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> VIHELM T90 GoldHunter Metal Detector Instruction Manual

## VIHELM T90

# VIHELM T90 GoldHunter Metal Detector

## Instruction Manual

### INTRODUCTION

Thank you for choosing the VIHELM T90 GoldHunter Metal Detector. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your device. Please read it thoroughly before use and keep it for future reference.

### SAFETY INFORMATION

- Always be aware of your surroundings when operating the metal detector.
- Do not use the detector in areas where unexploded ordnance or dangerous materials may be present.
- Exercise caution when digging to avoid injury or damage to underground utilities.
- Keep the device away from extreme temperatures and direct sunlight for prolonged periods.
- Ensure batteries are inserted correctly and dispose of them responsibly.

### PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Metal Detector (excluding charger and battery)
- 1 x Wireless Headphone
- 1 x 12" Double-D Waterproof Coil
- 1 x User Manual

*Note: The T90 metal detector requires 4 AA batteries, which are not included.*

### PRODUCT OVERVIEW

The VIHELM T90 GoldHunter is a fully waterproof underground metal detector designed for high stability and

accurate locating. It features a retractable rod, wireless headphone compatibility, and a large search coil.




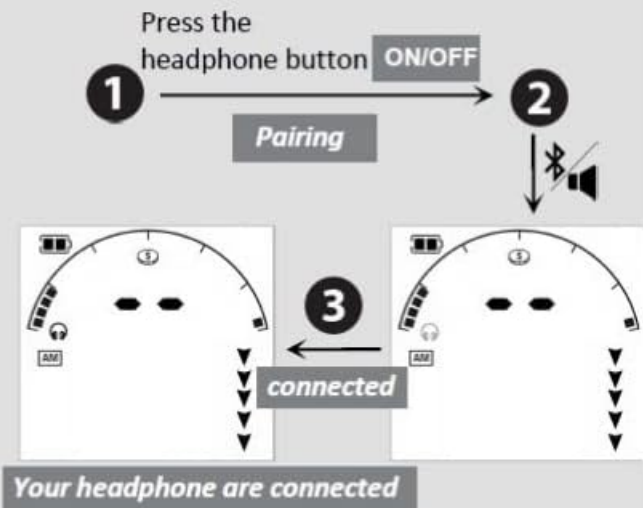
Image: The VIHELM T90 GoldHunter Metal Detector, fully assembled, showcasing its design and key features like the large search coil and control unit.

## Main Components

## Connecting Bluetooth Headphones


When you need to wear a headphone for detecting:

- 1** Push the headphone switch on button **ON/OFF**, You will heard the voice play:  
**Power on. Pairing. Your headphones are connected**
- 2** Press the headphone/speaker button  The headset icon keep flashing.
- 3** When the headphone icon stops flashing and it appears on the screen steadily, indicating that the Bluetooth headphone is connected to the detector, and you will hear the headphone voice playback.



## Disconnect the Bluetooth headphone

If you need to disconnect the Bluetooth headset,

- 1** Press the headphone/speaker button 
- 2** You will heard the voice play:  
**Your headphones are disconnected**
- 3** Push the headphone switch on button **ON/OFF** Switch off the headphone.

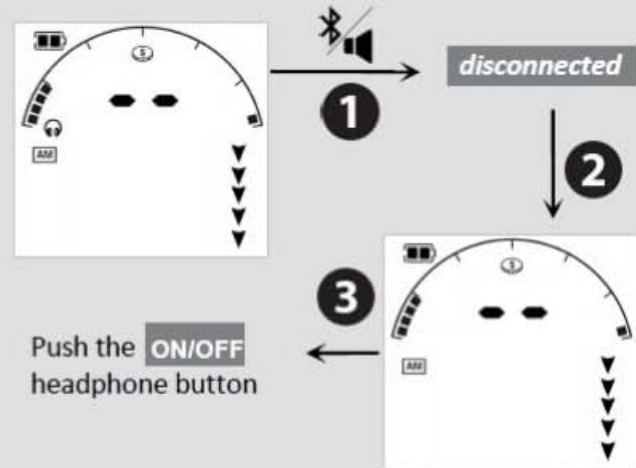


Image: An exploded view illustrating the main components of the T90 detector, including the Armrest, Control Unit, Handle, Retractable Rod, Fixing Buckle, and 12-inch Search Coil.

