**MINELAB 3300-0500**

# Minelab GPX 6000 Gold Detector User Manual

Model: 3300-0500

## 1. Product Overview

The Minelab GPX 6000 is an advanced all-gold detector designed for adults, featuring 11-inch Monoloop and 14-inch Double-D waterproof coils, and includes wireless headphones. This detector is engineered for efficient gold detection across various ground conditions.




Figure 1: The Minelab GPX 6000 Gold Detector, showcasing its main components including the control unit, shaft, and search coils.

Key features include GeoSense-PI technology for precise gold signal analysis, the ability to locate gold fragments to large nuggets, and a robust design tested for extreme environments. Its lightweight carbon fiber shafts and user-friendly interface ensure comfortable and efficient operation.

## 2. Setup and Assembly

Before first use, assemble the detector components and ensure the battery is charged.

### 2.1 Component Identification




Figure 2: Exploded view of the GPX 6000, highlighting the GPX11 Monoloop coil, carbon fiber shaft, backlit control pod, lightweight control box, and built-in speaker.

### 2.2 Assembly Steps

1. **Attach the Search Coil:** Securely connect your chosen search coil (11" Monoloop or 14" Double-D) to the lower shaft using the provided hardware. Ensure the cable is wrapped snugly around the shaft.
2. **Connect Shaft Sections:** Assemble the carbon fiber shaft sections, ensuring they click into place. The detector's length is adjustable from 26.5 inches (67 cm) to 61 inches (155 cm).
3. **Mount Control Box:** Attach the control box to the upper shaft. Connect the coil cable to the control box.
4. **Charge Battery:** The detector uses 1 Lithium Ion battery (included). Fully charge the battery before first use. The battery life is approximately 8 hours.
5. **Connect Wireless Headphones:** The included wireless headphones provide low-latency audio. Pair them with the detector according to the instructions in the headphone manual.




Figure 3: The two included search coils (11" Monoloop and 14" Double-D) and the low-latency wireless headphones.

## 3. Operating Instructions

The GPX 6000 is designed for ease of use with automatic features.

### 3.1 Powering On and Basic Controls




Figure 4: The control panel of the GPX 6000, illustrating the various buttons and display indicators for operation.

- **Power On/Off:** Press and hold the power button on the control pod to turn the detector on or off.
- **Volume Adjust:** Use the volume buttons to increase or decrease the audio output.
- **Noise Cancel:** Activate noise cancel to reduce electromagnetic interference from the environment.
- **Ground Type:** Select the appropriate ground type setting for optimal performance in different soil conditions.

## 3.2 GeoSense-PI Technology and Automatic Ground Balance

The GPX 6000 utilizes GeoSense-PI technology to precisely analyze gold signals and filter out ground noise. The automatic ground balance continuously adapts to changing soil conditions as you sweep the coil, eliminating the need for manual adjustments.




Figure 5: The GeoSense-PI technology ensures clear detection of gold signals by effectively analyzing and filtering ground interference.

## 3.3 Detecting Gold

Sweep the search coil slowly and steadily over the ground, keeping it as close to the surface as possible. The detector will emit an audio signal when gold is detected. The GPX 6000 is capable of accurately locating small gold fragments to large nuggets.

Your browser does not support the video tag.

Video 1: Demonstrates the Minelab GPX 6000 in action, highlighting its ability to detect various types of gold in different environments. This

video shows the detector's smart and all-gold detection capabilities.




Figure 6: The GPX 6000 is capable of accurately locating a wide range of gold sizes, from small fragments to large nuggets.

## 4. Maintenance

- **Cleaning:** After each use, wipe down the detector, especially the coil, with a damp cloth to remove dirt and debris. Avoid using harsh chemicals.
- **Coil Care:** The 11" Monoloop and 14" Double-D coils are waterproof up to 3 feet (1 meter). However, the control unit is not waterproof. Avoid submerging the control unit.
- **Battery Storage:** For long-term storage, ensure the Lithium Ion battery is partially charged (around 50%) and store it in a cool, dry place.
- **General Storage:** Store the detector in a clean, dry environment, away from extreme temperatures and direct sunlight.

