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> LiebeWH HW-QB6 5-in-1 Wall Scanner Detector User Manual

## LiebeWH HW-QB6

# LiebeWH HW-QB6 5-in-1 Wall Scanner Detector

User Instruction Manual

## 1. INTRODUCTION

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The LiebeWH HW-QB6 is a versatile 5-in-1 wall scanner detector designed to accurately locate wood studs, metal objects (rebar, pipes, conduit), and live AC wires behind walls, floors, and ceilings. This device is an essential tool for home renovation projects, installation tasks, and general DIY work, providing critical information to prevent damage and ensure safety.

This manual provides detailed instructions for the safe and effective operation, maintenance, and troubleshooting of your LiebeWH HW-QB6 wall scanner.





Figure 1: Front view of the LiebeWH HW-QB6 Wall Scanner Detector, showing the LCD display and control buttons.

## 2. SAFETY INFORMATION

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**WARNING: Read all safety warnings and instructions before using this device. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Always assume live electrical wires are present behind walls. Exercise extreme caution when drilling or cutting.
- Do not rely solely on the detector to locate live AC wires. Always turn off power to the area you are working on at the circuit breaker before drilling or cutting.
- This device is intended for detecting objects behind common wall materials such as drywall, plywood, and concrete. Performance may vary with different materials or wall thicknesses.
- Keep the device dry and clean. Do not expose it to moisture or extreme temperatures.
- Do not attempt to open or modify the device. There are no user-serviceable parts inside.

- Dispose of batteries responsibly according to local regulations.

### 3. PRODUCT COMPONENTS

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The LiebeWH HW-QB6 wall scanner features an ergonomic design for comfortable handling and a clear LCD display for easy interpretation of results.





Figure 2: Close-up of the LCD display and control buttons, including Power, Mode Selection, and AC detection.

### Key Features:

- **LCD Display:** Provides visual indications for detection mode, signal strength, battery level, and center indication.
- **Power Button:** Turns the device ON/OFF.
- **Mode Selection Button:** Cycles through different detection modes (Wood, Metal, AC).
- **Ergonomic Handle:** Designed for comfortable and secure grip during use.
- **Sensor Area:** Located on the back of the device, this area must be flat against the wall for accurate scanning.

## 4. SETUP

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### 4.1 Battery Installation

1. Locate the battery compartment cover on the back of the device.
2. Slide or unclip the cover to open the compartment.
3. Insert one 9V (6F22) battery, ensuring the polarity (+/-) matches the diagram inside the compartment.
4. Close the battery compartment cover securely.



Figure 3: Open battery compartment for 9V (6F22) battery installation.

## 4.2 Initial Calibration

For accurate results, the device must be calibrated before each use or when changing scanning locations.

1. Press the Power button to turn on the device.
2. Place the device flat against the wall surface where you intend to scan, ensuring there are no known studs, metal, or wires in that specific spot.
3. Press and hold the Mode Selection button (or the dedicated calibration button if present, refer to display for indication) until the calibration process is complete (usually indicated by a beep or a stable display reading).
4. The device is now calibrated and ready for use.

## 5. OPERATING INSTRUCTIONS

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The LiebeWH HW-QB6 offers multiple detection modes for various materials. Select the appropriate mode for your task.

### 5.1 Selecting a Detection Mode

Press the Mode Selection button to cycle through the available modes. The selected mode will be indicated on the LCD display.

- **Wood Stud Scan:** For locating wood studs and joists.
- **Metal Scan:** For detecting metal objects such as rebar, pipes, and metal conduit.
- **AC Wire Scan:** For identifying live unshielded AC electrical wires.

## 5.2 Scanning Procedure

1. Ensure the device is calibrated as described in Section 4.2.
2. Place the device flat against the wall surface.
3. Slowly slide the device horizontally across the surface. Maintain constant contact with the wall.
4. Observe the LCD display for indications of detected objects.
5. When an object is detected, the signal strength indicator will increase, and an audible alert may sound. The "CENTER" indicator will illuminate when the device is directly over the center of the object.
6. Mark the edges and center of the detected object for accurate positioning.



Figure 4: Close-up of the LCD display showing a detected object with center indication and signal strength.

## 5.3 Interpreting the LCD Display

- **Signal Strength Bars:** Indicate proximity to a detected object. More bars mean closer proximity.
- **CENTER Indicator:** Appears when the device is directly over the center of a stud or object.
- **Mode Icon:** Displays the currently selected detection mode (e.g., wood icon, metal icon, AC lightning bolt icon).
- **Battery Indicator:** Shows the current battery level. Replace batteries when low.
- **Depth Indication (if applicable):** Some models may show an approximate depth. Refer to the specific icons on your display.

## 6. MAINTENANCE

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- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the battery to prevent leakage.
- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears on the LCD display.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Device does not turn on.	Dead or incorrectly installed battery.	Check battery polarity. Replace with a new 9V battery.
Inaccurate or inconsistent readings.	Improper calibration; device not flat against wall; wall material too thick/dense; presence of moisture.	Recalibrate the device. Ensure constant, flat contact. Test on a different wall section. Avoid scanning wet areas.
AC wire detection is inconsistent.	Wires are shielded; wires are too deep; low battery.	AC detection works best for unshielded, live wires. Ensure battery is fresh. Scan slowly.
No detection in Wood/Metal mode.	No objects present; object too deep; incorrect mode selected.	Ensure correct mode is selected. Scan slowly and thoroughly. Consider wall thickness limitations.

## 8. SPECIFICATIONS

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- **Model:** HW-QB6
- **Detection Modes:** Wood, Metal, AC Wire
- **Power Source:** 1 x 9V (6F22) Battery (not included)
- **Product Dimensions:** Approximately 19L x 8W x 5H Centimetres
- **Weight:** Approximately 205 g (without battery)
- **Operating Temperature:** 0°C to 40°C (32°F to 104°F)
- **Storage Temperature:** -10°C to 50°C (14°F to 122°F)

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact LiebeWH customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, please visit the official LiebeWH website or contact their support channels.