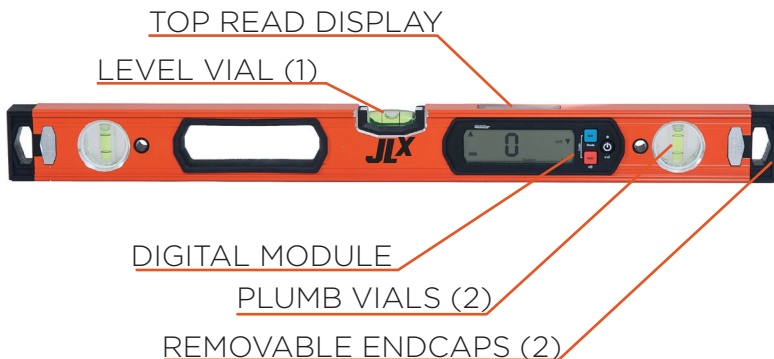# JLX®

5700D Digital Level Quick Start Guide

Thank you for purchasing this JLX Series Digital Level. Johnson's JLX Series products are designed for professional applications and are engineered to help you work faster and more accurately.
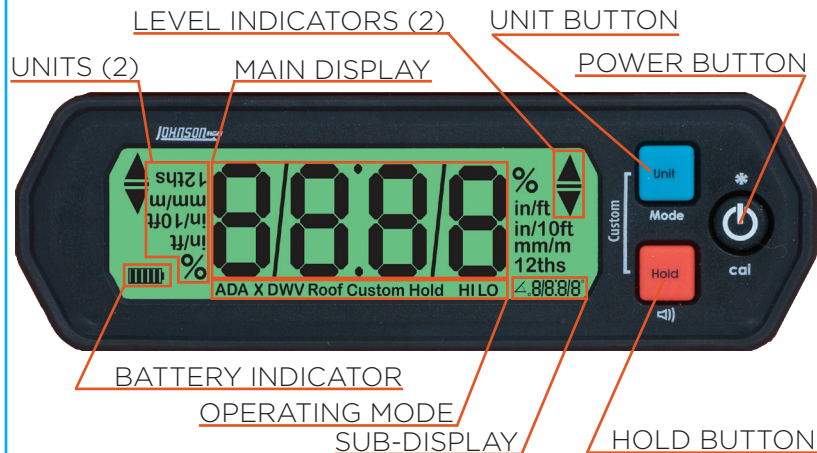
Key Features:
- Pre-programmed ADA compliance and drainage modes
- +/- 0.05° accuracy at 0°/90°, +/- 0.1° at other angles
- Temperature compensation to ensure accuracy to 0.15°
- IP65 construction - dustproof and waterproof
- Programmable operation modes

LEVEL FEATURES

TOP READ DISPLAY
LEVEL VIAL (1)

JLX

DIGITAL MODULE
PLUMB VIALS (2)
REMOVABLE ENDCAPS (2)

MODULE FEATURES

LEVEL INDICATORS (2)
UNIT BUTTON
UNITS (2)
MAIN DISPLAY
POWER BUTTON

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ADA X DWV Roof Custom Hold   HI LO

BATTERY INDICATOR
OPERATING MODE
SUB-DISPLAY
HOLD BUTTON

POWER BUTTON: Press to power on. Press while on to enable backlight. Hold to enter calibration mode.

Unit UNIT BUTTON: Press to toggle units (in/ft, °, %, etc.). Hold to toggle operating modes (ADA, DWV, etc.).

Hold HOLD BUTTON: Press to hold measurement. Press again to swap main/sub display. Hold to toggle audio.

GETTING STARTED

1. Power on the digital level by pressing ⏻.
2. Set your operating units by pressing Unit until the desired unit is displayed. The level will automatically start in the last operating unit used. Options include:
   - Degrees
   - % grade
   - in/ft (decimal and fraction)
   - in/10ft (decimal and fraction)
   - mm/m
3. Set your operating mode by holding Unit until the desired mode is enabled. See "CHANGING OPERATING MODES". The level will automatically power up in the last mode used.
4. Enable the backlight by pressing ⏻. Tap ⏻ again to increase the backlight intensity. See your manual for instructions on how to change the backlight timer.
5. Change the volume by holding Hold for 3 seconds. the level will scroll through audio $HI/LO/OFF$.
6. To freeze a measurement on the LCD, press Hold. Press Hold again to transfer the held value to the sub-display.
7. To perform a factory reset of the digital level, hold ⏻, Hold and Unit for 10 seconds (while power is on).

