

ExitPoint® XL300 Through-Hole Drill Guide

BEFORE YOU BEGIN

THIS TOOL WORKS BY DETECTING A HIGH-POWERED MAGNET ON THE OTHER SIDE OF A WALL. IT DOES NOT DETECT STUDS, PIPES, OR ELECTRICAL WIRES. **USE OTHER TOOLS TO DETECT STUDS, PIPES OR ELECTRICAL WIRES BEFORE DRILLING.**

- Always use new alkaline AAA (LR03) batteries with extended expiration dates at least 3 years beyond the current date. Match the direction of batteries to the images inside of battery cavity.
- Before drilling, use a Zircon stud finding scanner to scan for studs at several different heights on the wall and mark the location of every target indicated by the stud finder. This is called "mapping the wall." Pipes and other objects will likely not give consistent readings from floor to ceiling like a stud would.
- Readings should always be consistent and repeatable.
- Studs normally run from floor to ceiling, except above and below windows, and above doors.
- Other objects commonly contained in walls, floors, or ceilings are water pipes, gas lines, firestops, and electrical wiring.
- Sensing depth and accuracy can vary depending on scanning environment conditions such as mineral content, moisture, texture and consistency of the wall materials.
- Always turn off power when working near electrical wires.
- Caution should always be used when nailing, cutting, or drilling in walls, floors, and ceilings that may contain these items.
- Studs and joists are normally spaced 16 or 24" (40 or 60 cm) apart, are normally 1½" (38 mm) wide, and may be separated by firestops. Anything closer together, or of a different width, may not be a stud or joist.
- Materials more than 11.8" (30 cm) thick may not be detected.
- Keep away from children, pacemakers, and medical devices.
- Fingers can get severely pinched between two attracting magnets.
- Do not dismantle magnet housings. Magnets can peel, crack, or shatter if allowed to slam together.
- Do not expose to magnetic media and other electronics. The strong magnetic fields can damage these items.
- Keep magnets away from heat and fire.

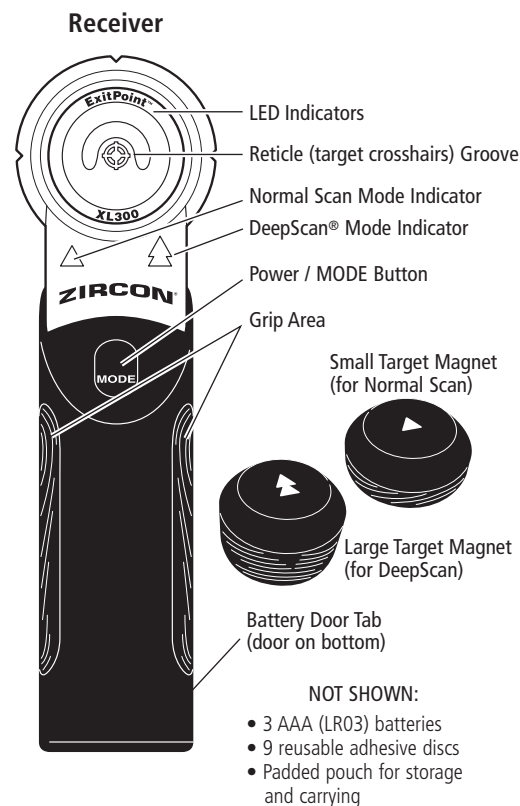
TROUBLESHOOTING & CONSTRUCTION TIPS

SITUATION	LIKELY CAUSE	SOLUTION
<ul style="list-style-type: none"> Receiver does not power on or powers off immediately. Receiver keeps recalibrating or indicating calibration error. 	Battery PULL Tab not removed.	Remove PULL Tab from battery compartment.
	Battery level too low for proper operation.	Replace with (3) brand new alkaline AAA batteries.
Solid red indication flickers (blue LEDs momentarily turn on) when Receiver is believed to be over Target Magnet.	Receiver needs to be recalibrated.	Move Receiver away from suspected target location, recalibrate, then restart search for Target Magnet.
Solid red indication continues to flicker after several recalibration attempts.	Receiver is unable to locate Target Magnet in this particular location.	Change to DeepScan® Mode (Large Target Magnet) and rescan for Target Magnet.
Unable to locate Target Magnet.	Target Magnet is oriented the wrong direction (north pole).	Orient Target Magnet in other direction (south pole).
	Receiver is within approximately 1" (25 mm) of Target Magnet.	If the Receiver is too close to the Target Magnet, the magnetic lines wrap around magnet. Move Receiver further away from Target Magnet and rescan.
	Target Magnet distance exceeds scan mode specifications.	Check scan depth, Target Magnet size, and scan mode.

