

ELECTRICAL

WORKZONE®



Stud Detector User Guide

CE



INCLUDED

CONTENTS

- 1x Stud Detector
- 1x 9V Battery
- 1x User Guide

AFTER SALES SUPPORT

11334



GB 01270 508538 IE 0100 995 036



www.qesh.co.uk

MODEL:
11334

01/2019

3

**YEAR
WARRANTY**

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Welcome Section

Congratulations!

You have made an excellent choice with the purchase of this quality WORKZONE® product.

By doing so you now have the assurance and peace of mind which comes from purchasing a product that has been manufactured to the highest standards of performance and safety, supported by the high quality standards of Qesh Ltd.

We want you to be completely satisfied with your purchase, so this WORKZONE® product is backed by a comprehensive manufacturer's 3 year warranty and outstanding after sales service through our dedicated helpline.

We hope you enjoy using this product for many years to come.

If you require technical support or in the unlikely event that your purchase is faulty, please telephone our helpline for immediate assistance. Faulty product claims made within the 3 year warranty period will be repaired or replaced free of charge provided that you have a satisfactory proof of purchase.
(keep your receipt safe)

This does not affect your statutory rights. However be aware that the warranty will become null and void if the product is found to have been deliberately damaged, misused and/or disassembled.

General Information & Safety Instructions

This Stud Detector is powered by a 9V square battery.

Do not dispose of batteries in your household waste.

Please contact your local authority for details on safe disposal.

Do not expose this product to damp or moist conditions.



- Never throw batteries into a fire or expose to excessive heat sources.
- If batteries are swallowed, please seek immediate medical attention.
- Always ensure correct +/- battery polarity when installing batteries.
- Do not recharge non-rechargeable batteries.

Equipment, which is marked with the WEEE logo (as shown on the left), should not be thrown away with your household waste. Contact your local authority waste disposal department, as they will be able to provide details of the recycling options available in your area.



Electrical and electronic equipment (WEEE) contains materials, parts and substances, which can be dangerous to the environment and harmful to human health if the waste of electrical and electronic equipment (WEEE) is not disposed of correctly.

Equipment, which is marked with the WEEE logo (as shown on the left), should not be thrown away with your household waste. Contact your local authority waste disposal department, as they will be able to provide details of the recycling options available in your area

The EU Declaration of Conformity
can be downloaded from www.qesh.co.uk.

General Information & Safety Instructions

WARNING

DO NOT rely exclusively on the detector to locate items behind scanned surfaces. Use information sources such as plans, visible electrical and pipe outlets/entry points to locate objects before penetrating the surface.

- DO NOT assume that there is no live cabling within a wall.
- DO NOT take actions that could be dangerous.
- ALWAYS disconnect power, gas and water before penetrating a surface.

Failure to follow these directions may result in electrical shock, fire and/or serious injury/property damage.

Live AC Cable Detection

The detector has constant AC power cable warning alert that works in all modes. When a live AC source is detected the  icon will appear on the screen. Exercise extreme caution in this circumstance where AC power is present.

General Product Care

- Keep the Stud Detector dry and clean
- Avoid shock, vibrations and extreme heat
- Check the battery before use
- Please remove the battery for long term storage

