

Thank you for purchasing this Johnson long-range rotary laser! These lasers are ideal for large jobsites, both indoor and out. With up to a 2,000' working diameter, these rotaries can provide complete coverage of commercial buildings, industrial complexes and small subdivisions with ease.

This tool features:

- Long-range laser – Class IIIa
- 1/8" @ 100' accuracy
- Scan mode for simulated line and dot laser output
- Manual vertical mode
- 1,200' range green beam (Model 40-6543)
- 2,000' range red beam (all other models)
- Some models include a remote control and laser detector



## GETTING STARTED

1. Fully charge the NiMH battery or insert fresh alkaline batteries into the laser.
2. Mount the laser on a tripod or other stable mounting surface in either the horizontal or vertical position.
3. For horizontal operation, unlock the pendulum and press . The laser will self-level and rotate. If the laser is out of its self-leveling range, it will stop rotating and beep. **NOTE: The laser will NOT operate in the horizontal position if the pendulum lock is engaged. To disengage it, rotate the knob counterclockwise.**
4. For vertical operation, keep the pendulum in the locked position and adjust the manual leveling foot until the level vial indicates that the laser is level, then power on the laser by pressing .
5. Adjust your rotational speed by pressing  or . High speeds are recommended for use with a laser detector; low speeds improve visibility when working indoors without a detector.
6. When finished, power off the laser by pressing  and ensure the pendulum lock is engaged.

## SCAN MODE

Scan mode simulates a laser line or dot laser; it is especially useful when working indoors without a detector, since it makes the beam more visible to the naked eye.

To enable scan mode:

1. With the laser powered on, press .
2. Repeated presses of  will change the beam angle (narrow/wide/dot). The narrower the angle, the more visible your laser beam will be when not using a detector.
3. The position of the laser beam can be rotated by using  and .
4. Return to normal rotation by pressing .

## USING THE REMOTE CONTROL

Models 40-6532, 40-6539 and 40-6543 come equipped with an infrared remote control to operate your laser from a distance.

1. NOTE: The laser must be initially powered on using the laser's control panel. After 30 minutes of inactivity, the laser will stop receiving remote signals. Power it on again from the laser's panel by pressing .
2. Position the remote within 200' of the laser. The laser has infrared receivers on all four sides for convenience.
3. The buttons on the remote are identical to the buttons on the laser. Aside from the initial power-on, operation via the remote is identical to operation via the laser's operation panel.

## USING THE PENDULUM LOCK

The pendulum lock is located on the left side of the laser. Rotate it clockwise to lock the pendulum (for transport or vertical operation) or counterclockwise to unlock the pendulum (for horizontal operation).



- LOCK the pendulum for transportation and vertical operation.
- UNLOCK the pendulum for horizontal operation.
- Note that UNLOCKED is also called "ON," indicating the laser can be powered on in horizontal operating mode.



## USING THE LASER DETECTOR

Laser detectors locate the laser beam when you otherwise can't see it with your naked eye, such as when working outdoors, in high ambient light and over long distances.

Model 40-6532 includes Johnson's 40-6715 detector, and models 40-6539 and 99-027K include Johnson's 40-6700 detector. These three models are also compatible with Johnson's accessory detectors such as the model 40-6791 machine mounted detector for mounting to skid steers, excavators and other similar equipment.

The green laser 40-6543 is only compatible with Johnson's 40-6763 green laser detector.

### HOW TO USE THE LASER DETECTOR

1. Specifics and features vary slightly by model - consult your manual for the details on your detector.
2. Power on/off the detector by pressing .
3. Adjust the volume by pressing .
4. Adjust the accuracy by pressing . Higher accuracy is better for critical work. Lower accuracy is better for rough work or for more quickly locating the grade position.
5. Pass the detector window through the beam. The detector will beep (if volume is on), and the LCD arrow will indicate the direction to move the detector.
6. When the detector is on grade, the beep will become a solid tone, and the LCD arrow will become a solid line in the center of the LCD at the height of the beam.



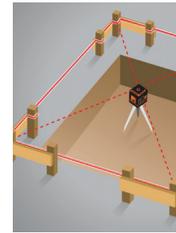
40-6700



40-6715/40-6763

## COMMON APPLICATIONS

Your new rotary laser is a versatile tool. You will constantly find new uses around your jobsite where a rotary will help you complete your work faster, safer and smarter. Complete large leveling tasks with ease, and complete layout work in record time.



### FENCING, POST SETTING & EXCAVATION

Set common fence post heights, determine excavation depth and complete square alignment work using the laser's 90° split beam.



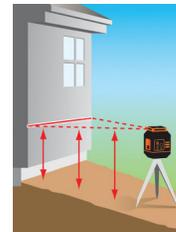
### DROP CEILINGS

Rotary lasers are the perfect tool for drop ceilings. Mount a rotary just below your ceiling, and use a magnetic laser target to find the beam.



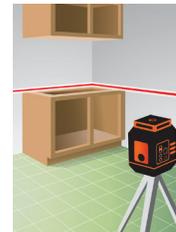
### PLUMB & ALIGN WALLS

Use the 90° split beam to lay out walls at perfect right angles. Use the rotary in vertical mode to plumb walls or set top and bottom drywall track.



### GRADING

The conventional use for rotary lasers, you can easily level or slope large areas of land for proper drainage. Pair with a grade rod and a detector, or use a machine mounted detector to simplify large grading jobs.



### CABINETS, WAINSCOTING & FINISH WORK

Use the laser to lay out kitchen cabinets (both horizontal and vertical alignment), shelving, wainscoting, chair rails and more. You can also install tile on walls and floors, and transfer layout lines from floor to ceiling.

