

## Fisher Labs GOLDBUG-PRO

# Fisher Labs Gold Bug Pro Metal Detector Instruction Manual

Model: GOLDBUG-PRO

## 1. INTRODUCTION AND OVERVIEW

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The Fisher Labs Gold Bug Pro Metal Detector is a high-performance device specifically engineered for gold prospecting. It operates at a 19kHz frequency, making it highly sensitive to small gold nuggets, even in highly mineralized soils. Its advanced features, including variable breakpoint tone discrimination and real-time ground balancing, provide precise control and efficient target identification.

This manual provides essential information for the proper assembly, operation, and maintenance of your Gold Bug Pro metal detector to ensure optimal performance and longevity.



Figure 1.1: The Fisher Labs Gold Bug Pro Metal Detector, fully assembled.

This image shows the complete Gold Bug Pro metal detector, featuring its distinctive gold-colored shaft, black control box with a digital display, and a white search coil. The ergonomic design includes a padded armrest and a comfortable grip.

## 2. SETUP AND ASSEMBLY

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Before operating your metal detector, proper assembly is crucial. Follow these steps to set up your Gold Bug Pro:

1. **Attach the Search Coil:** Secure the search coil to the lower stem using the provided non-metallic bolt and knurled nut. Ensure the coil cable is routed securely along the stem.
2. **Assemble the Shafts:** Connect the lower stem to the middle stem, and then connect the middle stem to the upper stem (which has the control box attached). Ensure all connections are firm.
3. **Mount the Control Box:** The control box is pre-mounted on the upper shaft. Adjust its position for comfortable operation.
4. **Connect the Coil Cable:** Carefully plug the search coil cable into the corresponding port on the control box. Ensure the connection is secure but do not overtighten.
5. **Install Batteries:** The Gold Bug Pro requires one 9V battery (included). Open the battery compartment, insert the battery with correct polarity, and close the compartment securely. The typical battery life is approximately 100 hours.



Figure 2.1: Partial assembly of the Gold Bug Pro, showing the search coil and lower shaft.

This image illustrates the search coil attached to the lower shaft, ready to be connected to the rest of the detector's assembly. The coil cable is visible, designed to wrap around the shaft for secure routing.

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Video 2.1: Unboxing and initial assembly of the Fisher Labs Gold Bug Pro. This video demonstrates the components as they are removed from the packaging and the initial steps of connecting the search coil to the shaft. Note: The video shows a broken plastic nut upon unboxing, which is a manufacturing or shipping defect and not typical for proper assembly.

### 3. OPERATING INSTRUCTIONS

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The Gold Bug Pro offers intuitive controls for effective metal detection. Familiarize yourself with the control panel and its functions:



Figure 3.1: Close-up of the Gold Bug Pro control panel.

This image provides a detailed view of the control panel, highlighting the digital display, gain and threshold knobs, and the ground balance/disc mode buttons. The display shows target ID numbers, ground phase, and ground balance readings.

- **Power/Gain Knob:** Turn clockwise to power on and increase sensitivity (gain). Higher gain increases detection depth but may also increase sensitivity to ground mineralization and electrical interference.
- **Threshold/Disc Mode Knob:** In All-Metal mode, this controls the background hum (threshold). In Discrimination mode, it adjusts the level of discrimination, allowing you to filter out unwanted metals (e.g., iron). The V-Break Tone Discrimination system allows for precise control over target audio responses.
- **Ground Balance (GG) Button:** Press and hold this button to activate the computerized ground grab technology for real-time ground balancing. This feature automatically adjusts the detector to the soil conditions, minimizing false signals from ground minerals.
- **Pinpoint Button:** Press and hold to narrow down the target's location for precise recovery.
- **+/- Buttons:** Used to adjust various settings displayed on the screen, such as discrimination levels or ground balance values.

For optimal performance, especially in highly mineralized areas, it is recommended to perform ground balancing frequently.