Contents & Features

Contents

- 1 x Stud Detector
- 1 x 9V Battery
- 1 x User Guide

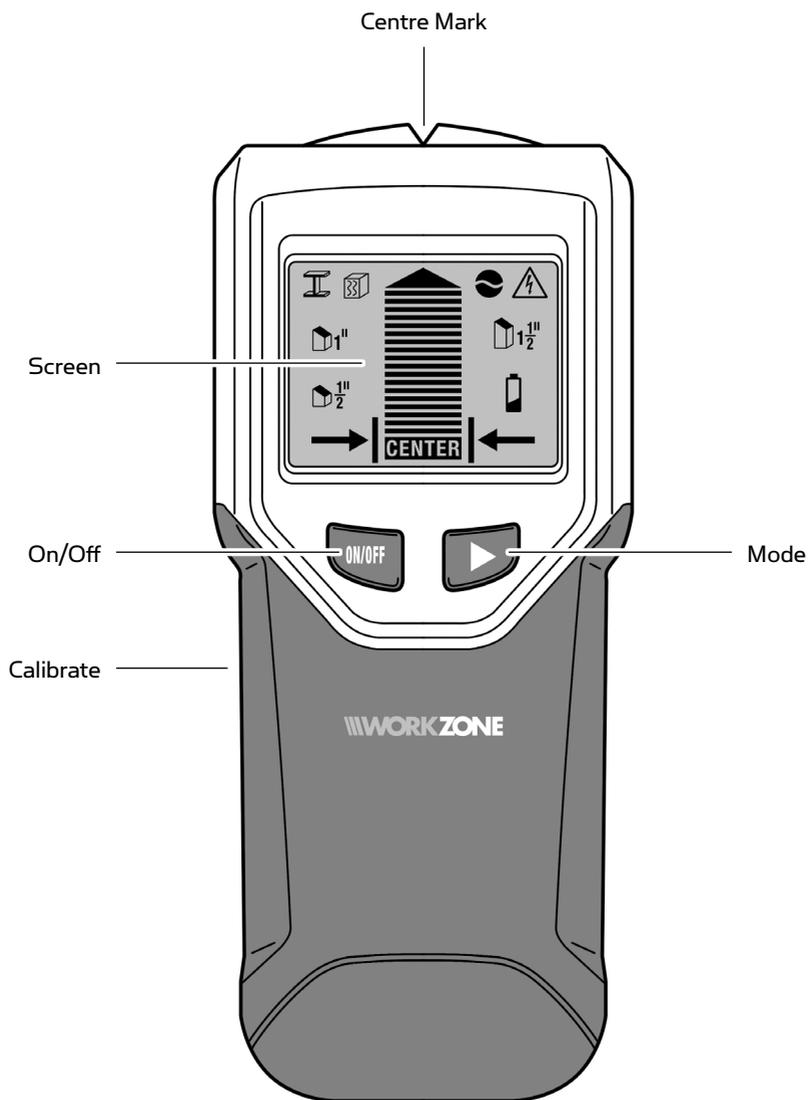
Features

- Detects wood, metal and unshielded AC cables
- Scans up to a depth of 2.36" (60mm)
- 3 preset stud depths
- 3 material presets
- Easy calibration
- Backlit screen
- Low power warning
- Battery powered

