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› JolyWell Laser Tape Measure 2-in-1 User Manual

JolyWell JW-MT001

JolyWell Laser Tape Measure 2-in-1

USER INSTRUCTION MANUAL

Model: JW-MT001

1. Introduction

Thank you for choosing the JolyWell Laser Tape Measure 2-in-1. This device combines the precision of a laser distance meter with the convenience of a traditional retractable tape measure, offering versatile measurement capabilities for various applications, including DIY projects, construction, and home improvements. This manual provides essential information for safe and effective use of your new tool.



Image: The JolyWell Laser Tape Measure 2-in-1, showcasing its compact design, LCD display, control buttons, laser emitter, and the retractable tape measure with a magnetic hook. A USB-C charging cable is also visible.

2. Safety Information

Please read and understand all safety instructions before operating this device. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

- **Laser Safety:** This product is a Class 2 laser product. Do not stare directly into the laser beam. Avoid direct eye exposure.
- **Battery Safety:** The device contains a built-in rechargeable lithium battery. Do not disassemble, puncture, or expose the battery to extreme temperatures or fire. Use only the provided charging cable or a compatible USB-C charger.
- **Operating Environment:** Do not operate the device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep the device dry and clean.
- **Maintenance:** Do not attempt to repair or modify the device yourself. Refer all servicing to qualified personnel.

3. Setup

3.1 Charging the Device

The JolyWell Laser Tape Measure is equipped with a built-in rechargeable lithium battery. Before first use, fully charge the device.

1. Locate the USB-C charging port on the device.
2. Connect the provided USB-C cable to the device and the other end to a standard USB power adapter (not included) or a computer USB port.
3. The battery indicator on the LCD display will show charging status. The device is fully charged when the battery icon shows full.

3.2 Power On/Off

- To power on: Press the **READ** button.
- To power off: Press and hold the **OFF/CLEAR** button for a few seconds until the display turns off. The device will also automatically power off after a period of inactivity to conserve battery.

3.3 Unit Switching

You can switch between different measurement units (meters, inches, feet).

Settings MODE



①. In shutdown state, press and hold READ for 5 seconds to display "CRL" - enter settings mode, you can calibrate the value from -7 to 7mm



②. unit switch - - continue to press and hold for 3 sec to enter into "unit switch mode" from "CRL"



③. Turn off sound - continue to press and hold for 3 sec to enter into "BP"



④. Battery life 8000 measurements
--Standby for 1 month without operation
--USB charging

Image: A visual guide demonstrating how to access the settings mode and switch measurement units (meters, inches, feet) by pressing and holding the READ button for 5 seconds, then short pressing READ to cycle through options.

1. Ensure the device is powered off.
2. Press and hold the **READ** button for 5 seconds until "CRL" is displayed on the LCD screen. This enters the settings mode.
3. Short press the **READ** button to cycle through the unit options (m, in, ft).
4. Once your desired unit is displayed, continue to press and hold the **READ** button for 3 seconds to confirm and exit unit switching.

3.4 Measurement Baseline Setting

The laser measure can take measurements from either the front or the rear of the device.

