Sensitivity Control *

5 Optional Modes

Metal Discrimination Control

Pinpoint

* The sensitivity level 7 is to achieve the ultimate detection depth, but there will be inevitable interference sound. It is recommended to set the sensitivity to level 5 for typical use.



Figure 3.1: The DD60's intuitive LCD control panel displaying sensitivity, mode, battery, and target ID.

The LCD display shows sensitivity level, current mode, battery life, and a 3-tone sound feedback system for target identification.

3.2 Powering On/Off

- To power on: Press and hold the power button until the display illuminates.
- To power off: Press and hold the power button until the unit powers down.

3.3 Operating Modes

The DD60 offers 5 functional modes to suit different detection environments and target types:

- **All Metal Mode (A-M):** Detects all types of metal without discrimination. Ideal for general searching or when the target material is unknown.
- **Coin Mode:** Optimized for detecting coins, filtering out common junk metals.
- **Relic Mode:** Designed to find older, often corroded, metallic artifacts.
- **Custom Mode:** Allows the user to set specific discrimination patterns to ignore unwanted metals.
- **Jewelry Mode:** Focuses on detecting precious metals like gold and silver jewelry.

3.4 Sensitivity Control

The detector features 7 sensitivity levels. Higher sensitivity increases detection depth but may also increase interference. For typical use, it is recommended to set the sensitivity to level 5 to balance depth and stability.

3.5 Pinpoint Function

Use the pinpoint function to accurately locate the exact position of a detected target before digging.

3.6 Detection Depth and Reach

The DD60 is capable of detecting targets up to 5 feet deep, depending on target size and ground conditions. The adjustable rod extends from 28 inches to 55 inches, accommodating users up to 6.6 feet tall for comfortable operation.

Improved Interference Handling



30%

Fewer false alarms

40%

Fewer missed targets

Figure 3.2: The DD60's deep detection capabilities, reaching up to 48 inches MAX.

Comfortably Extend Your Reach

Discover More with Ease

28" ↔ 55"

Comfortable for explorers
up to 6.6 feet



Figure 3.3: The adjustable rod allows for comfortable use by various heights.



Figure 3.4: Metal detecting in a field environment.



Figure 3.5: The waterproof Double-D coil allows for detection in shallow water.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your DD60 Metal Detector.

4.1 Cleaning

- **Search Coil:** The Double-D search coil is waterproof (IP68 rated) and features an epoxy resin process. It can be rinsed with fresh water after use, especially in sandy or muddy conditions. Ensure the cable connection to the control unit remains dry.
- **Control Unit and Rod:** Wipe the control unit and rod with a damp cloth. Avoid using abrasive cleaners or solvents.

4.2 Battery Care and Storage

- Recharge the 9V battery regularly, especially before extended storage.
- Store the detector in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for long periods, remove the battery to prevent leakage.



Figure 4.1: After detecting, ensure to clean the coil and other components.

5. Troubleshooting

This section addresses common issues you might encounter with your DD60 Metal Detector.

5.1 No Power / Unit Not Turning On

- **Check Battery:** Ensure the 9V battery is correctly installed and fully charged. Recharge if necessary.
- **Connections:** Verify all cable connections are secure, especially the coil cable to the control unit.

5.2 Erratic Signals / False Alarms

- **Sensitivity Too High:** Reduce the sensitivity level. High sensitivity can pick up ground mineralization or electromagnetic interference.
- **Ground Conditions:** In highly mineralized soil, false signals can occur. Try adjusting the sensitivity or using a different mode.
- **External Interference:** Move away from power lines, cell phones, or other electronic devices that may cause interference.
- **Coil Cable:** Ensure the coil cable is tightly wrapped around the rod and not swinging freely.

5.3 Poor Detection Depth

- **Sensitivity Setting:** Increase the sensitivity level, but be mindful of potential false signals.
- **Target Size/Orientation:** Very small or irregularly shaped targets may be harder to detect at depth.
- **Ground Conditions:** Extremely dense or highly mineralized ground can reduce detection depth.

5.4 Assembly Difficulties

- If parts do not fit smoothly, inspect for any obstructions or damage. Do not force components. Refer to the assembly diagram (Figure 2.1) for correct alignment.

6. Specifications

Feature	Detail
Brand	hazlewolke
Model	DD60
Material	Aluminum
Power Source	Battery Powered (1 x 9V included)
Item Weight	3.5 Pounds
Product Dimensions (L x W x H)	11" x 11" x 58"
Adjustable Length	Yes (28"-55")
Search Coil Size	11 Inches
Display Type	LCD/LED
Waterproof	Search Coil (IP68)
Recommended Uses	Metal Detection, Treasure Hunting, Gold/Mineral Prospecting, Beach Combing

7. Warranty and Support

For warranty information, technical support, or any inquiries regarding your Hazlewolke DD60 Metal Detector, please contact the manufacturer or your point of purchase. Keep your proof of purchase for any warranty claims.