## 4. MAINTENANCE

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Proper maintenance ensures the longevity and performance of your metal detector:

- **Cleaning:** After each use, wipe down the detector with a damp cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the detector in a dry, cool place. If storing for extended periods, remove the battery to prevent leakage.
- **Coil Care:** The search coil is durable, but avoid striking it against hard objects. While the detector has an IP54 rating (splash resistant), it is not designed for submersion. Do not use in or near water.
- **Cable Management:** Ensure the coil cable is not pinched or excessively stretched during use or storage.

## 5. TROUBLESHOOTING

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If you encounter issues with your Gold Bug Pro, consider the following common problems and solutions:

- **No Power:** Check battery installation and ensure the battery has sufficient charge. Replace if necessary.
- **Erratic Signals/False Signals:** This can be caused by improper ground balance, high gain settings in mineralized soil, or electromagnetic interference. Re-ground balance the detector, reduce the gain, or move away from power lines or other electronic devices.
- **Poor Depth:** Ensure the gain setting is appropriate for the ground conditions. Check the search coil cable connection for looseness. Highly mineralized ground can also reduce detection depth; proper ground balancing is key.
- **No Audio:** Check headphone connection if using headphones. Ensure volume is not set to zero.
- **Physical Damage:** Inspect all components for visible damage, especially after transport or accidental drops. As seen in the unboxing video, small plastic parts like the coil nut can be fragile. Contact customer support for replacement parts if needed.

## 6. SPECIFICATIONS

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Feature	Specification
Brand	Fisher Labs
Model Number	GOLDBUG-PRO
Color	Black
Operating Frequency	19 KHz
Power Source	Battery Powered (1 x 9V battery included)
Battery Life	100 Hours
Item Weight	2.5 Pounds
Product Dimensions	53"L x 8"W x 5"H
Material	ABS Plastic
Adjustable Length	Yes

International Protection Rating	IP54 (Splash Resistant)
Recommended Uses	Metal Detection

## 7. SAFETY INFORMATION





**WARNING: This product can expose you to chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

- Always use headphones when operating the metal detector to protect your hearing and to better discern faint signals.
- Do not use in or near water, as the device is not fully waterproof (IP54 rating means it is splash resistant, not submersible).
- Keep the device away from strong magnetic fields to prevent interference and potential damage.
- Avoid dropping the detector or subjecting it to harsh impacts, as this can damage internal components.
- Always follow local regulations and laws regarding metal detecting activities in your area. Respect private property and protected historical sites.

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please refer to the official documentation included with your product or visit the manufacturer's website. The manufacturer is First Texas Products, LLC.

### Related Documents - GOLDBUG-PRO

	<a href="#">Fisher Gold Bug 2 Metal Detector Operating Manual</a> Comprehensive operating manual for the Fisher Gold Bug 2 metal detector, covering setup, operation, features, maintenance, and specifications for gold prospecting and treasure hunting.
	<a href="#">Fisher Gold Bug Pro Metal Detector Owner's Manual</a> Comprehensive owner's manual for the Fisher Gold Bug Pro metal detector, covering setup, operation, features like ground balancing and discrimination, search techniques, and specifications for gold prospecting, relic hunting, and coin shooting.
	<a href="#">Fisher F70 Metal Detector User Manual   Operation &amp; Features</a> Comprehensive user manual for the Fisher F70 metal detector, covering assembly, operation, settings, search techniques, and troubleshooting. Learn how to use your F70 for coinshooting, relic hunting, and gold prospecting.
	<a href="#">Fisher M-Scope Portable Walk-Through Metal Detector Operation Manual</a> Comprehensive operation manual for the Fisher M-Scope portable walk-through metal detector, covering assembly, operation, advanced functions, troubleshooting, and specifications. Includes details on security features and maintenance.



### [Fisher F2 Hobby Metal Detector Operating Manual](#)

Comprehensive operating manual for the Fisher F2 Hobby Metal Detector, covering setup, controls, search techniques, and target identification.



### [Fisher F5 Metal Detector Operating Manual and User Guide](#)

Comprehensive guide to the Fisher F5 Professional Metal Detector, covering setup, features, operation, and specifications for effective metal detecting.