- **Control Unit:** Houses the display, control buttons, and electronics.
- **Armrest:** Provides comfort and stability during operation.
- **Handle:** Ergonomic grip for holding the detector.
- **Retractable Rod:** Allows for adjustable length and compact storage.
- **Fixing Buckle:** Secures the rod sections in place.
- **Search Coil (12-inch Double-D):** The primary detection component, waterproof for underwater use.

## SETUP

### 1. Assembly

Assemble the detector by connecting the search coil to the retractable rod, then attach the rod to the control unit and armrest. Ensure all fixing buckles are securely fastened.

### 2. Power Supply

The T90 GoldHunter requires four (4) 1.5V AA batteries (alkaline, carbon, lithium, NiMH, or NiCad). These are not included in the package.

1. Locate the battery compartment on the control unit.
2. Open the compartment and insert the 4 AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely to maintain waterproofing.

## OPERATING INSTRUCTIONS

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### Control Panel Overview



Image: A detailed diagram of the T90 control panel, showing the LCD, buttons, and their respective functions and display indicators.

- **Power Button:** Turns the detector On/Off.
- **Pinpoint/Detect Button:**
  - **Pinpoint:** Assists in locating the exact position of a buried object.
  - **Detect:** Exits menu settings and returns to detection.
- **Mode Button:**
  - Toggles between Coin & Treasure Mode and Prospecting Mode.
  - Activates Target ID Stabilizer.
  - Selects the automatic option for Ground Balance.
- **All Metal Button:** Toggles between the search coil discrimination pattern and the All Metal pattern.
- **Minus (-) Button:** Adjusts settings, reduces Iron Mask, and scrolls left through discrimination segments.
- **Battery Button:** Scrolls through the different Discrimination Patterns (Coin & Treasure Mode only).
- **Headphone & Speaker Button:** Activates/deactivates Bluetooth Headphone & Speaker.
- **Menu/Select Button:** Enters the Menu. Accesses and scrolls through the detecting settings.
- **Plus (+) Button:** Adjusts settings, increases Iron Mask, and scrolls right through discrimination segments.
- **Ground Balance Button:** Activates the Ground Balance adjustment to compensate for different types of soil.

- **Backlight Button:** Turns the Backlight On/Off. Provides greater visibility in dim conditions.
- **Accept/Reject Button:** Accepts or rejects certain metals by turning on/off individual discrimination segments (Coin & Treasure).
- **Tracking Button:** Toggles between manual auto Ground Balance and Tracking Ground Balance.

## Connecting Bluetooth Headphones

To connect your wireless headphones for detection:

Features:

1. Numeric/sound/cursor distinguishes metal: different metals display different values, different sounds, and different cursors, thus reducing unnecessary digging.
  2. Intelligent backlight: It can turn on/off the backlight at any time according to its own environment. At night, the dark environment can be applied at the same time.
  3. Automatic balance function: The instrument has automatic balance, and the complex environment is not screaming.
  4. Precise positioning: Just press the positioning button easily, you don't need to press the same long as other metal detectors.
  5. Waterproof probe: All the LCD screens are waterproof and can be used under 1.3 meters deep.
  6. Strong upgrade to high pressure, stable anti-interference.
- FAST: With its Extremely fast recovery speed you'll find Good targets next to trash.  
 POWERFUL: Has two precise modes: automatic mode and sizing mode.

BIG COIL: 12" Search DOUBLE-D Coil

Lightweight S-Telescopic system

Specifications:

Model: Gold Hunter T90

Waterproof: Whole body waterproof

Working temperature: -10~+65 °C

Display mode: sound + display mode

Coil: 18.75 KHZ waterproof coil

LCD Display Size: 59\*53MM

Light source: Backlight

Detection Mode: Coin and treasure mode, Prospecting mode.