NO USER SERVICEABLE PARTS INSIDE

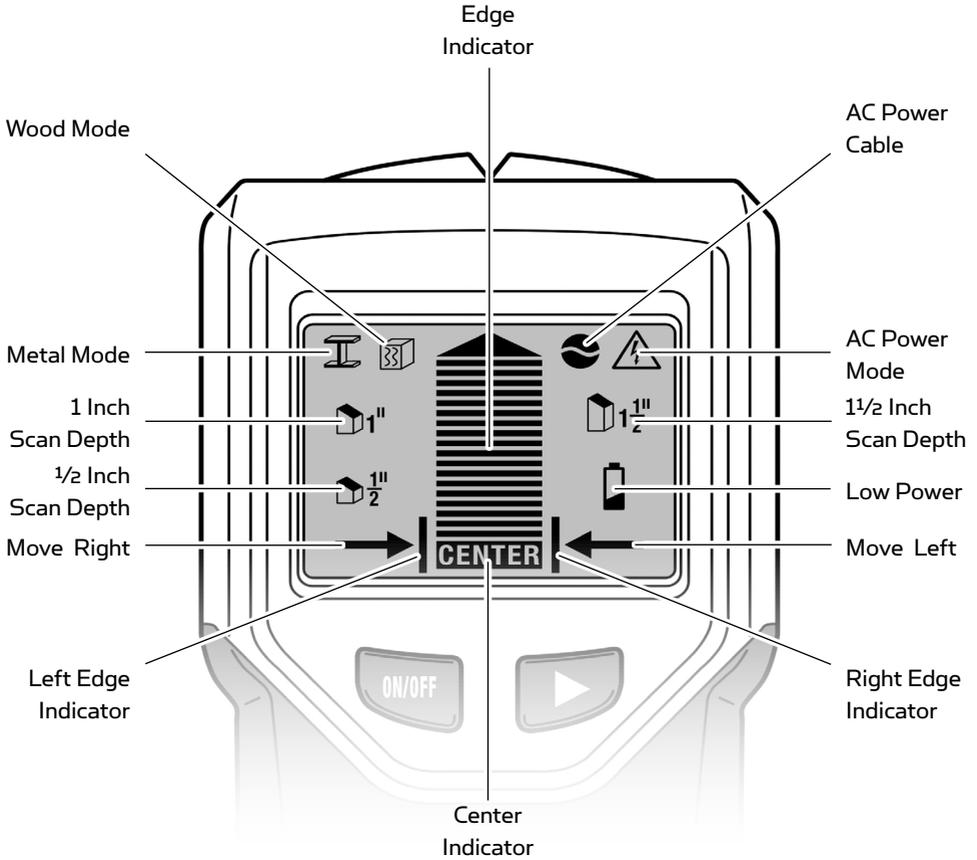
General Layout

STUD DETECTOR



General Layout

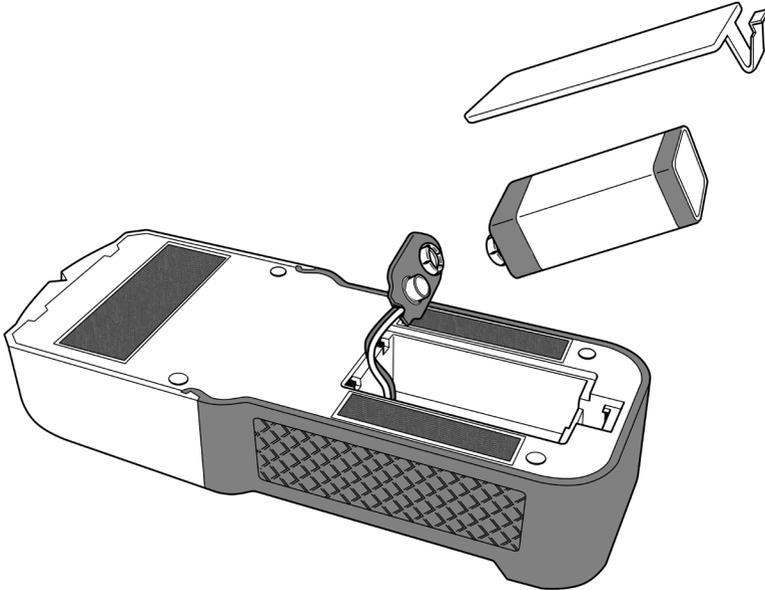
SCREEN ICONS



Setting Up

Installing The Battery

This product is supplied with a 9V battery. To fit the battery please remove the battery from it's wrapper. Open the battery bay by pushing the tab towards the top of the detector on the battery cover and lifting the cover up.



Connect the 9V battery to the correct terminals and place it in the battery bay. Replace the battery cover by inserting the holding pins first at the top of the bay and closing the cover down so the tab locks in to place.

Turning On/Off

To turn the Stud Detector on or off, give the 'On/Off' button a quick press. If the Stud Detector is left unused for 3 minutes, it will turn itself off.

Operating

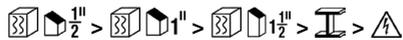
Selecting A Mode

The Stud Detector has three modes of use:

- Stud Detection 
- Metal Detection 
- AC Power Detection 

You will need to repeatedly press the  button to cycle through the available modes to make your selection.

The options will be:



The first three options are for stud detecting at different depths, which are 1/2" (12.7mm), 1" (25.4mm) and 1 1/2" (38.1mm).

The fourth option is for detecting metal, such as 1/2" rebar up to a depth of 2.36" (60mm).

The final option is for detecting AC power cables up to a depth of 2" (51mm).

Calibrating Before Use

After a mode has been selected you will need to calibrate the detector.

