



HW-710

# HW-710 Multifunctional Handheld Metal & Wall Detector User Manual

Model: HW-710 | Brand: Generic

## INTRODUCTION

---

The HW-710 Multifunctional Handheld Metal & Wall Detector is a versatile tool designed to accurately locate hidden metal, wood studs, and live AC wires behind walls, floors, and ceilings. This device is essential for safely performing tasks such as hanging pictures, mounting TVs, installing cabinets, and other home renovation projects, helping to prevent damage to hidden utilities.



Image: The HW-710 Multifunctional Handheld Metal & Wall Detector shown with its retail packaging and included gloves.

## SETUP

---

### 1. Battery Installation

The HW-710 detector is powered by batteries. Locate the battery compartment on the back of the unit. Open the compartment cover and insert the required batteries, ensuring correct polarity (+/-). Close the compartment cover securely. It is recommended to use fresh, high-quality batteries for optimal performance.

### 2. Initial Power On

Press the **Scan Button** (usually marked with a power symbol or 'O') to turn on the device. The LCD display will illuminate, and the device will perform a brief self-calibration. Ensure the device is held away from any objects or surfaces during calibration for accurate results.

## OPERATING INSTRUCTIONS

---

The HW-710 offers multiple scanning modes for different materials. Familiarize yourself with the device's display and buttons:

# FUNCTION INTRODUCTION



Image: Detailed diagram illustrating the functions of the HW-710's display and buttons, including scan modes, indicators, and battery compartment location.

## Scanning Modes:

- **Stud Scan Mode:** Detects the edges and center of wood and metal studs. Press the **Stud mode Button** to activate. The display will show indicators for 1/2 inch, 1 inch, and 1 1/2 inch scan depths.
- **Metal Scan Mode:** Locates various metal objects such as pipes, rebar, and metal studs. Press the **Metal mode Button** to activate. The display will show metal depth indication and a metal mode indicator.
- **AC Scan Mode:** Identifies live AC electrical wiring. Press the **AC mode Button** to activate. An AC warning icon will appear on the display if live wires are detected.

## General Scanning Procedure:

1. **Select Mode:** Choose the appropriate scanning mode (Stud, Metal, or AC) by pressing the corresponding button.
2. **Place and Calibrate:** Place the detector flat against the wall surface where you intend to scan. Press and hold the **Scan Button**. The device will calibrate. Keep it still until calibration is complete.
3. **Scan:** While holding the Scan Button, slowly slide the detector horizontally across the surface. Maintain firm contact with the wall.
4. **Interpret Readings:**

- **Signal Bar:** As the detector approaches an object, the signal bars on the display will increase.
  - **Center Indication:** When the device is directly over the center of a stud or object, the "CENTER" indicator will appear, often accompanied by an audible beep.
  - **Arrow Direction:** Arrows on the display will guide you towards the object's location.
  - **AC Warning:** The AC warning icon will flash if live AC wires are detected in any mode.
5. **Marking:** Use the mark pointing feature (top of the device) to accurately mark the detected location on the wall.



Image: Illustration demonstrating how the HW-710 indicates both the edge and the center of a stud for precise marking.

### Safety Precautions:

Always exercise caution when drilling or cutting into walls. The HW-710 is designed to assist in locating hidden objects, but it is not a substitute for professional judgment. Always turn off power to the area you are working on if you suspect live wiring. The device indicates live AC wires in all modes to help prevent serious mishaps.



## **No Fear** of Drilling into a Live Wire

Indicates the live AC Wire in all modes  
to avoid potentially serious mishaps

Image: A user operating the HW-710 detector, illustrating its ability to detect live wires and prevent accidental drilling into them.



Image: Visual representation of the HW-710's multi-purpose detection capabilities, including stud centers, joists, stud edges, metal pipes/rebar, wooden beams, and AC wires.

## MAINTENANCE

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no moisture enters the device.
- **Storage:** Store the detector in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent leakage.
- **Battery Care:** Replace batteries when the low battery icon appears on the display to ensure accurate readings. Dispose of used batteries responsibly according to local regulations.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity; replace with fresh batteries.
Inaccurate readings or inconsistent detection.	Improper calibration. Scanning too fast. Low battery. Excessive moisture on wall surface.	Recalibrate the device by lifting it off the wall and pressing the scan button again. Scan slowly and steadily. Replace batteries. Ensure wall surface is dry.
Device constantly beeps or shows false positives.	Interference from other objects or materials.	Ensure proper calibration away from objects. Try scanning in a different spot to confirm readings.

## SPECIFICATIONS

---

<b>Model:</b>	HW-710
<b>Brand:</b>	Generic
<b>Color:</b>	Red
<b>Power Source:</b>	Battery Powered
<b>Product Dimensions (L x W x H):</b>	15cm x 6.7cm x 3cm (5.9in x 2.6in x 1.2in)
<b>Item Weight:</b>	Approx. 100g (0.22 pounds)
<b>Detection Capabilities:</b>	Wood Studs, Metal (pipes, rebar), Live AC Wires
<b>Display:</b>	LCD with visual and audible alerts

# PRODUCT SIZE



Image: Diagram showing the physical dimensions of the HW-710 detector: 15cm (5.9in) length, 6.7cm (2.6in) width, and 3cm (1.2in) thickness.

*Note: Product dimensions and weight are based on the detailed description and product image. Values may vary slightly.*

## WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation provided with your purchase or contact the seller directly. As this product is from a generic brand, specific warranty terms may vary. It is advisable to retain your proof of purchase for any warranty claims.

For further assistance, you may also visit the product page on the retailer's website or contact their customer service.