

JOHNSON[®] 40-6690 Pipe Laser Quick Start Guide

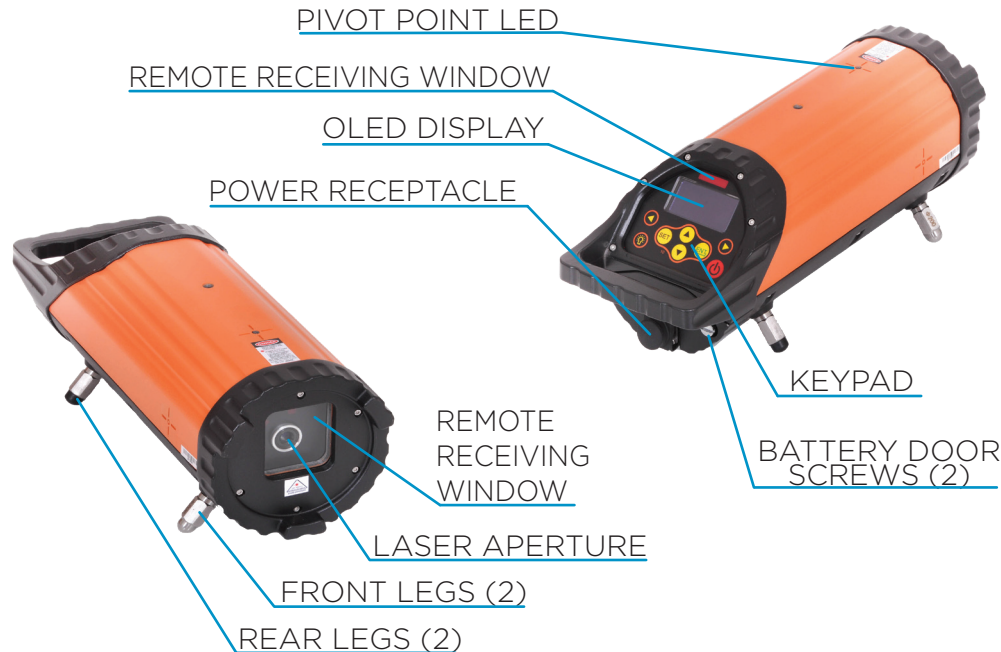
Thank you for purchasing this high-accuracy Johnson electronic self-leveling pipe laser, the easiest way to ensure large drainage piping is laid straight and properly sloped.

This pipe laser features:

- Remote control for operation outside the trench
- Large sunlight-readable OLED display
- High accuracy (1/16" @ 100')
- Wide self-leveling range
- Rechargeable battery
- 6.4V power adapter
- Leg sets for 6", 8", 10", 12", 15" and 21" diameter pipes
- Horizontal scan mode ($\pm 4^\circ$)
- IP68 / Nitrogen purged to prevent condensation

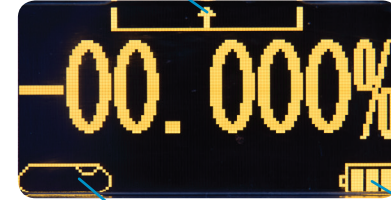


KEY COMPONENTS



DISPLAY OVERVIEW

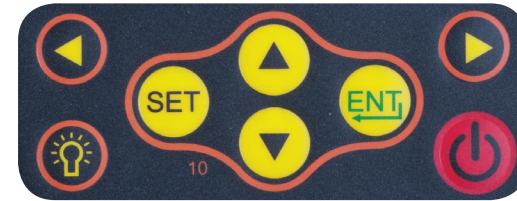
HORIZONTAL POSITION INDICATOR









BATTERY INDICATOR

HORIZONTAL LEVEL

KEYPAD OVERVIEW



-  **POWER** - Press to toggle power on/off.
-  **PIVOT LED** - Press to turn on the pivot point LED (LED will illuminate when power is on).
-  **LEFT & RIGHT CONTROL** - Press to move the laser beam left/right. Slope will not change.
-  **GRADE ADJUST** - Press to enter grade adjustment mode. Press again to advance the cursor position.
-  **GRADE SETPOINT** - In grade adjust mode, press to toggle the value at the current cursor position.
-  **GRADE ENTER** - In grade adjust mode, press to accept the new grade value.

INSTALLING BATTERIES

The laser comes with an option to use the rechargeable battery pack or standard "D" cell batteries. To remove the battery holder, loosen the battery door screws and pull out the battery. To charge the rechargeable battery, remove the power receptacle cover and plug in the AC or 12V charger.



- 1: Squeeze tabs in.
- 2: Pull out cover.
- 3: Install per the indicated polarity.

LEVEL UP.[®]

We want to get you up and running as quickly as possible - but this quick start guide is not a replacement for reading and understanding your operator's manual! For complete safety & operating instructions, refer to the operator's manual included with your tool, or scan the QR code.



40-6690 QSG Rev 1
www.johnsonlevel.com/manuals

OPERATING THE LASER

- Install the correct leg set for your pipe size. Legs are etched with the nominal pipe diameter in mm. For 6" pipe, no legs are needed. Note: 200mm=8", 250mm=10", 300=12", 400mm=15", 500mm=21"
- The leg sets are designed to center the laser in a pipe of the given diameter. If your application does not require the laser to be centered, you can use any leg set that fits inside your pipe.
- Power on the laser by pressing . The laser will self level vertically and adjust to a grade of 0.0%. Using the horizontal level indicator on the OLED display, rotate the laser as necessary to level the laser.
- Insert the appropriate target into the target holder and set the target to the appropriate height. Place the target at the far end of your pipe.
- Level the target in the pipe using the bubble level on the target. The target is calibrated so that the bullseye is centered in the pipe.
- Use and to move the beam to be vertically centered to the bullseye. The horizontal position indicator will indicate how much of the $\pm 4^\circ$ travel has been used.
- Set the laser's slope to the desired grade, generally obtained from your engineering plans.
- Press to enter grade set mode.
- Press and to adjust each digit and the slope direction (+ or -). Press to advance to the next digit.
- Press to store the slope value. The laser will reposition vertically to the new slope.
- You may now complete your work.
- To reset the horizontal position of the laser to center, press both and simultaneously. The laser will re-center horizontally and the Horizontal Position Indicator will indicate center.
- To power off the laser, press .



USING THE REMOTE CONTROL

- If your laser has an LCD display, it will be supplied with Version 1 remote. OLED display pipe lasers use Version 2. NOTE: Remotes are not interchangeable - if you need to replace your remote, ensure you order the correct version!
- The remote will not power the laser ON unless the laser has been operated within the last 30 minutes.
- The laser has remote sensors at both front and rear of the laser housing, and can receive remote signals from up to 165' away.
- The remote functions just like the laser's keypad, letting you control the laser safely from outside the ditch in which its located.



VERSION 1



VERSION 2

USING THE TRIVET STAND

Johnson's pipe laser trivet stand (Part 40-6391, sold separately) is an excellent accessory for positioning your pipe laser when your application does not require the laser to be centered in a pipe. The trivet stand is easy to level in both axes and securely mounts the pipe laser.

The trivet stand features a slope scale to help you determine the elevation of your jobsite.



LEVEL UP.
JOHNSON PIPE LASERS

