

## LOLARAN TX-910

# LOLARAN Metal Detector TX-910 User Manual

Model: TX-910

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## 1. SAFETY INFORMATION

Before operating your LOLARAN TX-910 Metal Detector, please read and understand all safety instructions. Failure to do so may result in injury or damage to the device.

- **Avoid Hazardous Areas:** Do not use the metal detector near underground power lines, gas pipes, or other buried utilities. Always check local regulations and obtain necessary permissions before detecting.
- **Water Safety:** The search coil is waterproof, but the control panel is not. Do not submerge the control panel in water.
- **Battery Handling:** Use only the specified battery type (two 9V batteries). Ensure correct polarity when inserting batteries. Remove batteries if the device will not be used for an extended period.
- **Children's Use:** While suitable for children, adult supervision is recommended during operation, especially when digging.
- **Environmental Considerations:** Dispose of batteries and electronic components responsibly according to local regulations.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- LOLARAN TX-910 Metal Detector Unit (Control Panel, Adjustable Stem, Search Coil)
- Armrest
- Two 9V Batteries
- Folding Shovel (may vary by package)
- User Manual

### 3. PRODUCT OVERVIEW

The LOLARAN TX-910 Metal Detector is designed for both adults and children, offering advanced features for efficient metal detection. It incorporates an upgraded DSP chip for high accuracy and strong anti-interference capabilities.

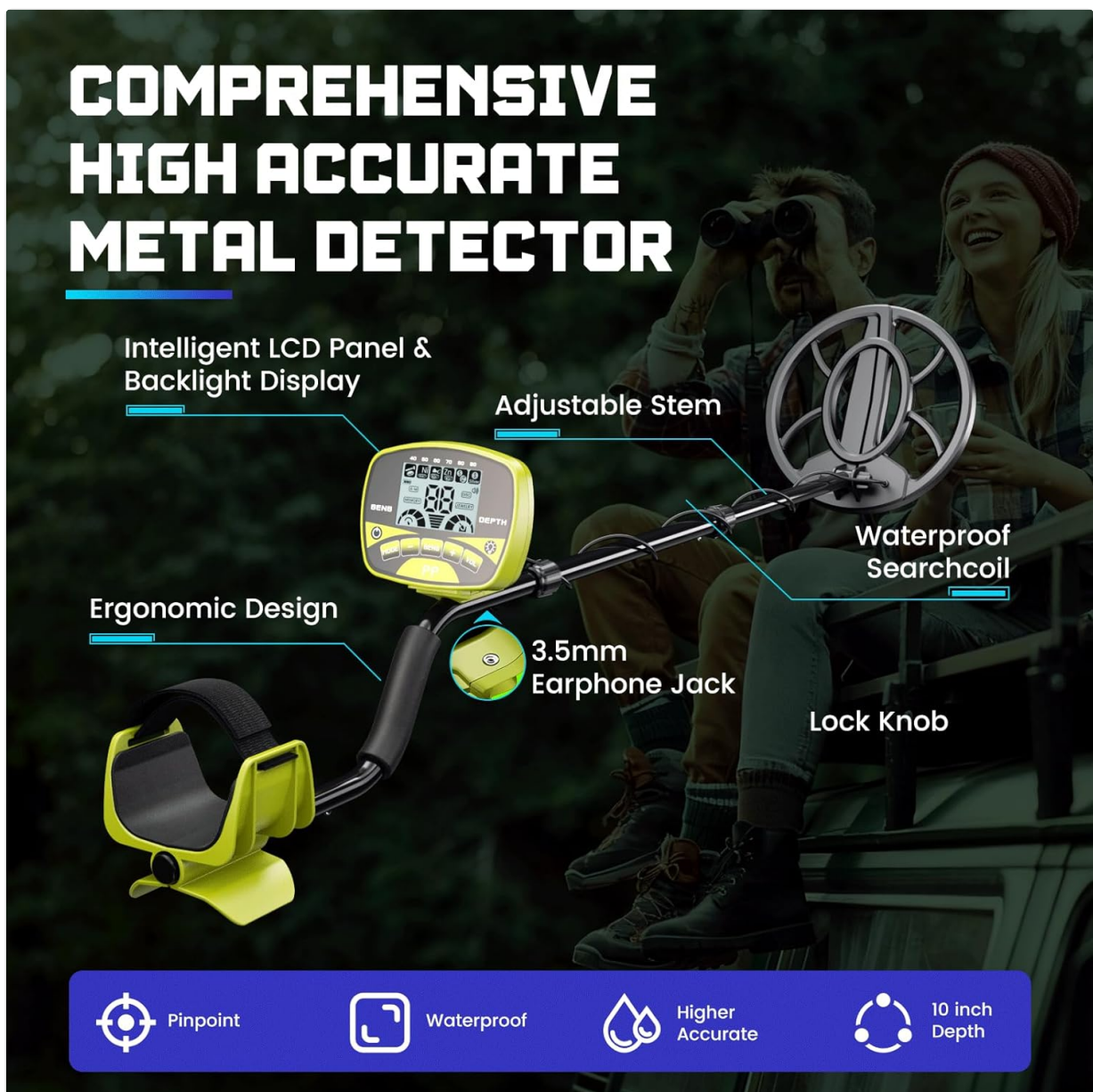


Image: Overview of the LOLARAN TX-910 Metal Detector, highlighting its intelligent LCD panel, adjustable stem, waterproof search coil, ergonomic design, 3.5mm earphone jack, and lock knob.