Measurement Baseline

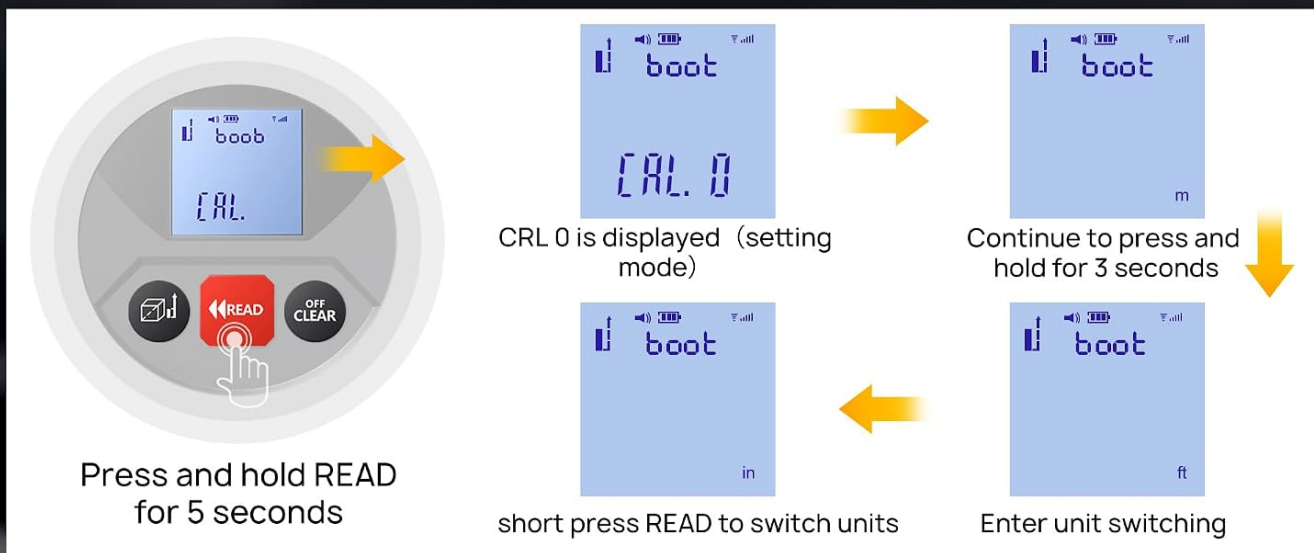
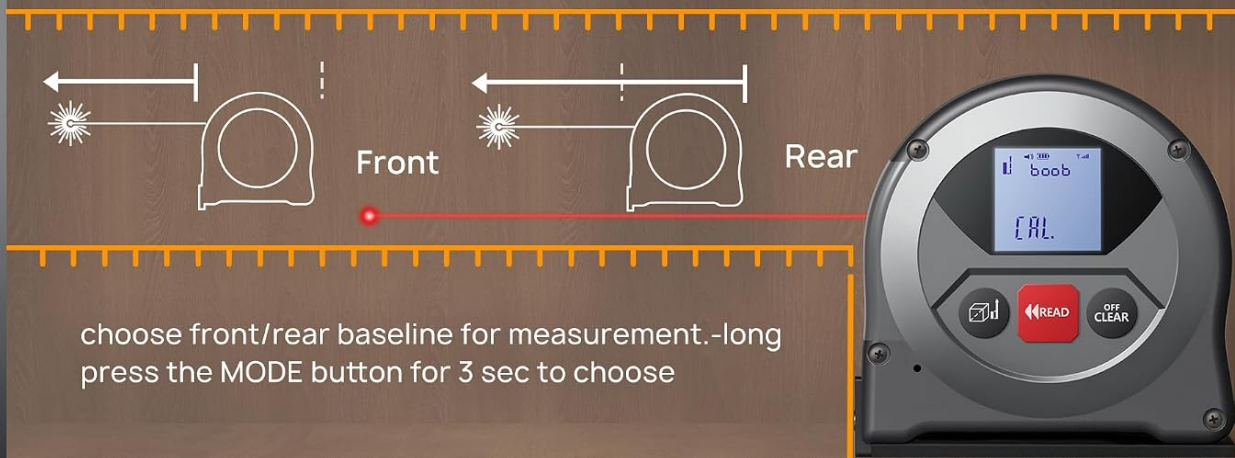


Image: An illustration depicting the two measurement baseline options: 'Front' (measuring from the front edge of the device) and 'Rear' (measuring from the back edge of the device). The diagram shows how to select the baseline.

1. Long press the **MODE** button for 3 seconds to toggle between front and rear baseline.
2. An icon on the LCD display will indicate the currently selected baseline.

