

MINELAB EQUINOX 700

MINELAB Equinox 700 Multi-Frequency Collapsible Metal Detector User Manual

Model: EQUINOX 700

Brand: MINELAB

1. INTRODUCTION

The MINELAB Equinox 700 is an advanced multi-frequency metal detector designed for enthusiasts and professionals alike. It combines cutting-edge technology with user-friendly features, making it suitable for various terrains and target types. This manual provides essential information for setting up, operating, and maintaining your Equinox 700 to ensure optimal performance and longevity.

With its revolutionary Multi-IQ technology, the Equinox 700 offers superior detection capabilities, allowing you to find a wide range of targets in diverse ground conditions, including highly mineralized soil and saltwater beaches.

2. PRODUCT OVERVIEW

The Equinox 700 is engineered for versatility and performance. Key components include the main control unit, the EQX 11" Double-D waterproof coil, and wireless headphones. Its design emphasizes portability and durability, featuring lightweight carbon-fiber shafts.

2.1 Key Features

- **Multi-IQ Technology:** Simultaneously employs multiple frequencies (or selectable single frequencies) for maximum performance across all metals and ground conditions.
- **Fully Waterproof:** Submersible up to 16 ft (5 m), enabling underwater detection in rivers, lakes, and oceans.
- **Multiple Detect Modes:** Offers specialized modes (Park, Field, Beach) optimized for different environments and target types.
- **Accurate Target ID:** Provides fast and precise target identification, helping to distinguish valuable finds from trash.
- **Portable Design:** Features lightweight 3-piece carbon-fiber shafts, collapsing to a compact 24 inches (61 cm) for easy transport.
- **Integrated Lighting:** Includes a built-in flashlight, backlight display, and keypad backlight for low-light conditions.
- **Wireless Audio:** Comes with low-latency wireless headphones for clear audio signals.



Figure 2.1: The MINELAB Equinox 700 Multi-Frequency Collapsible Metal Detector with its EQX 11" Double-D coil.



Figure 2.2: Diagram illustrating the main components of the Equinox 700, including the waterproof EQX11 coil with skidplate, carbon fiber shaft, backlit control pod, and adjustable armrest.

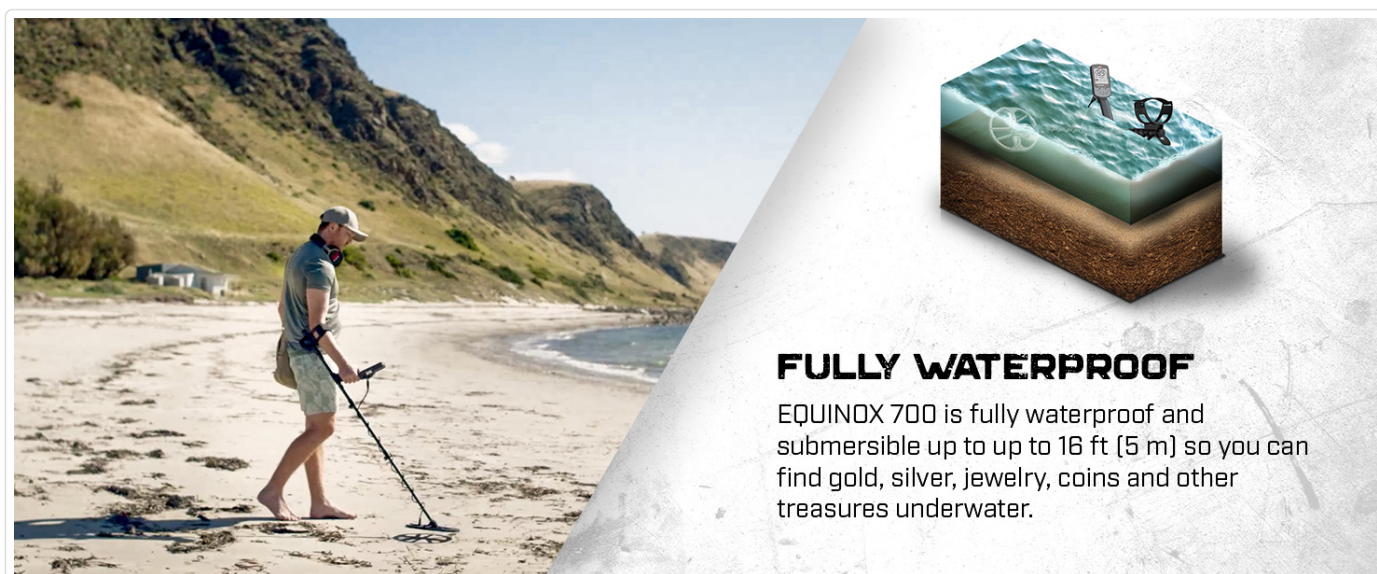


Figure 2.3: Detailed view of the Equinox 700 control pod, highlighting buttons for power, lighting, detect mode, all-metal mode, pinpoint/detect, wireless audio control, sensitivity/settings adjust, accept/reject, and frequency select.