DISPLAY INDICATIONS

DISPLAY	INDICATES
Single triangle illuminated. ▲	Receiver is in Normal Scan Mode. Use Small Target Magnet.
Double triangle illuminated. ▲▲	Receiver is in DeepScan Mode. Use Large Target Magnet.
Red and blue LEDs flash in a circular motion.	Receiver is calibrating. Wait for it to finish before moving.
Blue LEDs on (steady), red LEDs off. A short beep sounds.	Calibration is complete. Receiver is ready to scan.
Blue LEDs on (steady), while red LEDs flash.	<ul style="list-style-type: none"> Target Magnet detected but not yet located. Detection of stray magnetic fields in DeepScan Mode. Red LEDs flash more rapidly as Receiver approaches Target Magnet. They flash more slowly as it moves away.
Red LEDs on (steady) / Blue LEDs off.	Magnetic field strength is very strong.
Both blue and red LEDs flash.	Calibration failed. Recalibrate again.

FCC Part 15 Class B Registration Warning: This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



This tool is designed to help locate a through-hole point for drilling through walls. It operates in one of two modes:

- **Normal Scan** is optimized for interior walls with ½" (1.3 cm) sheetrock on both sides, up to 4.5" (11.5 cm) thick
- **DeepScan** is for use with thicker walls, up to 11.8" (30 cm)

Depth can vary due to wall material and construction.

INSTALLING THE BATTERIES

Before first use, remove the PULL tab in the battery compartment.

Always use new alkaline AAA (LR03) batteries with extended expiration dates at least 3 years beyond the current date. Match the direction of batteries to the images inside of battery cavity.

Low battery: When the battery level is too low for proper operation, the Receiver will automatically power off. If Receiver does not light upon pressing the Power / MODE Button, please replace all three batteries with a brand new set.

POWER UP

To activate Receiver, hold the tool flat against the surface being scanned and press the Power / MODE Button. Lights will flash as tool automatically calibrates, then a beep will sound and a blue light will hold steady once calibration is complete.

A failed calibration is indicated by a rapid pulsing of both red and blue LEDs at the same time. Move the Receiver away from the suspected location of the Target Magnet and it will automatically recalibrate.

POWER DOWN

To power off the Receiver, press and hold the Power / MODE Button down for approximately 2 seconds. Lights will turn off.

The Receiver will automatically power off approximately 3 minutes after last calibration.

SCAN IN NORMAL SCAN MODE

The Receiver powers up in Normal Scan Mode, indicated by the Normal Scan Mode Indicator light. Always use the Small Target Magnet when scanning in this mode. (Figure A)

Use Normal Scan Mode for scanning through materials up to 4.5" (11.5 cm) thick.

⚠ WARNING DO NOT ASSUME THERE ARE NO LIVE ELECTRICAL WIRES IN THE WALL. DO NOT TAKE ACTIONS THAT COULD BE DANGEROUS IF THE WALL CONTAINS A LIVE ELECTRICAL WIRE. ALWAYS TURN OFF THE ELECTRICAL, GAS, AND WATER SUPPLIES BEFORE PENETRATING A SURFACE. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN ELECTRIC SHOCK, FIRE, AND/OR SERIOUS INJURY OR PROPERTY DAMAGE.

1. Determine where the drill exit hole should be. Clean the surface of any dust or oils, and make sure the surface is dry.

2. Remove the protective plastic from both sides of an adhesive disc, then use the disc to affix the Small Target Magnet to the location, with yellow side facing away from wall. (Figure B)

3. Grasp grips with thumb on one and fingers on the other. Place the Receiver flat against the opposite surface from the Target Magnet, but in an area not likely to be over it.

4. Power up the Receiver and let it calibrate until the blue light is steady (not flashing).

5. Move the Receiver horizontally. As it approaches the target, red LEDs will flash slowly. When the red lights go steady, mark the location through the reticle groove. (Figure C)

6. Continue scanning in the same direction until the red and blue LEDs flash, then reverse direction.

7. Mark the location where the red LED shines steadily. The approximate midpoint of the target is between the two marks. (Figure D)

8. Without recalibrating, move the Receiver to the midpoint, then scan vertically until the top and bottom limits are marked. The center of the Target Magnet should be the midpoint between the top and bottom marks. (Figure E)

⚠ WARNING This Receiver does NOT detect hidden objects behind surface. Use other information sources to locate, and avoid, objects behind surface before drilling.