4. Operating Instructions

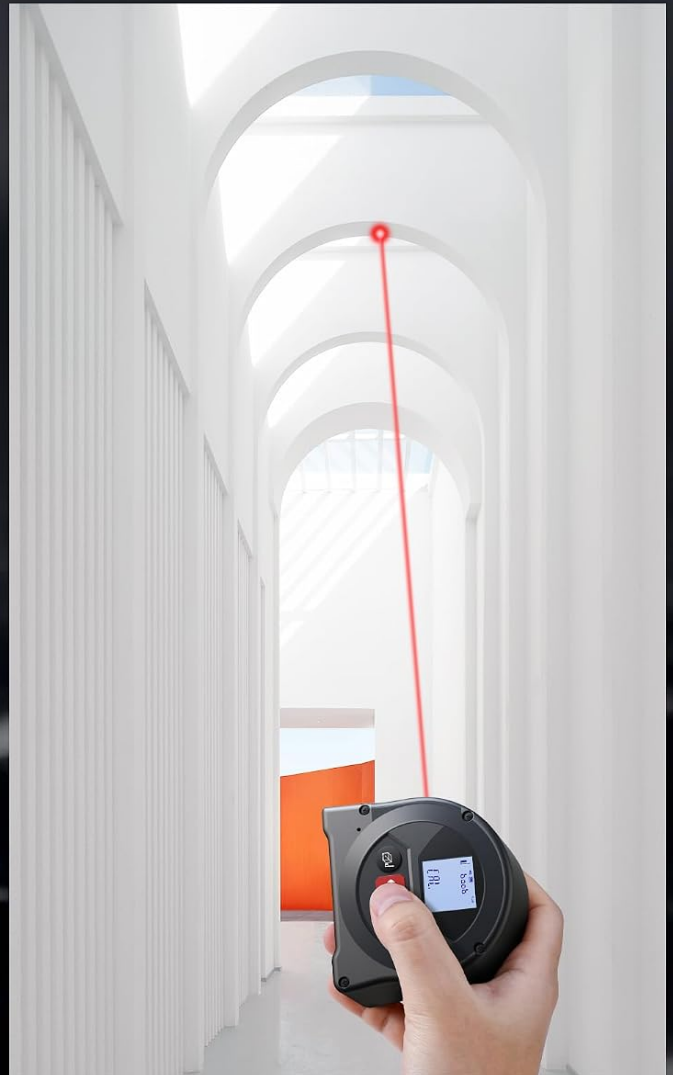
4.1 Using the Tape Measure

The integrated tape measure extends up to 16 feet (5 meters) and features a movable magnetic hook for accurate external and internal measurements. The tape automatically locks in place when extended and retracts smoothly with the press of the retract button.

2-IN-1 LASER TAPE MEASURE



Short-distance measure-**16ft/5M**



Long-distance measure-**165FT/50M**

Image: A split image demonstrating the two measurement methods: the retractable tape measure for short distances (up to 16ft/5M) and the laser measure for long distances (up to 165ft/50M).

- Pull the tape measure out to the desired length. It will automatically lock.
- To retract, press the red button located on the side of the device.
- The magnetic hook can be attached to metal surfaces for stability or used to hook onto edges. The hook is designed to adjust for true zero point measurements.

4.2 Using the Laser Measure

The laser measure provides precise digital measurements up to 165 feet (50 meters).

1. Ensure the device is powered on.
2. Point the laser emitter towards the target surface.
3. Press the **READ** button once to activate the laser.
4. Press the **READ** button again to take a measurement. The result will be displayed on the LCD screen.

4.3 Measurement Modes

The device supports various measurement modes for different applications. Press the **MODE** button to cycle through the available modes.