THIS MUST BE DONE EVERY TIME THE DETECTOR HAS BEEN TURNED ON FOR USE. To do this place the detector flat against any surface, but away from AC cable and metal. Press and hold the 'Calibrate' button on the side of the hand grip until you see the indicator bar drop on the screen and a beep can be heard. Wait 2-3 seconds before use.

WARNING

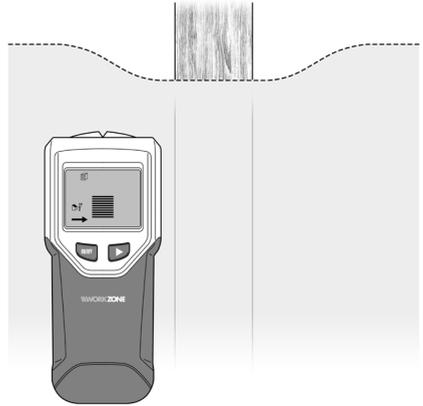
DO NOT rely exclusively on the detector to locate items behind scanned surfaces. Use information sources such as plans, visible electrical and pipe outlets/entry points to locate objects before penetrating the surface.

Operating

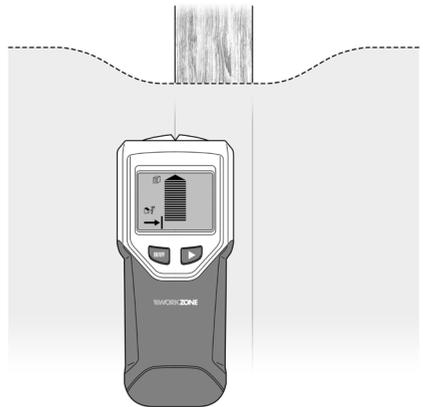
Stud Scanning Mode

To scan for studs make sure the detector has been set to one of the first three settings and calibrated as mentioned on page 7, place the detector's back flat against the surface you want to scan. In a slow paced motion move the detector up right across the surface in the direction you want to scan.

When you are close to a stud there will be an arrow point the direction of an object detected. Move slowly in the direction indicated. The center levels bar will rise or lower depending on how close you are to an object.



As soon as the detector shows a line next to the arrow you will have found edge of the stud. Use the 'V' groove to mark the centre of the stud with a pencil if required.

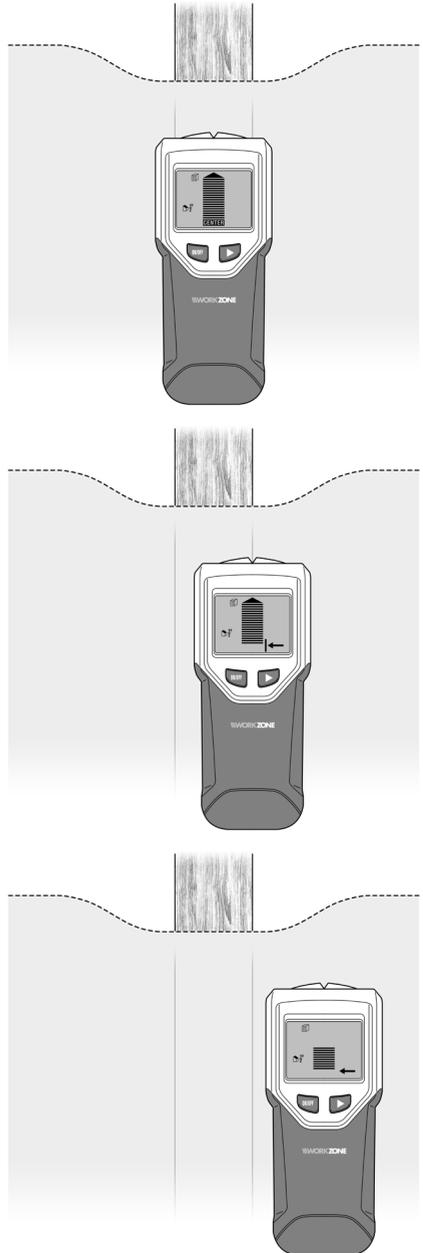


Operating

When the detector finds the center of the stud, there will be an audible beep. The screen will show a full level bar, an arrow at the top and 'CENTER' and the bottom. Use the 'V' groove to mark the centre of the stud with a pencil if required.