3. SETUP

3.1 Assembly

1. **Unpack Components:** Carefully remove all components from the packaging, including the control unit, coil, shafts, and headphones.
2. **Assemble Shafts:** Connect the three carbon-fiber shaft sections. Ensure they are securely locked into place.
3. **Attach Coil:** Secure the EQX 11" Double-D coil to the lower shaft using the provided hardware. Ensure the coil cable is wrapped snugly around the shaft to prevent tangling and false signals.
4. **Connect Control Unit:** Attach the control unit to the upper shaft. Connect the coil cable to the control unit's port, ensuring a tight, waterproof seal.
5. **Adjust Armrest:** Position the adjustable armrest for comfortable use.

3.2 Charging the Battery

The Equinox 700 is powered by a rechargeable Lithium Ion battery. Before first use, fully charge the detector.

- Locate the magnetic USB charging connector on the control unit.
- Connect the charging cable to the detector and a suitable USB power source (e.g., wall adapter, computer USB port).
- The battery indicator on the display will show charging progress. A full charge typically takes several hours.

The included wireless headphones also require charging. Refer to their separate instructions for charging procedures.

4. OPERATING THE MINELAB EQUINOX 700

4.1 Power On/Off

Press and hold the Power button (located on the control pod) for a few seconds to turn the detector on or off. The display will illuminate upon startup.

4.2 Detect Modes

The Equinox 700 features three primary detect modes, each optimized for specific detecting environments:

- **Park Mode:** Ideal for high-trash areas like parks and urban environments. This mode is designed to handle iron and other common trash items while still identifying valuable targets.
- **Field Mode:** Best suited for open fields, agricultural land, and areas with less metallic interference. It excels at finding fine coins and artifacts.
- **Beach Mode:** Specifically engineered for wet sand and saltwater conditions, where mineralization can be challenging for other detectors. This mode effectively filters out saltwater interference.

To switch between modes, press the "Detect Mode" button on the control pod. The selected mode will be indicated on the display.



DETECT MODES

**Equally adaptable for
all target types and
ground conditions:**

- Park
- Field
- Beach

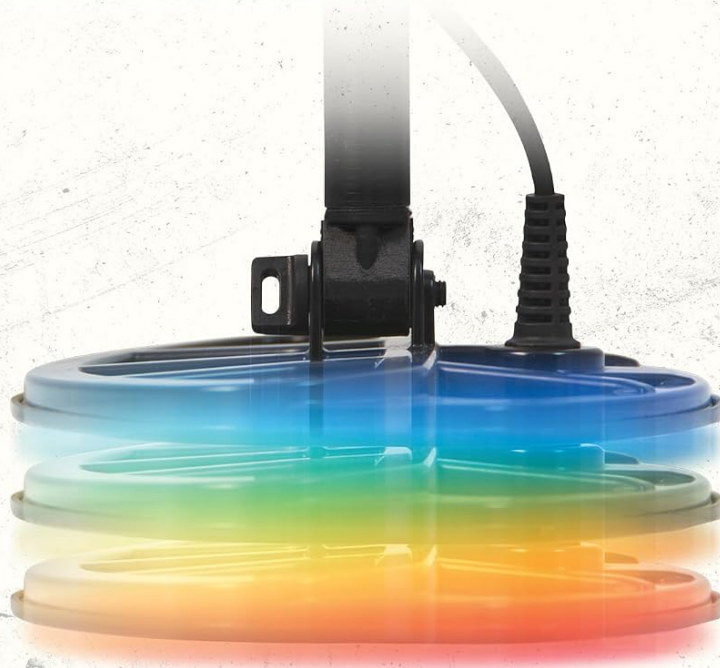
Figure 4.1: The Equinox 700 offers adaptable detect modes for various target types and ground conditions, including Park, Field, and Beach.

4.3 Multi-IQ Technology

MINELAB's Multi-IQ technology allows the Equinox 700 to operate on multiple frequencies simultaneously, providing superior depth and sensitivity across a wider range of targets and ground conditions. You can also select specific single frequencies (4 options available) if you have a particular target in mind or prefer a specific frequency for certain conditions.