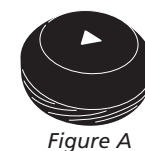


Figure A

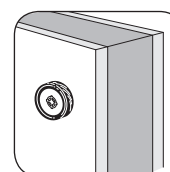


Figure B

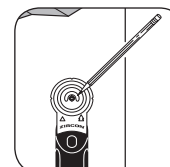


Figure C

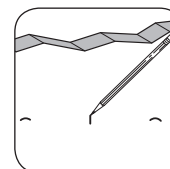


Figure D

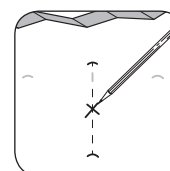


Figure E

USE DEEPSCAN MODE

Use DeepScan Mode for scanning through materials more than 4.5" (11.5 cm) but less than 11.8" (30 cm) thick.

For DeepScan, always use the Large Target Magnet. (Figure F)

1. Determine where the drill exit hole should be. Affix the Large Target Magnet to the location with a reusable adhesive disc, yellow side facing away from wall.

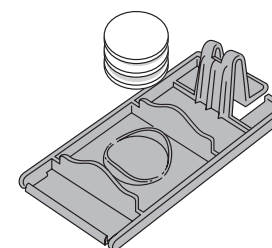
2. Power up Receiver, then press Power / MODE Button twice to switch from Normal to DeepScan Mode. The DeepScan Mode Indicator light will illuminate as indicated by icon to the right.

3. Follow steps 4–8 under SCAN IN NORMAL SCAN MODE.

STORING REUSABLE ADHESIVE DISCS

This tool comes with 9 double-sided, reusable adhesive discs. With repetitive use or exposure to dust particles, discs may lose stickiness. Gently wash with soapy water, rinse, air dry, and reuse.

The discs can be stored within the battery compartment by stacking within the designated, circular template.



To order more, email techsupport@zircon.com.

LIMITED 1 YEAR WARRANTY

Zircon Corporation ("Zircon") warrants to the product owner that this product will be free from defects in materials and workmanship for one year from the original date of purchase. Any defective product returned to Zircon within the warranty period to the address below, freight prepaid, along with proof of purchase, will be repaired or replaced, at Zircon's option. Repair or replacement may be made with a new or refurbished product or components, at Zircon's sole discretion. If the returned product is no longer available, Zircon may replace the product with a similar product of similar function. This warranty is limited to the electronic circuitry of the product and original case of the product, and specifically excludes any damage caused by abuse, modification, handling contrary to these instructions, other unreasonable use, or neglect. This is your sole and exclusive remedy for breach of this Limited Warranty.

This Limited Warranty is in lieu of all other warranties, express or implied, and no other representations or claims of a similar nature will bind or obligate Zircon. Any implied warranties applicable to this product that cannot be disclaimed are limited to the one year period following its purchase. This Limited Warranty does not cover consumable parts, including batteries, or software, even if packaged with the product.

STORING YOUR TOOL

- Padded pouch holds and protects scanner
- Before storing, use a dry cloth to clean all parts. Do not expose the tool to liquid
- Pouch flap securely closes
- D-rings on end of flap and bottom of pouch can be used to lock pouch
- Clear front pocket holds ID for company or individual
- Hook and loop straps on back can be used as a shoulder strap, strapped around waist, or hung from belt loops
- D-ring on back can be used to hang pouch when not in use
- Exterior elastic loops conveniently hold pencils, pens or small tools
- Interior elastic loops can hold 3 AAA batteries

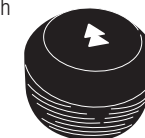


Figure F



IN NO EVENT WILL ZIRCON BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM POSSESSION, USE OR MALFUNCTION OF THIS PRODUCT.

Some states do not allow limitations on certain implied warranties and/or the limitation on incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Return products for warranty service, freight prepaid with proof of purchase (a dated sales receipt) to:

Zircon Corporation
Attn: Returns Department
1580 Dell Avenue
Campbell, CA 95008-6992 USA

Be sure to include your name and return address. Allow 4–6 weeks for delivery.

Customer Service: 1-800-245-9265 or 1-408-963-4550
Monday–Friday, 8:00 a.m.–5:00 p.m. PT
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