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## Zunate Zunateievcrhuyn1

# Zunate 5-in-1 Wall Scanner User Manual

Model: Zunateievcrhuyn1

Overview Setup Operation Maintenance Troubleshooting Specifications Support

## 1. Product Overview

The Zunate 5-in-1 Wall Scanner is a versatile and essential tool for any DIY enthusiast or professional. It is designed to accurately detect studs, metal, wood, and live AC wires hidden behind walls, floors, and ceilings. Its high-precision sensors and clear LCD display ensure reliable and easy-to-understand results, enhancing safety and efficiency during construction, renovation, or simple home improvement tasks.

### Key Features:

- **Multifunctional:** This wall detector integrates cable, metal, wood, and stud measurements. One unit is multi-purpose, eliminating the need to purchase multiple detectors separately.
- **High-Precision Measurement:** Adopting high-precision sensors and algorithms, detection results are accurate and reliable. Whether detecting metal, wood, wire, or stud locations in the wall, you can detect them precisely.
- **Easy to Use:** Take measurements quickly with just one button. It is also equipped with a clear LCD screen so that each measurement result can be seen at a glance.
- **Safe and Reliable:** The detector can accurately locate cables and metals in the wall, preventing electrocution or wall damage when drilling holes or installing items.
- **Lightweight and Portable:** This wall detector is compact and lightweight, suitable for transport and use in various wall construction environments to increase work efficiency.






*Figure 1: Front view of the Zunate 5-in-1 Wall Scanner, showing its LCD display and control buttons.*

## 2. Setup

### 2.1. Battery Installation

The Zunate 5-in-1 Wall Scanner requires batteries for operation, which are not included in the package. Please follow these steps to install the batteries:

1. Locate the battery compartment on the back of the device.
2. Open the battery compartment cover.
3. Insert the required batteries (typically 9V, check device markings for exact type) ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

***Note:*** *Always use fresh batteries for optimal performance and accurate readings. Remove batteries if the device will not be used for an extended period.*




*Figure 2: Detailed diagram illustrating the various indicators on the LCD display and the function of each button on the Zunate Wall Scanner. This includes battery level, signal strength, scan modes, depth indication, and AC warning.*

## 3. Operation

The Zunate 5-in-1 Wall Scanner is designed for intuitive use. Familiarize yourself with the device's buttons and LCD display indicators (refer to Figure 2) before beginning any scanning task.

### 3.1. Powering On and Mode Selection

Press the **On/Off** button to power on the device. The LCD screen will illuminate. Use the dedicated mode buttons (Stud, Metal, AC) to select the appropriate scanning mode for your task.

### 3.2. Scanning Modes and Depth Capabilities

The scanner features five distinct scanning modes, each optimized for different materials and depths:

- **Stud Mode (½ inch):** Detects studs up to 13 mm (½ inch) deep.
- **Stud Mode (1 inch):** Detects studs up to 25 mm (1 inch) deep.
- **Stud Mode (1½ inch):** Detects studs up to 38 mm (1½ inch) deep.
- **Metal Mode:** Detects metal objects (e.g., pipes, rebar) up to 80 mm (3.2 inches) deep.
- **AC Mode:** Detects live AC wires up to 51 mm (2 inches) deep.




*Figure 3: Illustration detailing the five distinct scanning modes of the Zunate Wall Scanner, along with their respective maximum detection depths for studs, metal, and AC wires.*

### 3.3. Performing a Scan

1. **Calibration:** Before scanning, place the device flat against the wall where you intend to start scanning. Press and hold the Scan button until calibration is complete (usually indicated by a beep or a stable reading on the LCD).
2. **Scanning:** While holding the Scan button, slowly slide the device horizontally across the surface. Keep the device flat against the wall.
3. **Detection:** As the scanner approaches a hidden object, the signal bar on the LCD will increase, and an arrow will indicate the direction of the object. The "CENTER" indicator will appear when the device is directly over the center of the object.
4. **Marking:** Once the center is located, mark the spot on the wall.




*Figure 4: Visual representation of the scanner's accurate positioning capability, showing how the device guides the user to the center of a hidden object, improving work efficiency.*

### 3.4. AC Wire Detection (Safety Precaution)

When operating in AC mode, or if live AC wires are detected in other modes, the device will display an AC warning icon and may emit an audible alert. This feature is crucial for preventing accidental contact with live electrical wiring.




*Figure 5: A user demonstrating the Zunate Wall Scanner's ability to detect live wires, providing a crucial safety warning before drilling into a wall.*

***Warning:*** *Always exercise extreme caution when working near electrical outlets or suspected wiring. The AC detection feature is a helpful guide but should not replace professional electrical safety practices.*

### 3.5. Multi-Purpose Detection

The scanner is capable of identifying various hidden elements, including:

- Stud Centers
- Joists
- Stud Edges
- Metal Pipes/Rebar
- Wooden Beams
- AC Wires




*Figure 6: Visual representation of the Zunate Wall Scanner's multi-purpose detection, showing its ability to identify various hidden elements like wood, electrical cables, metal pipes, and rebar.*

## 4. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the scanner in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** Remove batteries if the device is not used for extended periods to prevent leakage and damage.
- **Avoid Drops:** Protect the device from impacts and drops, as this can affect its calibration and accuracy.

## 5. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Device does not power on. | Low or dead batteries; incorrect battery installation. | Replace batteries with fresh ones; ensure correct polarity. |

| Problem | Possible Cause | Solution |
|---|---|---|
| Inaccurate readings or inconsistent detection. | Improper calibration; scanning too fast; presence of moisture in wall. | Recalibrate the device on a clear section of the wall; scan slowly and steadily; ensure wall surface is dry. |
| AC warning always on or flickering. | High concentration of electrical wiring; interference from other devices. | Move away from known electrical sources; try scanning in a different area. If persistent, consult an electrician. |
| No detection in a specific mode. | Incorrect mode selected for the target material; object too deep. | Ensure the correct mode is selected (e.g., Metal mode for metal); check the maximum detection depth for the selected mode. |

## 6. Specifications

| Feature | Detail |
|---|---|
| Manufacturer | Zunate |
| Part Number | Zunateievcrhuyn1 |
| Model | Zunateievcrhuyn1 |
| Batteries Included? | No |
| Battery Operated? | Yes (requires external batteries) |
| Package Dimensions | 20 x 9 x 4 cm (7.87 x 3.54 x 1.57 inches) |
| Item Weight | 202 g (7.13 oz) |
| ASIN | B0DKP52187 |
| Available for purchase since | October 23, 2024 |




*Figure 7: Dimensions of the Zunate 5-in-1 Wall Scanner, showing its compact and portable size.*

## 7. Warranty and Support

For warranty information, technical support, or any inquiries regarding your Zunate 5-in-1 Wall Scanner, please refer to the contact information provided with your purchase or visit the official Zunate website. Keep your purchase receipt as proof of purchase for warranty claims.

While specific warranty details are not provided in this manual, Zunate typically offers support for their products. Please reach out to their customer service for assistance with any operational issues or defects.

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