T90 Whole Set Net weight: 1.25kg (not including battery, wireless headphone)

Package information:

Package size: 63\*35\*13CM

Package weight: 2.8KG

Exclusive color box + Hard Box

Package Included:

1 x Metal detector (not included charger and battery)

1 x Wireless Headphone

1 x 12" Double-D Waterproof Coil

1 x User Manual

Please note: The T90 metal detector use 4 AA battery

Image: Step-by-step visual guide for pairing and unpairing Bluetooth headphones with the T90 detector, showing button presses and screen indicators.

1. Push the headphone switch to ON/OFF. You will hear the voice prompt: "Power on. Pairing. Your headphones are connected."
2. Press the headphone/speaker button on the detector. The headset icon will flash.
3. When the headphone icon stops flashing and appears steadily on the screen, the Bluetooth headphone is connected to the detector, and you will hear voice playback.

## Disconnecting Bluetooth Headphones

To disconnect your Bluetooth headset:

1. Press the headphone/speaker button on the detector.

2. You will hear the voice prompt: "Your headphones are disconnected."
3. Push the headphone switch to ON/OFF to switch off the headphone.

## Key Features and Functions

- **Numeric/Sound/Cursor Discrimination:** Different metals display different values, different sounds, and different cursors, aiding in distinguishing targets and reducing unnecessary digging.
- **Intelligent Backlight:** The backlight can be turned on/off at any time, adapting to ambient light conditions. It provides visibility in dim environments and glows during startup.
- **Automatic Balance Function:** The instrument features automatic ground balance, making it suitable for complex environments.
- **Precise Positioning (Pinpoint):** Easily press the positioning button for accurate target location.
- **Strong Waterproof Probe:** The search coil is waterproof and can be used up to 1.3 meters deep. It offers high pressure resistance and stable anti-interference.
- **Fast Recovery Speed:** Quickly identifies good targets even when next to trash.
- **Powerful Modes:** Includes automatic mode and sizing mode for versatile detection.
- **BIG COIL:** Equipped with a 12" Double-D coil for enhanced detection depth and coverage.
- **Lightweight S-Telescopic System:** For comfortable handling and adjustable length.

## MAINTENANCE

- After each use, wipe down the detector with a damp cloth to remove dirt and debris.
- For waterproof components, ensure they are clean and dry before storage.
- Store the detector in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries if the detector will not be used for an extended period to prevent leakage.
- Regularly check all connections and fasteners for tightness.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector does not power on.	Dead or incorrectly inserted batteries.	Replace batteries with fresh ones, ensuring correct polarity.
Erratic signals or false readings.	High ground mineralization, electromagnetic interference, or incorrect settings.	Perform ground balance, reduce sensitivity, or move away from power lines/other electronics.
No sound from headphones.	Headphones not connected, low headphone battery, or volume too low.	Ensure headphones are paired (see "Connecting Bluetooth Headphones"), charge/replace headphone batteries, increase volume.

Problem	Possible Cause	Solution
Poor detection depth.	Low sensitivity setting, highly mineralized ground, or small target size.	Increase sensitivity, perform ground balance, or sweep slower.

## SPECIFICATIONS

- **Model:** Gold Hunter T90
- **Waterproof:** Whole body waterproof
- **Working Temperature:** -10°C to +65°C
- **Display Mode:** Sound + Display mode
- **Coil:** 18.75 KHz waterproof Double-D coil (12-inch)
- **LCD Display Size:** 59mm x 53mm
- **Light Source:** Backlight
- **Detection Modes:** Coin and Treasure mode, Prospecting mode
- **Net Weight (excluding battery, wireless headphone):** 1.25 kg (approx. 2.76 lbs)
- **Item Weight (overall):** 5 Pounds (approx. 2.27 kg)
- **Power Source:** Battery Powered (4 x 1.5V AA, not included)
- **Adjustable Length:** Yes
- **Material:** Gold *(Note: This specification likely refers to the type of metal the detector is optimized to find, not the detector's construction material.)*

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Specific warranty terms may vary by region and retailer.