Keep moving in the same direction, if required to find the other stud edge. Look for the opposite arrow with a line. this will indicate the opposite edge to the one previously found. Use the 'V' groove to mark the centre of the stud with a pencil if required.

If you go too far the arrows on the screen will indicate which direction to move in if it detects an object. The center levels bar will rise or lower depending on how close you are to an object.



Operating

Stud Scanning On Different Surfaces

The detector will behave differently and results vary depending on what type of material it is scanning though.

WARNING

DO NOT rely exclusively on the detector to locate items behind scanned surfaces. Use information sources such as plans, visible electrical and pipe outlets/entry points to locate objects before penetrating the surface.

• WALLPAPER

Normally this is ok to scan over. However, if the wallpaper contains metallic foil or fibres or has been freshly hung within 6 weeks, results will be inaccurate and possibly unusable.

• FRESHLY PAINTED SURFACE

Scanning over this type of surface is ok. However, if the wall has been freshly painted within the last 2 weeks results can be inaccurate.

• LATH & PLASTER

Due to irregularities of the plaster thickness, this type of surface is not suitable for scanning in 'Stud' mode . It is recommended that you change to 'Metal' mode  and try scanning for nail heads in the lath pieces attached to the studs. If this surface has been reinforced with metal mesh, the detector will be unable to scan through it.

• EXTREMELY TEXTURED WALLS & CEILINGS

To scan over this type of surface, use a piece of cardboard placed on the wall or ceiling. Set the detector to '1 1/2"' scan mode  . Place the detector on the cardboard and scan across as normal. If you are getting irregular results please change the detector to 'Metal' mode  and scan for nail or screw heads in studs or joists.

Operating

- WOOD (SUB)FLOORING & GYPSUM DRY WALL OVER PLYWOOD

The detector will have trouble scanning through this mix of material and results will be inaccurate. You will need to use the '1½"' scan mode  and the indicator will show a weak signal only.

- CONCRETE, CARPET & PADDING

The detector will operate through these types of material.

You may get results with the 'Metal' scan mode  and scan for nail and screw heads.

Metal Scanning Mode

This mode will allow you to scan for metal nails, screws, pipes, trunking, etc.

To scan for metal make sure the detector has been set to 'Metal' mode  and calibrated as mentioned on page 7. To achieve a more accurate reading you will need to scan in two passes.

- FIRST PASS

As the detector has been calibrated, press and hold the 'Calibrate' button on the side of the detector hand grip and move in the direction you want to scan. When the scan bar reaches the top, mark the position on the surface using a pencil and the 'V' groove and the top of the detector. Continue scanning across until you get the indicator drops a little. Move back again until the indicator is as the top and mark the position as previously done. This is the general area.

- SECOND PASS

Once you have marked the general area, place the detector on one of the marks and turn it off, then on, select the 'Metal' mode and recalibrate. This will increase the accuracy of the reading. Do a second pass of the area in the same manner as the first pass, and mark as required. The center point between the two marks will be the approximate middle. You can do this step multiple times to get an even more accurate reading.

Operating

AC Power Cable Scanning Mode

This mode will allow you to scan for metal nails, screws, pipes, trunking, etc. To scan for metal make sure the detector has been set to 'AC Power' mode  and calibrated as mentioned on page 7. To achieve a more accurate reading you will need to scan in two passes or more.

WARNING

Electrical field detection will not work beyond a depth of 2" (51mm) from the scanned surface. Conduits encased in concrete, behind sheer plywood, metallic wall coverings or damp wall conditions will cause very limited detection and may not be detected at all.

• FIRST PASS

As the detector has been calibrated, press and hold the 'Calibrate' button on the side of the detector hand grip and move in the direction you want to scan. When the scan bar reaches the top, mark the position on the surface using a pencil and the 'V' groove and the top of the detector. Continue scanning across until you get the indicator drops a little. Move back again until the indicator is as the top and mark the position as previously done. This is the general area.