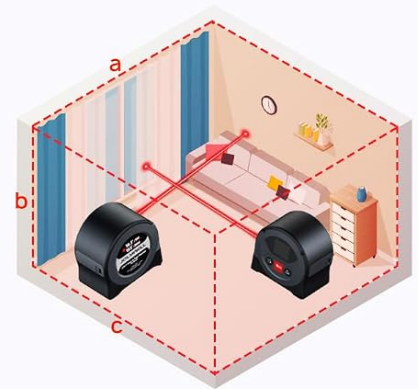
DIFFERENT MEASUREMENT MODES



1. Direct measure



2. Area



3. Volume



4. Pythagorean - 2point



5. Pythagorean - 3point



6. Continuous Measure -
MAX/MIN value

Image: A grid of six diagrams explaining the different measurement modes: 1. Direct measure, 2. Area calculation, 3. Volume calculation, 4. Pythagorean 2-point, 5. Pythagorean 3-point, and 6. Continuous measurement (MAX/MIN value).

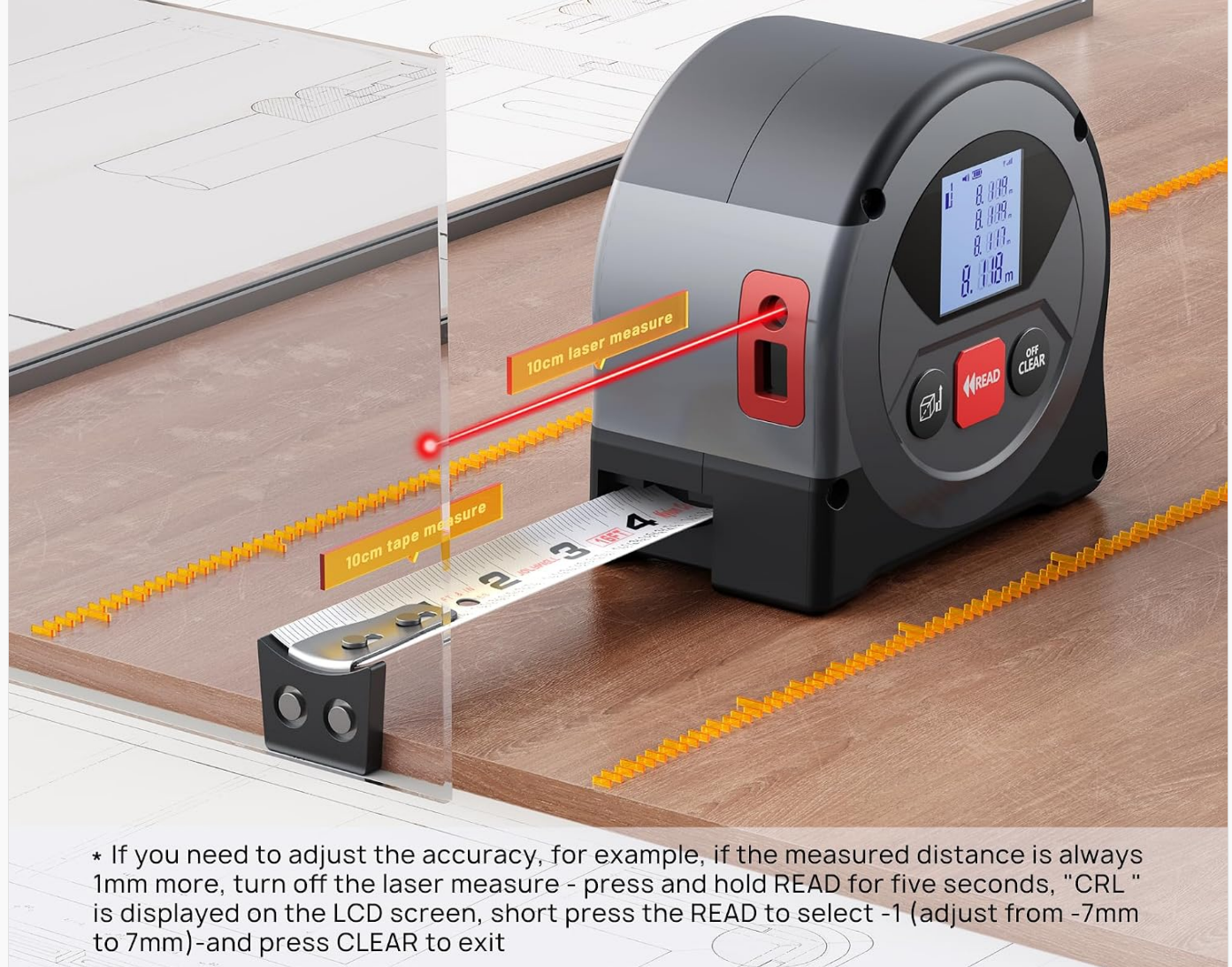
- **Direct Measurement:** Measures the straight-line distance between two points.
- **Area Measurement:** Calculates the area of a rectangular space. Take two consecutive direct measurements (length and width).
- **Volume Measurement:** Calculates the volume of a space. Take three consecutive direct measurements (length, width, and height).
- **Pythagorean Measurement (2-point):** Calculates an unknown side of a right-angle triangle using two measured sides. Useful for indirect height or length measurements.
- **Pythagorean Measurement (3-point):** Calculates an unknown side using three measured points, often for more complex indirect measurements.
- **Continuous Measurement (MAX/MIN):** Continuously measures and displays the current distance, along with the maximum and minimum distances recorded during the continuous scan.

