

Electronic Stud Finder

This kit contains:

Description	Qty
Stud Finder	1
Preinstalled 9V Battery	1
Instruction Cards	1

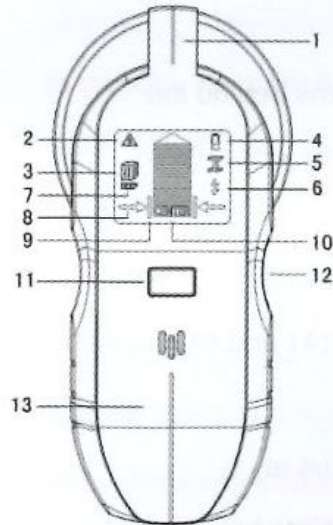


Borrowing Information

- The device may be checked out for 7 days and renewed
- Reservable and renewable
- Not transferable to another library
- Return to UDPL front desk only (\$2 fee if returned elsewhere)
- \$30 replacement fee

Features

PRODUCT DISPLAY



1. The Marking Point
2. AC Wire Warning
3. Stud Mode Indicator
4. Low battery Indicator
5. Metal Mode Indicator
6. AC Mode Indicator
7. Stud Deep Mode Indicator
8. Moving Direction Indicator
9. Stud Edge Indicator
10. Stud Center Indicator
11. **Power Button/Mode Switch Button**
12. **Scan Button**
13. Battery (Back of Unit)

Stud Scan Mode

Stud Scan Mode

Use this stud scan mode to find the center and edges of wood or metal studs up to 3/4 inches (19 millimeters) deep. For best results, always start in this mode when looking for studs.

Step 1: Press the mode button to choose the "stud mode" 

Step 2: Put the scanner on the wall and Press the Scan Button on the side of the tool to calibrate. After a short beep sounds, confirming calibration is complete.

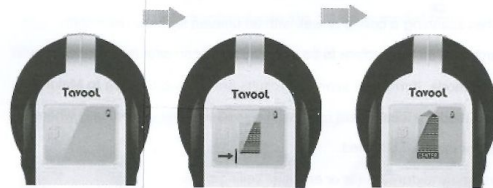
Note: Be sure not to move the scanner while calibrating.

Calibrate the tool on the wall before every scan.

Step3: Move it flat against the wall to scan.

Note: If it finds metal or wooden stud, the screen will show as the picture and it beeps.

If it finds nothing, please repeat the above steps (calibrate it and move it to scan)



Step4: Find the edge and center of the stud and mark it.

Note:

1. WireWarning detection works in all modes. The indicator flashes on the screen when detecting a live, unshielded wire.

2. Factors like humidity, temperature, and even the minor electric readings from your hand, which all have an impact on the readings from the wall.

3. If Stud Scan Mode provides irregular readings, the wood or studs might be behind deeper than 0.75 in. (19 mm). Slide the Mode Selector Switch to Deep Scan Mode.

Deep Scan Mode

Deep Scan Mode

Deep scan mode doubles the scanning depth of wood stud and metal stud to 1.5 in. (38 mm) deep and allows for increased accuracy on deeper targets.

Step 1: Press the mode button to choose the "Deep mode" 

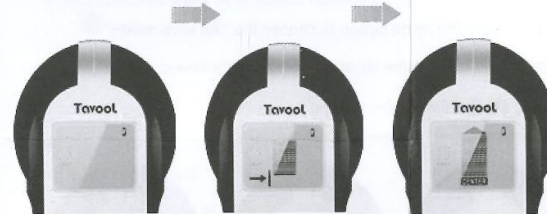
Step 2: Put the scanner on the wall and Press the Scan Button on the side of the tool to calibrate. After a short beep sounds, confirming calibration is complete.

Note: Be sure not to move the scanner while calibrating.

Calibrate the tool on the wall before every scan.

Step 3: Move it flat against the wall to scan.

Note: If it finds metal or wooden stud, the screen will show as the picture and it beeps. If it finds nothing, please repeat the above steps (calibrate it on a new place on the wall and move it to scan)



Step 4: Find the edge and center of the stud and mark it.

Note:

1. WireWarning detection works in all modes. The indicator flashes on the screen when detecting a live, unshielded wire.

2. Factors like humidity, temperature, and even the minor electric readings from your hand, which all have an impact on the readings from the wall.

Metal vs. Wooden Stud

Important: Confirm it is a metal stud or wooden stud

Because the stud finders are looking for a change in density behind wall in Stud Scan Modes and Deep Scan Modes, not a particular material. The detector will react to metal studs the same as it would for wooden studs. We can only hang things to wooden stud and can't drill to the metal stud.

