Thank you for purchasing this JLX® Tracking Rotary Laser. The JLX® series represents Johnson's most technologically advanced tools, designed to help you work smarter and faster. This tool features:

- Automatic tracking of the beam to the detector
- GreenBrite® technology
- Single and dual slope
- Tilt alarm
- Scan mode
- Visual/audible out-of-level alarms

Typical Applications Include:
- Drywall track installation
- Wall framing
- Tilt-up wall installation
- Pipe and drain installation
- Orthogonal layout
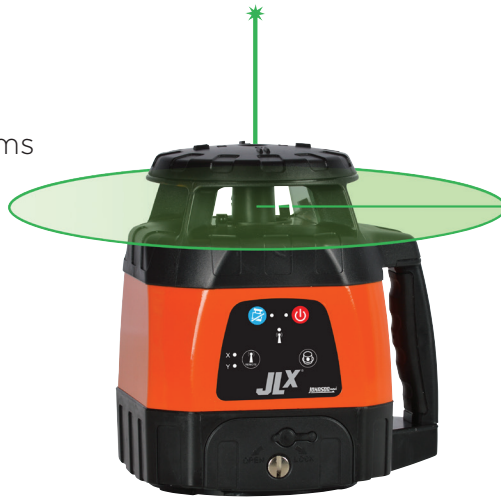
GETTING STARTED

1. Insert batteries into the laser, detector and remote.

   Note: The laser will stop receiving remote/detector signals after 30 minutes of inactivity. Press ⏻ on the laser to re-enable.

2. Tap ⏻ to power on the laser.
   In horizontal mode, the laser will self-level then begin to rotate. In vertical mode, it will emit a plumb-down alignment laser.
   Note: The laser will flash if it's beyond its self leveling range.

3. Tap 🔄 to begin rotation or adjust rotational speed.

4. Tap ⏻ on the detector to power it on.

5. Tap 🔊 to set the detector volume level.

6. Press and hold 🔊 to turn on the detector's backlight.

7. Tap UNIT to set the detector's units - mm, inches or inches fraction.

8. Tap 📶 to set the detector's sensitivity. Sensitivity will always display in millimeters: 1mm, 5mm or 9mm (0.04", 0.2", 0.35").

9. To adjust the detector zero point press ZERO. Zero offsets will clear when the detector is powered off. Maximum adjustability is 0.75".

TRACKING MODE

This laser features tracking to automatically slope the beam in either the X or Y axis. The beam slope adjusts until the beam intersects the detector's zero point - helpful for simplifying layout work and connecting reference points with laser lines.

To use the rotary in tracking mode:

1. Power on the laser and the detector by pressing ⏻.

2. Set your desired slope axis by pressing X/Y on the detector.

3. Press and hold 📶 on the detector. The blue LED will illuminate.

4. Locate your detector's zero point over the desired target.

5. The rotary will begin to sweep through a +/-5° arc until it locates the detector's receiving window. It will stop when it intersects the zero point of the detector.

6. The detector's blue LED will turn off, and slope will be fixed.

7. The detector will now function like a standard laser detector. You can locate your interim grade points without affecting the slope of the laser.

SINGLE-AXIS SLOPE MODE

Single-axis slope mode angles the laser beam in either the X or Y axis. If bumped, the laser will re-level and maintain slope.

1. Press and hold X/Y on the remote (not the detector) for 3 seconds to enable single-slope mode.

2. The laser's X-LED will be solid & the Y LED blinking, indicating slope can be set for the X-axis. Press X/Y again to toggle axes.

3. Use the slope buttons ▼ or ▲ to adjust slope. Tap for small adjustments, or press and hold for larger adjustment.

Pro Tip: Set a specific slope using a grade rod and detector.

1. Set the detector a known distance from the laser. Find grade.

2. Raise or lower the detector the required amount, then adjust slope until the detector reads the beam.

3. For example, to slope 1/4" per 10', set the detector 10' from the laser and find grade. Lower the detector 1/4" and slope the laser beam until the detector locates the beam again.

DUAL-AXIS SLOPE MODE

Dual-axis slope mode angles the laser beam in X and Y directions, for example when sloping a concrete slab towards a single corner.

Dual-slope mode may be used in either horizontal or vertical mode. Vertical slope mode can speed up the process of establishing reference lines.

When in dual-slope mode, the tilt indicator will not be functional. Ensure the laser is not bumped while operating in dual-slope mode.

To use dual-slope mode:

1. Tap **X/Y** on the remote (not the detector) to start dual-slope mode.
2. The X axis indicator will blink. Use ▲ and ▼ to adjust the slope in the X axis. Tap for minor adjustments, or press and hold for larger adjustments.
3. Tap **X/Y** on the remote to toggle the axis and set slope in the Y direction. The Y axis indicator will blink. Use ▲ and ▼ to adjust the slope in the Y axis.
4. If the laser exceeds its slope range, the rotation will stop, the laser will flash and the alarm will sound. If this happens, reduce the slope in either axis until the laser resumes operation.
5. Exit dual slope mode by holding **X/Y** for 3 seconds. The laser will self level and begin to spin horizontally or vertically.

Pro Tip: Instead of setting slope manually, use the tracking function. In most cases, this will speed up the process of setting slope.

If you're using a different detector than the one that came with your rotary, you won't be able to use the tracking function and manual slope mode will be required.

Also, in high wind with a grade rod, detector movement can cause instabilities in steadying the detector in tracking mode. Use manual slope mode instead.

SCAN MODE

Scan mode simulates a laser line or dot, increasing the visibility of the laser when working without a detector.

1. With the laser rotating, press ⬦ to change from a rotational laser to a long laser line, short laser line or dot.
2. Rotate the line or dot using ⊕ or ⊖ .
3. To exit scan mode, press ⊟. The laser will rotate normally.

TILT INDICATOR

The tilt indicator (tilt mode) disables the laser if it's bumped while operating, preventing you from taking inaccurate measurements.

Tilt mode is enabled by default, indicated by the tilt mode LED.

1. The tilt LED will flash for 30 seconds, during which time the laser will re-level and restart if bumped.
2. After 30 seconds, the tilt LED will remain on, and tilt mode will be active. If bumped, the laser will stop spinning and flash to alert you.
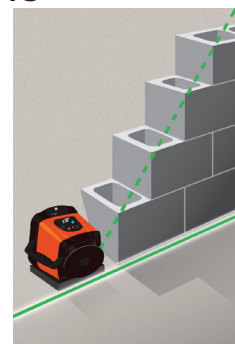3. Reset the laser after a tilt event or exit tilt mode by pressing 🔁.

SETTING THE WIRELESS CHANNEL

1. Up to 9 channels are available when operating multiple units nearby. The laser and detector must be on the same channel.
2. Press 🔁 and 🔘 with tilt mode disabled. Press 🔘 to advance the channel. The remote LED will flash the number of times that correspond to the channel number, 1 - 9.
3. Set the detector channel - while in tracking mode, press 📶 and **ZERO** until the desired channel is displayed on the LCD screen.

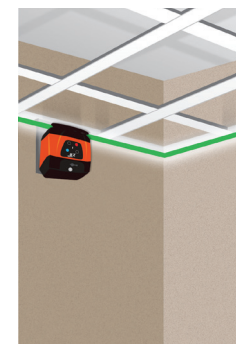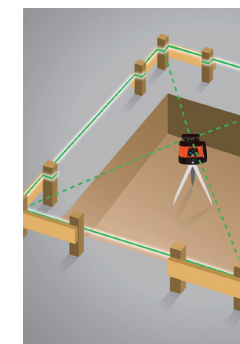## APPLICATIONS

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