4.4 Self-Calibration / Accuracy Check

The device allows for accuracy adjustment if needed.

SELF-CALIBRATION

Accuracy check - Use the tape ruler to measure a distance of 1m, and use the laser to measure this distance 10 times. If the error is within $\pm 1\text{mm}$, no problem.



* If you need to adjust the accuracy, for example, if the measured distance is always 1mm more, turn off the laser measure - press and hold READ for five seconds, "CRL " is displayed on the LCD screen, short press the READ to select -1 (adjust from -7mm to 7mm)-and press CLEAR to exit

Image: An illustration demonstrating the self-calibration process. It suggests measuring a 1-meter distance with both the tape and laser, then adjusting the laser if the error exceeds $\pm 1\text{mm}$. Instructions for entering calibration mode are provided.

1. To check accuracy, measure a known distance (e.g., 1 meter) using both the tape measure and the laser measure. If the difference is within $\pm 1\text{mm}$, no adjustment is needed.
2. If adjustment is required, turn off the laser measure.
3. Press and hold the **READ** button for five seconds until "CRL" is displayed on the LCD screen.
4. Short press the **READ** button to select the adjustment value (from -7mm to +7mm).
5. Press and hold the **READ** button for 3 seconds to save the setting and exit.

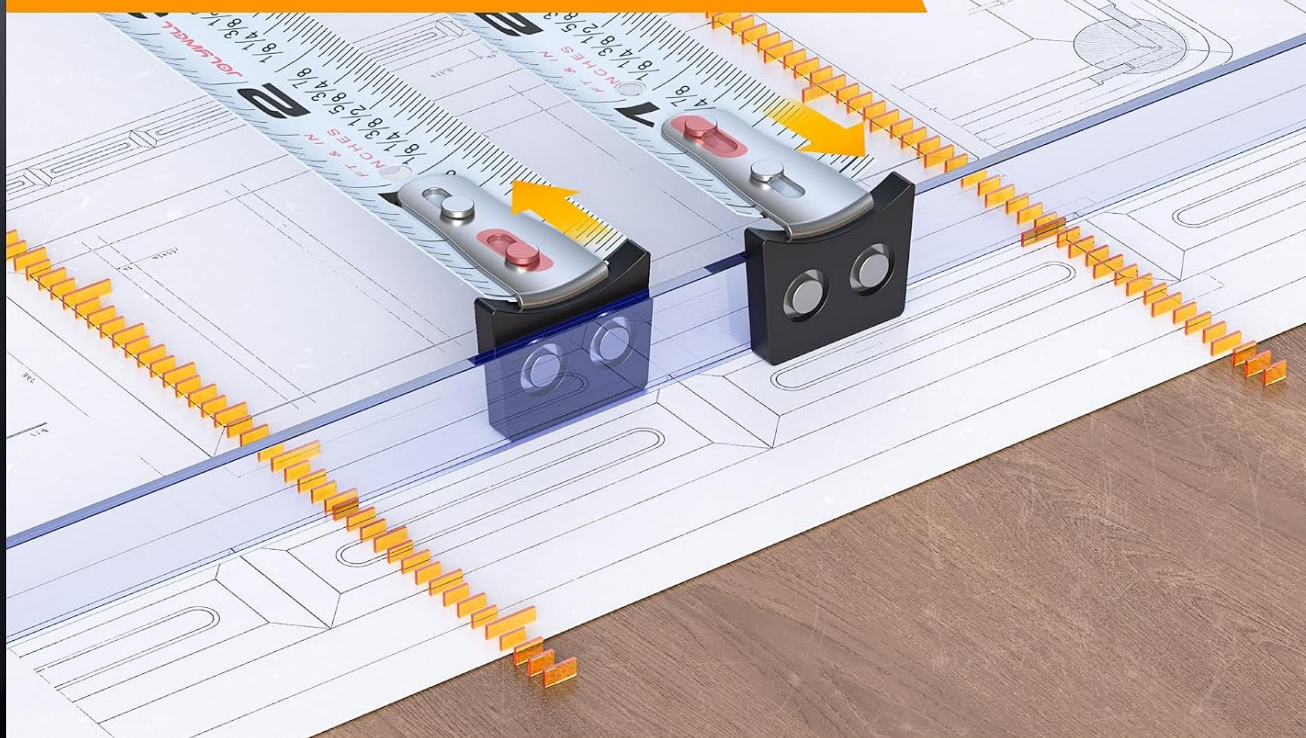
5. Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the laser lens

and display are clean for accurate readings.

- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, charge the device regularly and avoid fully discharging it for extended periods. If storing for a long time, charge it to about 50% every few months.
- **Tape Measure Care:** Keep the tape blade clean and free of debris. Do not force the tape retraction.

Removable Hook: Adjustable True-Zero Point