### Key Features:

- **High Accuracy:** Equipped with an upgraded DSP chip, capable of detecting targets up to 10 inches deep with strong anti-interference.
- **Backlight LCD Display:** Provides clear information on target type, depth, and operating mode, even in low-light conditions.
- **Adjustable Length:** The stem can be adjusted from 25.5 inches to 52 inches, making it suitable for users of various heights.
- **10" Waterproof Search Coil:** Allows for detection in shallow water, such as beaches and streams.
- **5 Detection Modes:** Offers versatile detection options for different types of metals and environments.
- **Ergonomic Design:** Lightweight and comfortable for extended use.



Image: Illustration showing the metal detector's capability to detect various objects like coins, rings, and watches up to 10 inches deep in the ground.



Image: The 10-inch waterproof search coil of the metal detector partially submerged in a river, demonstrating its water-resistant capability for detecting in shallow water.

## 4. ASSEMBLY

The LOLARAN TX-910 Metal Detector is designed for easy assembly. Follow these general steps:

1. **Attach the Search Coil:** Connect the search coil to the lower stem using the provided bolt and nut. Ensure it is securely fastened but not overtightened.
2. **Connect the Stems:** Slide the lower stem into the middle stem, and then the middle stem into the upper stem (which includes the control panel and armrest). Adjust the length to your preference and secure with the lock knob.
3. **Install Batteries:** Open the battery compartment on the control panel and insert two 9V batteries, observing the correct polarity (+/-). Close the compartment securely.
4. **Route the Cable:** Wrap the search coil cable neatly around the stem, ensuring it is not pinched or strained, and plug the connector into the port on the control panel.
5. **Adjust Armrest:** Position the armrest for comfortable use.

## 5. OPERATION

Familiarize yourself with the control panel and its functions for optimal performance.



Image: Detailed view of the LOLARAN TX-910 control panel, labeling the Power Key (ON/OFF), Mode Key, Sens Key, P-P Key, (+/-) Keys, Vol Key, and Backlight Key.

### Control Panel Functions:

- **Power Key (ON/OFF):** Press to turn the detector on or off.
- **Mode Key:** Cycles through the 5 detection modes (All Metal, Disc, Memory, Jewelry, PP).
- **Sens Key:** Adjusts the sensitivity level of the detector. Higher sensitivity increases detection depth but may also increase interference.
- **Vol Key:** Adjusts the volume of the audio alerts.
- **(+/-) Keys:** Used to adjust values within specific modes, such as discrimination levels in Disc Mode or sensitivity.
- **P-P Key (Pinpoint):** Activates the pinpoint mode to accurately locate the exact position of a detected

target.

- **Backlight Key:** Toggles the LCD backlight on or off.

## Getting Started:

1. Turn on the detector by pressing the Power Key.
2. Select your desired detection mode using the Mode Key. The default mode upon startup is All Metal.
3. Adjust the sensitivity (Sens Key) and volume (Vol Key) to a comfortable level. Start with a moderate sensitivity and increase if needed, observing for false signals.
4. Begin sweeping the search coil slowly and steadily over the ground, keeping it parallel to the surface and about 1/2 inch above it.
5. When a target is detected, the LCD display will show information about the potential metal type and depth.
6. Use the P-P (Pinpoint) mode to narrow down the exact location of the target before digging.

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## 6. DETECTION MODES

The LOLARAN TX-910 offers five distinct detection modes to optimize your treasure hunting experience:

# 5 DETECTION MODES

**All Metal Mode:** Respond to all metal



**JEWELRY Mode:** Eliminate iron, perfect for finding jewelry



**MEMORY Mode:** Remember your preferred metal



**DISC Mode:** Ignore unwanted targets



**PP Mode:** Locate the target accurately



Image: Visual representation of the five detection modes: All Metal, Jewelry, Memory, Disc, and PP (Pinpoint), with icons indicating their primary function.