After you detect the center of a stud, Please Use Metal Scan Mode to determine whether the previous reading in Stud scan was a wooden stud or metal stud.

Step 1: Press the mode button to choose the "Metal mode" 

Step 2: Calibrate the tool in the air

Step 3: Put it close to the stud center mark(you made in the previously steps) to test whether the tool will has a reaction. If the signal bar on the screen grows and the tool beeps, it means it is a metal stud, be sure not to drill to it. It is dangerous. If not, it means it is a wooden stud. You can drill it to hang your pictures, cabinet, TV, etc.

Metal Scan Mode

Metal Scan Mode

Use this mode to locate metal material and avoid hazards such as pipes behind wall up to 2.36 in.

Metal scan mode has Maximum metal sensitivity and is ideal for quickly finding the approximate location of metal. However, sensitivity can be reduced by calibrating the tool closer to metal. For maximum metal sensitivity, calibrate it **in the air** by pressing and holding the scan button.

Step 1: Press the mode button to choose the “Metal mode” 

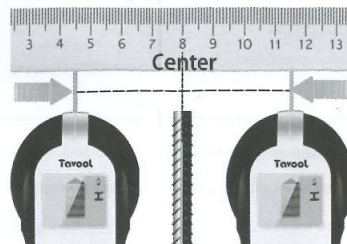
Step 2: Calibrate it in the air or on the wall (when you need to reduce the metal sensitive) before every scan

Step 3: Move it flat against the wall to scan.

Step 4: When the signal bar is full, mark the spot. Then move it in the same direction, you will get another spot where the signal bar is full.

The metal is at the center of the 2 spots.

Step 5: If the distance between the 2 spots is very long than actual size, please reduce the metal sensitivity by calibrating it on the wall and exactly on the spot, then repeat the step 4 to find the 2 spot. The metal is at the center of the 2 spots.



Note:

1. WireWarning detection works in all modes. The indicator flashes on the screen when detecting a live, unshielded wire.
2. Factors like humidity, temperature, and even the minor electric readings from your hand, which all have an impact on the readings from the wall.

AC Wire Scan Mode

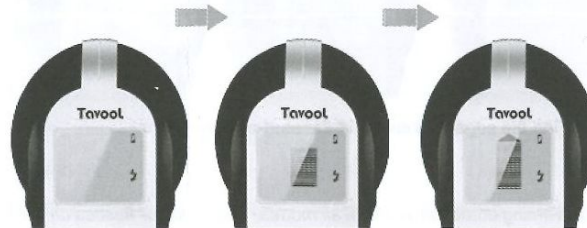
Ac wire Scan Mode

Ac wire mode finds live, unshielded, electrical wires up to 2 inches (51 millimeters) deep. It works by sensing the magnetic field changes of live AC wire. It indicates where the ac wire is but not the exact center. And it is needed to calibrate in the air, too.

Step 1: Press the mode button to choose the “Ac wire mode” ⚡

Step 2: Calibrate it in the air or on the wall before every scan

Step 3: Move it flat against the wall to scan.



Step 4: Mark where the strongest signal appears.

FAQs & Troubleshooting

Frequently Questions and Answers

1. I do all the steps as the instructions said, but the screen shows nothing.

No readings at all

2. It gives a different center of stud position every time on the same stud

3. It was not consistent

4. It works for one stud and not the next

5. It rarely find the same center or edge twice, it is wrong 3 out of 5 times.

If you encounters the above issues in stud mode or deep mode, It may be caused by the position you do the calibration.

Tavool electronic stud finder looks for a change in density behind wall to locate the wooden stud and metal studs in Stud Scan Mode and Deep Scan Mode. When you calibrate it at a position on the wall, the stud

finder gets an **initial density sample**. When it gets to the section with different density, the stud finder will create different circuitry inside and trigger its internal program to locate the center of the objects exactly. If you **calibrate it exactly on the wooden stud**, the **initial density sample** is not **reliable**, so the tool may has no readings at all or has different results, or is not consistent.

Similarly, if you calibrate it very close to the wooden stud, the **initial density sample** is not reliable,too. And it may cause that you didn't find the exact center or Works for one stud and not the next.

Above all, calibration before every scan is very important. And where you calibrate the tool is important, too.

If any other expected questions,or if the tool beeps all the time, please feel free to contact us at support@tavool.com to get a replacement or refund. We always stand behind our products to offer proper solutions and won't let you suffer any loss.

If any problems, your contacting us before an review is highly appreciated!

Included Batteries

This device requires a 9V battery.

You will receive the device with the battery preinstalled.

If the battery does not work, you can either replace it with your own or ask for a replacement at UDPL.

If you replace the installed battery with one of your own, please remove it before returning the device.