Magnetic tape head



Soft rubber protection



Retract Button-auto-lock

Image: Detailed views of key features: the magnetic tape head, soft rubber protection around the device for durability, and the auto-lock retract button for the tape measure.

6. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.

Problem	Possible Cause	Solution
Inaccurate laser measurements.	Laser lens is dirty; Incorrect baseline setting; Device needs calibration.	Clean the laser lens; Check and adjust baseline setting; Perform self-calibration (refer to Section 4.4).
Laser beam is not visible.	Bright ambient light; Laser not activated.	Use in lower light conditions if possible; Press the READ button to activate the laser.
Tape measure does not retract smoothly.	Debris in mechanism; Tape is twisted.	Gently clean the tape and housing; Ensure tape is not twisted before retracting.
LCD display is blank or flickering.	Low battery; Device malfunction.	Charge the device; If problem persists, contact customer support.

7. Specifications

Feature	Specification
Model Number	JW-MT001
Laser Measure Range	Up to 165 ft (50 m)
Tape Measure Length	16 ft (5 m)
Measurement Accuracy	+/-0.5%
Battery Type	Rechargeable Lithium Ion
Product Dimensions	3.15"L x 1.77"W x 0.1"H (approx.)
Item Weight	0.71 ounces (20 Grams)
Color	Black

8. Warranty and Support

JolyWell products are manufactured to high-quality standards. This product comes with a limited warranty against defects in materials and workmanship. For detailed warranty information, technical support, or service inquiries, please contact JolyWell customer support through the retailer's platform or the official JolyWell website. Please have your model number (JW-MT001) and purchase information ready when contacting support.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question