CALIBRATING THE DIGITAL LEVEL

This digital level is a precision instrument. Calibration is recommended before each use.

NOTE: To ensure +/-0.05° accuracy, calibrate at the usage temperature. Calibration at other temperatures ensures +/-0.15° accuracy.

To calibrate the digital level:

1. Place the digital level on a flat surface within 3° of level.
2. With the power off, press and hold ⏻ until "$CAL\ 1$" appears on the display.
3. Hold the level steady and press ⏻ to store the first calibration point. "$CAL\ 2$" will appear when complete.
4. Rotate the level 180° as shown below and press ⏻ to store the second calibration point. The LCD will indicate "rdy" when calibration is complete.

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CAL POSITION 1   180°   CAL POSITION 2

LEVEL UP.®

CHANGING OPERATING MODES

This level features pre-programmed operating modes to help you complete the most common work more quickly.

To cycle through the operating modes, press and hold **Unit**.

Modes include:

- **ADA:** ADA mode is designed for checking ramp angles for ADA compliance. A value of 1:12 is pre-programmed into the level for this mode. **HINT**: For non-standard ramp angles, use Custom mode.
- **ADA-X:** ADA-Cross mode is designed for checking the cross-angle of a ramp (the slope perpendicular to the direction of ramp travel). A value of 1:50 is preprogrammed into the level for this mode.
- **DWV:** Drain/Waste/Vent mode is designed for setting proper drainage slope of piping and is set to 1/4" per foot by default.
- **Roof Pitch:** Roof Pitch mode will automatically set the level to read in twelfths (i.e., 1/12 = 1 inch per foot) as is customary for roofing applications.
- **22.5°/ 45°/ Custom:** See "CUSTOM PROGRAMMING". The level can be set to any desired unit and the tolerances programmed to any value. Pre-programmed values of 22.5° and 45° are included.

CUSTOM PROGRAMMING & FACTORY RESET

If the preprogrammed ADA or DWV modes do not meet your needs (for example, if you have a local code requirement), you can set the custom setpoint as needed.

1. Hold **Unit** until you enter the Custom operating mode.
2. Simultaneously press **Unit** and **Hold** to enter the custom setpoint sub-menu.
3. Hold **Unit** to set the alarm mode to *HI*, *LO*, or *HI/LO*.
4. Tap **Hold** to select the mode and adjust setpoints.
5. Tap **Hold** to increment each decimal position. Tap **Unit** to advance to the next decimal position.

NOTE: Your operator's manual contains full instructions on how to program the custom setpoint and alarms.

DISCLAIMER

Know your codes! The pre-programmed modes set for this level may differ from your specific jobsite requirements. You are responsible for adherence to all federal, state and local building codes.

Johnson Level & Tool Mfg. Co., Inc. assumes no responsibility for misapplication of this digital level on your jobsite due to improper use of the pre-programmed modes.

REMOVING ENDCAPS

This level also makes an excellent carpenter's level, making it the only level you'll need on your jobsite.

This level features removable endcaps, designed to let you place the level tightly into a corner and scribe one continuous plumb or level line from the corner out.

To remove the endcaps, depress **PRESS TO UNLOCK** and slide the endcap off the level. To replace the endcap, reverse this procedure.

NOTE: When used as a spirit level, this level's accuracy is 0.028° (0.5mm/m) in both normal and inverted positions.

APPLICATIONS

Digital levels work great as a do-it-all level. Ideal for plumb, level and anything in between, these levels can tackle tough jobs like:

ADA-COMPLIANT RAMPS - Set ramp angles and cross angles precisely and with ease.

DRAINAGE SLOPE - Set drainpipe angles for proper slope to ensure adequate effluent removal from your piping systems.

ROOF PITCH - Quickly measure slope of any surface, including roof pitches, directly in 12ths.

RELATIVE ANGLES - Calculate relative angles with ease using the hold feature. Join conduit, piping and more at any desired angle.

GENERAL CARPENTRY - While this level is generally used in slope applications, its level vials also make it suitable for carpentry use.

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