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BLACK+DECKER SF100

BLACK+DECKER SF100 Wood Stud Finder Instruction Manual

1. INTRODUCTION AND PRODUCT OVERVIEW

The BLACK+DECKER SF100 Wood Stud Finder is a compact and essential tool designed for accurately locating wood studs behind walls. This device simplifies tasks such as hanging pictures, installing shelving, or running chair railing by identifying the structural supports within your walls. It detects studs up to 3/4 inch thick, providing both visual LED indicators and audible alerts for precise location.

Key Features:

- Detects wood studs in walls up to 3/4 inch thick.
- LED indicators provide clear visual feedback for stud location.
- Audible alerts signal when a stud is found.
- Compact and easy-to-use design.
- Includes two AA batteries for immediate use.

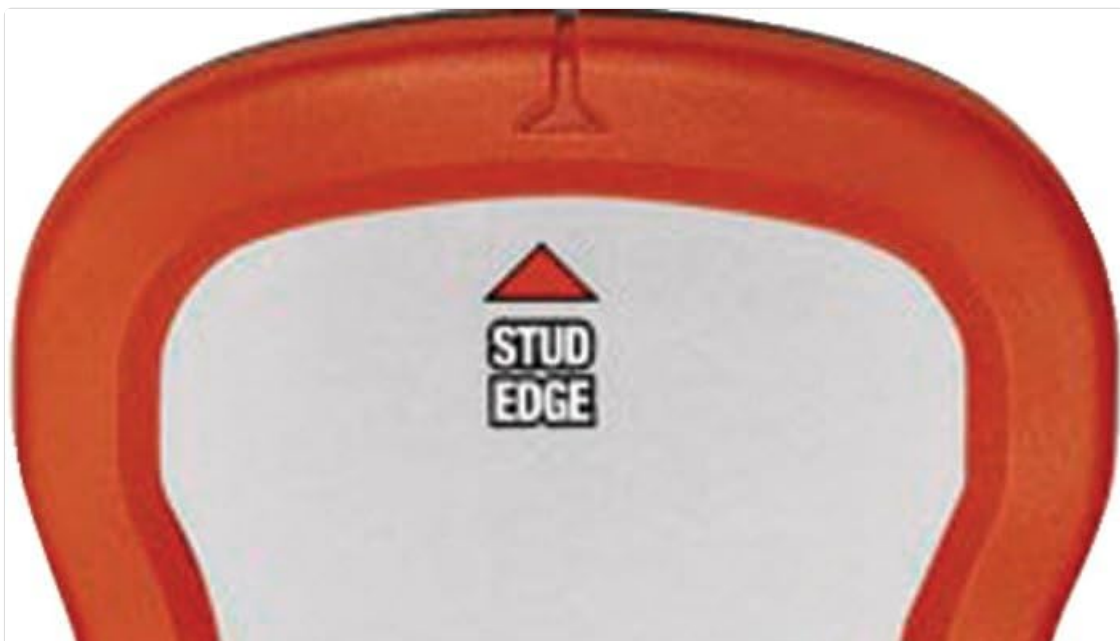




Figure 1: The BLACK+DECKER SF100 Wood Stud Finder.

2. SETUP AND BATTERY INSTALLATION

The BLACK+DECKER SF100 requires two AA batteries, which are included with the device. Ensure

batteries are installed correctly before use.

1. Locate the battery compartment on the bottom of the stud finder.
2. Slide the battery cover open.
3. Insert two AA batteries, ensuring the positive (+) and negative (-) terminals align with the markings inside the compartment.
4. Close the battery cover securely.



Figure 2: The back of the stud finder, indicating the battery compartment and operating instructions.

3. OPERATING INSTRUCTIONS

Follow these steps for accurate stud detection:

1. **Power On:** Press and hold the black button located on the side of the device. The LED lights will blink red, then green, indicating it is ready for use.
2. **Placement:** Place the stud finder flat against the wall surface where you intend to scan. Ensure the felt pads on the back of the device are in contact with the wall to prevent scratching.
3. **Scan:** While continuously holding the side button, slowly slide the device horizontally across the wall. Maintain firm, even pressure.
4. **Stud Detection:** When the device detects a stud, the red LED light will illuminate, and an audible beep will sound. This indicates the edge of a stud. Mark this spot.
5. **Confirm Stud:** Continue sliding past the marked spot until the red LED light turns off and the beeping stops. Then, slide the device back in the opposite direction to confirm the stud's location. Mark the other edge of the stud. The center of the stud is typically between these two marks.
6. **Power Off:** Release the side button to turn off the device.



Figure 3: Using the stud finder to mark a stud's location on a wall.





Figure 4: The stud finder in action, detecting studs behind a wall.

4. MAINTENANCE

To ensure the longevity and optimal performance of your BLACK+DECKER SF100 Wood Stud Finder, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth after each use. Do not use abrasive cleaners or solvents, as these can damage the plastic casing and electronic components.
- **Storage:** Store the stud finder in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** If the device will not be used for an extended period, remove the batteries to prevent leakage and potential damage.

5. TROUBLESHOOTING

If you encounter issues with your stud finder, consider the following:

- **Inaccurate Readings or Irregular Beeping:**
 - Ensure the device is calibrated correctly by pressing and holding the button against an empty section of the wall before scanning.
 - Move the device slowly and steadily across the wall. Rapid movement can lead to inaccurate results.

- Check battery levels. Low batteries can affect performance. Replace if necessary.
- The device is designed for wood studs. It may give false readings near metal pipes, electrical wiring, or other dense objects within the wall. Exercise caution and verify findings.

- **No Power:**

- Verify that the batteries are inserted correctly with the correct polarity.
- Replace old batteries with new ones.
- Ensure the power button is pressed and held firmly during operation.

6. SPECIFICATIONS

Feature	Specification
Brand	BLACK+DECKER
Model Name	SF100
Detection Depth	Up to 3/4 inch (wood studs)
Power Source	2 AA Batteries (included)
Indicators	LED lights and audible beeps
Material	Blend (Plastic)
Item Weight	5.6 ounces
Product Dimensions	4.1"D x 8.5"W x 1.8"H

7. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always exercise caution when working with walls. Before drilling or cutting, it is advisable to turn off power to the area and use a non-contact voltage detector to check for live electrical wires, even if a stud finder does not indicate their presence. Stud finders are designed to detect density changes and may not differentiate between wood studs and other dense objects or materials.

8. WARRANTY AND SUPPORT

The BLACK+DECKER SF100 Wood Stud Finder typically comes with a 2-year limited warranty. For

specific warranty details, product support, or service inquiries, please refer to the documentation included with your purchase or visit the official BLACK+DECKER website.

For further assistance, you may contact BLACK+DECKER customer service through their official channels.

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