- **All Metal Mode:** Detects all types of metal without discrimination. This mode offers the highest sensitivity and is ideal for general searches to ensure no target is missed.
- **Disc Mode (Discrimination):** Allows you to eliminate unwanted metals by setting specific values (0-99) using the (+/-) keys. The detector will ignore metals below the set value, focusing on more desirable targets.
- **Memory Mode:** This mode allows you to store and remember a specific type of metal you are looking for. The detector will then only respond to that remembered metal type.
- **Jewelry Mode:** Specifically designed to eliminate iron signals. In this mode, the detector will not respond to iron but will alert you to other metals commonly found in jewelry.
- **PP Mode (Pinpoint):** Used after a target has been detected. Pressing the P-P button narrows down the signal to help you accurately locate the exact position and depth of the item, minimizing digging effort.

## 7. TIPS FOR BEST RESULTS

Maximize your metal detecting success with these operational guidelines:

- **Outdoor Use:** For optimal performance, use the detector outdoors. Indoor environments often have too many interferences (e.g., electrical wiring, metal in walls/floors) that can affect accuracy.
- **Sensitivity Adjustment:** In areas with high electromagnetic interference, reduce the sensitivity to minimize false signals. Increase sensitivity in clear areas for deeper detection.
- **Proper Search Coil Movement:** Move the search coil at a consistent, slow speed. Keep the search coil parallel to the ground and approximately 1/2 inch from the surface. Avoid swinging it like a pendulum, as this can lead to missed targets or inaccurate readings.



Image: Illustration demonstrating the correct method for sweeping the metal detector's search coil (keeping it parallel and close to the ground) versus incorrect methods (swinging like a pendulum or lifting).

- **Depth Indication:** The depth indication on the display is most accurate for coin-sized objects. Larger or irregularly shaped objects may result in less precise depth readings.
- **Consistent Signals:** Valuable metal objects typically produce consistent signals. If a signal is inconsistent or erratic, it is likely a false signal or junk metal.
- **Power Saving:** To conserve battery life, the backlight will automatically turn off after approximately 10 minutes of inactivity. The machine will also automatically power off after about 15 minutes in standby mode.

- **Pinpoint Mode Troubleshooting:** If the pinpoint mode malfunctions and sends a signal without being near metal, lift the detector into the air and press the P-P button once to recalibrate it.

## 8. MAINTENANCE

Proper care and maintenance will extend the life of your metal detector:

- **Cleaning:** Wipe down the detector with a damp cloth after each use, especially the search coil if used in wet or dirty conditions. Do not use abrasive cleaners or solvents.
- **Storage:** Store the detector in a dry, cool place away from direct sunlight and extreme temperatures. Remove batteries if storing for long periods to prevent leakage.
- **Cable Care:** Ensure the search coil cable is not kinked, cut, or damaged. Avoid pulling on the cable when disconnecting.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the LCD. Always use fresh, high-quality 9V batteries.

## 9. TROUBLESHOOTING

If you encounter issues with your LOLARAN TX-910 Metal Detector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Detector does not turn on	Dead or incorrectly installed batteries	Check battery polarity. Replace with fresh 9V batteries.
False signals / Erratic beeping	High sensitivity in an interfering environment; Electromagnetic interference; Nearby metal objects (e.g., fences, power lines)	Reduce sensitivity. Move to a different location away from known interference sources. Ensure proper search coil movement.
Pinpoint mode malfunction (constant signal)	Calibration issue	Lift the detector into the air, away from any metal, and press the P-P button once to recalibrate.
Inaccurate depth readings	Target size/shape; Improper sweep technique	Depth indication is most accurate for coin-sized objects. Ensure consistent, parallel sweeps.
Detector not responding to certain metals	Incorrect detection mode selected; Discrimination settings too high	Switch to 'All Metal' mode to detect all metals. Adjust 'Disc' mode settings or try 'Jewelry' mode if applicable.

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## 10. SPECIFICATIONS

- **Brand:** LOLARAN
- **Model Number:** TX-910
- **Color:** Yellow
- **Material:** Plastic
- **Power Source:** Battery Powered
- **Batteries Required:** Yes (2 x 9V batteries included)
- **Adjustable Length:** Yes (25.5" - 52")
- **Display Type:** LCD with Backlight
- **Search Coil:** 10" Waterproof
- **Max Detection Depth:** Up to 10 inches (for coin-sized objects)
- **Recommended Uses:** Metal Detection

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## 11. WARRANTY AND SUPPORT

LOLARAN is committed to providing high-quality products. For specific warranty details, please refer to the warranty card included with your purchase or contact LOLARAN customer support directly.

If you have any questions, require technical assistance, or need to report an issue, please contact our customer support team:

- **Website:** Visit the official LOLARAN website for support resources.
- **Email:** Refer to your product packaging or warranty card for customer service email.
- **Phone:** Refer to your product packaging or warranty card for customer service phone number.

Please have your model number (TX-910) and purchase information ready when contacting support.