## 5. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| No power | Battery discharged or not connected properly. | Ensure battery is fully charged and correctly inserted. |
| Erratic signals / False signals | High electromagnetic interference (EMI) or highly mineralized ground. | Perform Noise Cancel. Adjust Ground Type setting. Move away from power lines or other electronic devices. |
| No audio from headphones | Headphones not paired or low battery. | Ensure headphones are charged and correctly paired via Bluetooth. Check volume settings. |
| Poor detection depth | Incorrect ground balance or coil not parallel to ground. | Ensure automatic ground balance is active. Maintain a consistent, low sweep height. |

## 6. Specifications

| Feature | Detail |
|---|---|
| Brand | MINELAB |

| Feature | Detail |
|---|---|
| Model Number | 3300-0500 |
| Item Weight | 4.6 Pounds (2.1 kg) |
| Product Dimensions | 61"L x 15.3"W x 5.2"H (Extended) |
| Adjustable Length | Yes (26.5" / 67 cm to 61" / 155 cm) |
| Power Source | Battery Powered (1 Lithium Ion battery included) |
| Battery Life | 8 Hours |
| Operating Frequency | 12 KHz |
| International Protection Rating | IP54 (Control unit not waterproof, coils waterproof up to 3 ft/1m) |
| Display Type | LCD |
| Included Coils | 11" Monoloop, 14" Double-D |

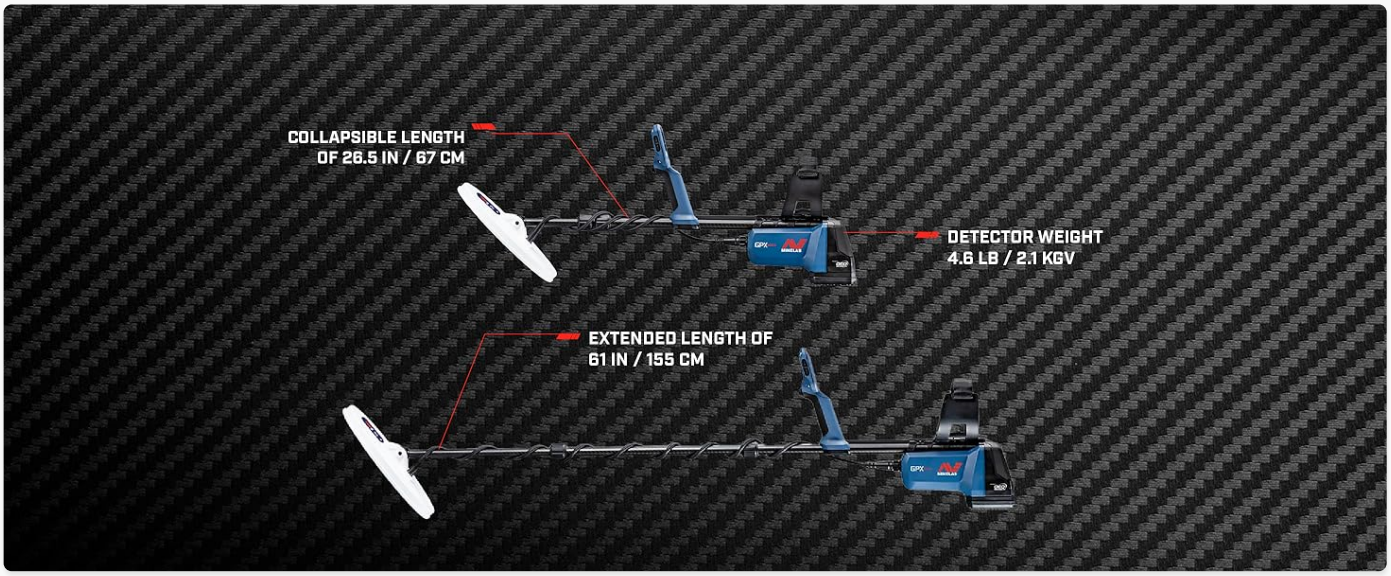



Figure 7: The adjustable length and lightweight design of the GPX 6000 for portability and ease of use.

## 7. Warranty and Support

The Minelab GPX 6000 comes with a **3-year warranty**, ensuring peace of mind regarding product quality and performance. This warranty covers manufacturing defects and ensures the detector's durability even in harsh environments.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Minelab's global support. Detailed contact information can typically be found on the official Minelab website or through your authorized dealer.




Figure 8: Minelab's commitment to quality and support for its products.

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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