SIMULTANEOUS MULTI-FREQUENCY

Maximum performance,
plus a wide range of
single frequencies



Multi-IQ


Simultaneous Multi-Frequency Technology

Figure 4.2: Visual representation of Multi-IQ technology, demonstrating simultaneous multi-frequency operation for maximum performance.

4.4 Target Identification (ID)

The Equinox 700 provides fast and accurate Target ID numbers on the display, along with superior audio control. These features help you to confidently sort valuable targets from trash and estimate their size and depth before digging.

- **Target ID Numbers:** Higher numbers generally indicate larger or more conductive targets.
- **Audio Tones:** Different tones correspond to different target types, providing an auditory cue for identification.
- **Pinpoint Mode:** Use the Pinpoint button to narrow down the exact location of a detected target for precise recovery.

FAST & ACCURATE TARGET ID

Don't miss any valuable targets
amongst the trash



Figure 4.3: Accurate Target ID helps differentiate between valuable targets like coins and unwanted items such as nails or bottle caps.

4.5 Waterproofing

The Equinox 700 is fully waterproof and submersible up to 16 feet (5 meters). This allows for effective metal detecting in shallow water, rivers, and even for light diving applications. Ensure all connections, especially the coil cable and charging port cap, are securely sealed before submerging the detector.

WATERPROOF

Fully submersible up
to 5m / 16-feet



Figure 4.4: The Equinox 700 is fully waterproof, allowing for detection in aquatic environments up to 16 feet (5 meters) deep.

5. MAINTENANCE

- **Cleaning:** After each use, especially in wet or dirty conditions, wipe down the detector with a damp cloth. For saltwater use, rinse the coil and lower shaft with fresh water. Do not use abrasive cleaners or solvents.
- **Coil Care:** Inspect the coil and cable for any damage. The EQX 11" Double-D coil comes with a skidplate for protection; ensure it is properly attached.
- **Battery Care:** Store the detector with a partially charged battery (around 50%) if not used for extended periods. Avoid fully discharging the battery frequently.
- **Storage:** Store the detector in a cool, dry place, away from direct sunlight and extreme temperatures. The collapsible design allows for compact storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector does not power on.	Low or depleted battery.	Charge the battery fully using the provided USB cable.
Constant false signals or erratic behavior.	High electromagnetic interference (EMI). Improper ground balance. Coil cable not securely wrapped or damaged. Sensitivity set too high for current conditions.	Perform noise cancel (refer to the full user manual for detailed steps). Re-ground balance the detector. Ensure the coil cable is tightly wrapped around the shaft and connections are secure. Reduce the sensitivity setting.
No audio from headphones.	Headphones not paired or out of range. Headphone battery depleted. Volume too low.	Re-pair headphones with the detector. Charge headphone battery. Increase volume on both detector and headphones.
Poor target depth or discrimination.	Incorrect detect mode for conditions. Improper ground balance. Coil not parallel to the ground.	Select the appropriate detect mode. Re-ground balance. Maintain a consistent sweep height with the coil parallel to the ground.

For more detailed troubleshooting or advanced settings, please refer to the comprehensive MINELAB Equinox 700 user manual available on the manufacturer's website.

7. SPECIFICATIONS

Feature	Detail
Model	EQUINOX 700 (Item model number: 3720-0005)
Brand	MINELAB
Technology	Multi-IQ (Simultaneous Multi-Frequency)
Operating Frequencies	Multi-IQ, plus 4 selectable single frequencies (e.g., 5 KHz mentioned in specs, but Multi-IQ implies more)
Waterproof Rating	IP68 (Fully submersible up to 16 ft / 5 m)
Coil	EQX 11" Double-D Coil with Skidplate
Headphones	Low Latency Wireless Headphones (included)
Shaft Material	Carbon-fiber
Collapsed Length	24 inches (61 cm)
Extended Length	Up to 58.5 inches (143.5 cm)
Item Weight	2.8 lbs (1.2 kg) / 5.9 Pounds (from specs, likely packaged weight)

Feature	Detail
Power Source	Battery Powered (1 Lithium Ion battery required, included)
Display Type	LCD with Backlight
Additional Features	Handgrip Vibration, Built-in Flashlight, Keypad Backlight
UPC	811493017716

8. WARRANTY AND SUPPORT

MINELAB provides comprehensive support for its products. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official MINELAB website.

If you encounter any issues not covered in the troubleshooting section or require technical assistance, please contact MINELAB customer support. You can typically find contact information on the MINELAB website or within your product packaging.

For additional resources, including detailed manuals, software updates, and community forums, visit the official MINELAB website: www.minelab.com

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

