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MINELAB 800

MINELAB Equinox 800 Multi-IQ Metal Detector

User Instruction Manual

Model: 800 | Brand: MINELAB

Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your MINELAB Equinox 800 Multi-IQ Metal Detector. Please read this manual thoroughly before using the device to ensure safe and effective operation. The Equinox 800 is designed for various metal detecting environments, offering advanced features for both novice and experienced users.

Important Safety Information

- Always obtain permission before detecting on private property.
- Be aware of local laws and regulations regarding metal detecting.
- Exercise caution when digging to avoid damaging underground utilities or historical artifacts.
- The search coil is waterproof to 3 meters (10 feet), but the control unit is not. Do not submerge the control unit.
- Keep the device away from strong magnetic fields.
- Use only the specified charging cable and power source.
- Store the detector in a dry, cool place when not in use.

Package Contents

Verify that all items listed below are present in your package:

- MINELAB Equinox 800 Multi-IQ Metal Detector Control Unit
- 11-inch Double-D Smart Coil with Skidplate
- Wireless Bluetooth / apt-X Low Latency Headphones

- Headphone Carry Case
- WM 08 Wireless Audio Module
- USB Charging Cable with Magnetic Connector
- Black Padded Carry Bag
- User Manual (this document)

Image: The complete MINELAB Equinox 800 package, including the detector, coil, headphones, WM 08 module, charging cable, and padded carry bag.

Image: The wireless Bluetooth headphones and their carry case, included with the Equinox 800.

Image: The black padded carry bag for transporting the MINELAB Equinox 800 metal detector.

Setup and Assembly

1. **Attach the Search Coil:** Securely attach the 11-inch Double-D Smart Coil to the lower stem using the provided bolt and washers. Ensure the coil cable is wrapped snugly around the stem.
2. **Assemble the Shaft:** Connect the lower, middle, and upper shaft sections. Adjust the length to a comfortable operating position, ensuring the control unit is at a suitable height for viewing.
3. **Mount the Control Unit:** Slide the control unit onto the upper shaft and secure it. Connect the coil cable to the control unit's port.
4. **Charge the Battery:** Before first use, fully charge the detector's internal Lithium-Ion battery using the USB charging cable. Connect the magnetic connector to the charging port on the control unit and the USB end to a suitable power adapter (not included). The battery indicator on the display will show charging status.
5. **Pair Wireless Headphones (Optional):** To use the wireless headphones, ensure they are charged. Power on the headphones and the detector. Refer to the headphone manual for specific pairing instructions. The WM 08 wireless audio module can also be paired for alternative wireless audio.

Image: The MINELAB Equinox 800 metal detector fully assembled, showing the control unit, shaft, and search coil.

Operating Instructions

Power On/Off

Press and hold the Power button () on the control unit for approximately 2 seconds to turn the detector on or off. The display will illuminate upon startup.

Image: A close-up view of the MINELAB Equinox 800 control panel, showing the display and various control buttons.

Understanding Search Modes

The Equinox 800 features multiple search modes optimized for different detecting conditions:

- **Park:** Ideal for high-trash areas like parks and public spaces.
- **Field:** Suitable for open fields and general detecting.
- **Beach:** Optimized for wet and dry sand, and underwater detecting.
- **Gold:** Designed for detecting small gold nuggets in mineralized ground.

Use the Mode button to cycle through these options. Each mode has specific settings that can be further adjusted.

Basic Operation

1. **Ground Balance:** Perform an automatic ground balance by pressing the Ground Balance button (⚲) and pumping the coil up and down over clear ground until a stable threshold is achieved. This calibrates the detector to the soil conditions.
2. **Sensitivity:** Adjust the sensitivity using the **+** and **-** buttons. Start with a moderate setting and increase it for deeper detection, or decrease it if experiencing excessive false signals.
3. **Discrimination:** Use the Discrimination button (⌫) to accept or reject certain target IDs. This helps filter out unwanted trash items.
4. **Sweeping the Coil:** Hold the coil parallel to the ground and sweep it slowly from side to side, overlapping each sweep. Maintain a consistent height above the ground.
5. **Pinpointing:** When a target is detected, press the Pinpoint button () to narrow down the target's exact location. Move the coil slowly over the target area until the strongest signal is found.

Image: A user operating the MINELAB Equinox 800, demonstrating how the control unit is held during detection.

Care and Maintenance

- **Cleaning:** After each use, wipe down the detector with a damp cloth. Avoid using abrasive cleaners or solvents. Ensure the coil and shaft are free of dirt and debris.
- **Storage:** Store the detector in its padded carry bag in a dry, cool environment. Avoid extreme temperatures.
- **Battery Care:** For long-term storage, ensure the battery is charged to approximately 50%. Recharge every few months to maintain battery health.
- **Coil Protection:** Keep the skidplate on the search coil to protect it from scratches and impacts. Replace if heavily worn.

Troubleshooting

Problem	Possible Cause	Solution
Detector does not power on.	Low or depleted battery.	Charge the battery fully using the USB charging cable.
Excessive false signals or chatter.	High sensitivity setting, electromagnetic interference, or improper ground balance.	Reduce sensitivity. Perform ground balance. Move away from power lines or other electronic devices.
No audio from headphones.	Headphones not paired, low headphone battery, or volume too low.	Ensure headphones are charged and correctly paired. Increase volume on both detector and headphones.
Inaccurate target ID.	Mineralized ground, target depth, or multiple targets.	Re-ground balance. Sweep slower. Use pinpoint mode to isolate targets.

Technical Specifications

- **Model:** Equinox 800
- **Operating Frequencies:** Multi-IQ (Simultaneous Multi-Frequency), 5 kHz, 10 kHz, 15 kHz, 20 kHz, 40 kHz (Single Frequencies)
- **Search Coil:** 11-inch Double-D Smart Coil (Waterproof to 3m/10ft)
- **Audio Output:** In-built Loudspeaker, 3.5mm Headphone Jack, Bluetooth, Wi-Stream, WM 08 Wi-Stream Module
- **Headphones:** Wireless Bluetooth / apt-X Low Latency Headphones
- **Battery:** Built-in Rechargeable Lithium-Ion
- **Weight:** Approximately 1.34 kg (2.96 lbs)
- **Length (Approx.):** 1440 mm (56.7 in) extended, 760 mm (29.9 in) collapsed
- **Waterproof:** Search Coil waterproof to 3m/10ft. Control unit is splash-proof/rainproof.
- **Ground Balance:** Automatic and Manual
- **Discrimination:** 50 Segment Notch Discrimination
- **Target ID:** -9 to 40

Warranty and Support

The MINELAB Equinox 800 Multi-IQ Metal Detector typically comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including warranty duration and coverage details. For technical support, service, or to purchase accessories, please visit the official MINELAB website or contact their customer service department. Keep your proof of purchase for warranty claims.

Online Resources: For additional tips, tutorials, and community forums, visit theofficial MINELAB website.