• SECOND PASS

Once you have marked the general area, place the detector on one of the marks and turn it off, then on, select the 'Metal' mode and recalibrate. This will increase the accuracy of the reading. Do a second pass of the area in the same manner as the first pass, and mark as required. The center point between the two marks will be the approximate middle. You can do this step multiple times to get an even more accurate reading.

Trouble Shooting

Problem	Cause	Solution
Not turning on.	Flat battery.	Change battery.
Not detecting correctly, low battery indicator present.	Battery charge to low to operate correctly.	Change battery.
Detecting other objects while in stud mode.	Electrical wiring, plastic or metal pips may be touching the back of the scanned surface area. Double and triple studs can be found round doors and windows	Scan the area in Metal mode an AC Power mode to determine if either is present. Check for other studs spaced either side. A stud reading is approximately 1½" (38.1mm) anything larger or smaller away from a door or window frame is unlikely to be stud. Scan for edges and work from there.
Area of detected AC power appears larger than the actual wiring.	AC power can spread laterally as much as 12" (310mm) either side on a drywall surface.	Repeat the second pass process to locate the source. See page 13.
Area of detected metal appears larger than actual size.	Metals density can register as larger object.	Repeat the second pass process to locate the object. See page 12.
You suspect electrical wiring, but unable to detect any.	Wiring may run deeper than 2" (51mm). Wiring maybe shielded by a conduit, behind a metallic covering or shear plywood.	Make sure the electricians are on for scanning purposes. Try using Metal mode if you are still not picking up AC voltage and scan for the metal aspect of the wiring.

When in doubt always ask/seek a trade professional.

Specifications

Stud Detector

General

Dimensions: 68mm x 34mm x 168mm
Approximate Weight: 149g

Battery

Battery Type: 9V 'Square'



Warranty Certificate

Warranty

This product is warranted to be free from defects in workmanship and parts for a period of 36 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion, solely at our option with no charge for parts and labour. The benefits covered by this warranty are in addition to all rights and remedies in respect of the product the consumer has under existing U.K. laws.

Proof of Purchase

This warranty is valid for the original purchase and is not transferable. Please keep your purchase receipt as proof of purchase and as proof of the date of when the purchase was made. The receipt must be presented with the warranty card when making a claim under this warranty.

Service during the Warranty Period

Please ensure the product is properly packaged so as to ensure that no damage occurs in transit. Also make sure that you have included a detailed explanation of the problem.

Extent of the Warranty

This warranty is limited to defects in workmanship or parts. All defective products or parts will be repaired or replaced. This warranty does not extend to accessories.

Normal Wear and Tear

This warranty does not cover normal wear and tear of the product or parts.

Exclusions

- Any defect caused by accident, misuse, abuse, improper installation or operation, lack of reasonable care, unauthorised modification, loss of parts, tampering or attempted repair by a person not authorised by the distributor.
- Any product that has been damaged by lightning strike either directly or indirectly, or on a main's or vehicle outlet power surge or liquid ingress.
- Any product that has not been installed, operated or maintained in accordance with the manufacturer's operating instructions provided with the product.
- Any product that has been used for purposes other than domestic use.
- The product if it is located outside of the U.K. and Ireland
- Any damage caused by improper power input or improper cable connection.

This warranty does not affect your statutory rights.



WORKZONE®

Stud Detector

Your Details:

Name:

Address:

.....

 Email:

Date of purchase*:

*We recommend you keep the receipt with this warranty card.

Location of purchase:

Description of malfunction:

Return your completed card to:

Qesh Limited
B7, First Business Park
First Avenue, Crewe
Cheshire
CW1 6BG
United Kingdom

Email:
enquiries@qesh.co.uk

AFTERSALES SUPPORT

  01270 508538  www.qesh.co.uk
  1800 995 036

MODEL: 11334 **PRODUCT CODE:** 11334 01/2019

Phone lines available Monday to Friday 9am - 5pm.
Call cost local rate per minute from a landline,
calls from mobiles may vary

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WARRANTY

