DeWin JQ40

DeWin JQ40 Mini Portable Digital Laser Distance Meter 40M User Manual

Model: JQ40

1. Introduction

Thank you for choosing the DeWin JQ40 Mini Portable Digital Laser Distance Meter. This device is designed for accurate and efficient distance, area, and volume measurements. Please read this manual carefully before using the product to ensure safe and correct operation. Keep this manual for future reference.

2. Safety Information

Laser Radiation: This device emits Class 2 laser radiation. Do not stare into the laser beam or direct it at other people or animals. Avoid direct eye exposure.
General Precautions:

- Do not attempt to modify or disassemble the device.
- Keep the device away from children.
- Do not use the device in explosive environments or near flammable materials.
- Protect the device from extreme temperatures, moisture, and strong vibrations.

3. Package Contents

Verify that all items are present in the package:

- 1 x DeWin JQ40 Laser Distance Meter
- 1 x User Manual
- 1 x USB Charging Cable
- 1 x Lanyard



Image 3.1: DeWin JQ40 Laser Distance Meter, USB cable, and lanyard.

4. Product Overview

4.1. Device Components



Image 4.1: Front view of the JQ40 with button labels.

4.2. Button Functions



Image 4.2: Detailed button function diagram.

- **ON / Measure Button:** Powers on the device, initiates single measurement.
- **C / OFF Button:** Powers off the device, clears current measurement, or cancels an operation.
- **± / U Button:** Switches between measurement units (meter/foot/inch), adds/subtracts measurements.
- **Arrow Left Button:** Selects measurement modes (distance, area, volume, Pythagorean).
- **Benchmark Switch Button:** Changes the measurement reference point (front or rear of the device).

4.3. Screen Display

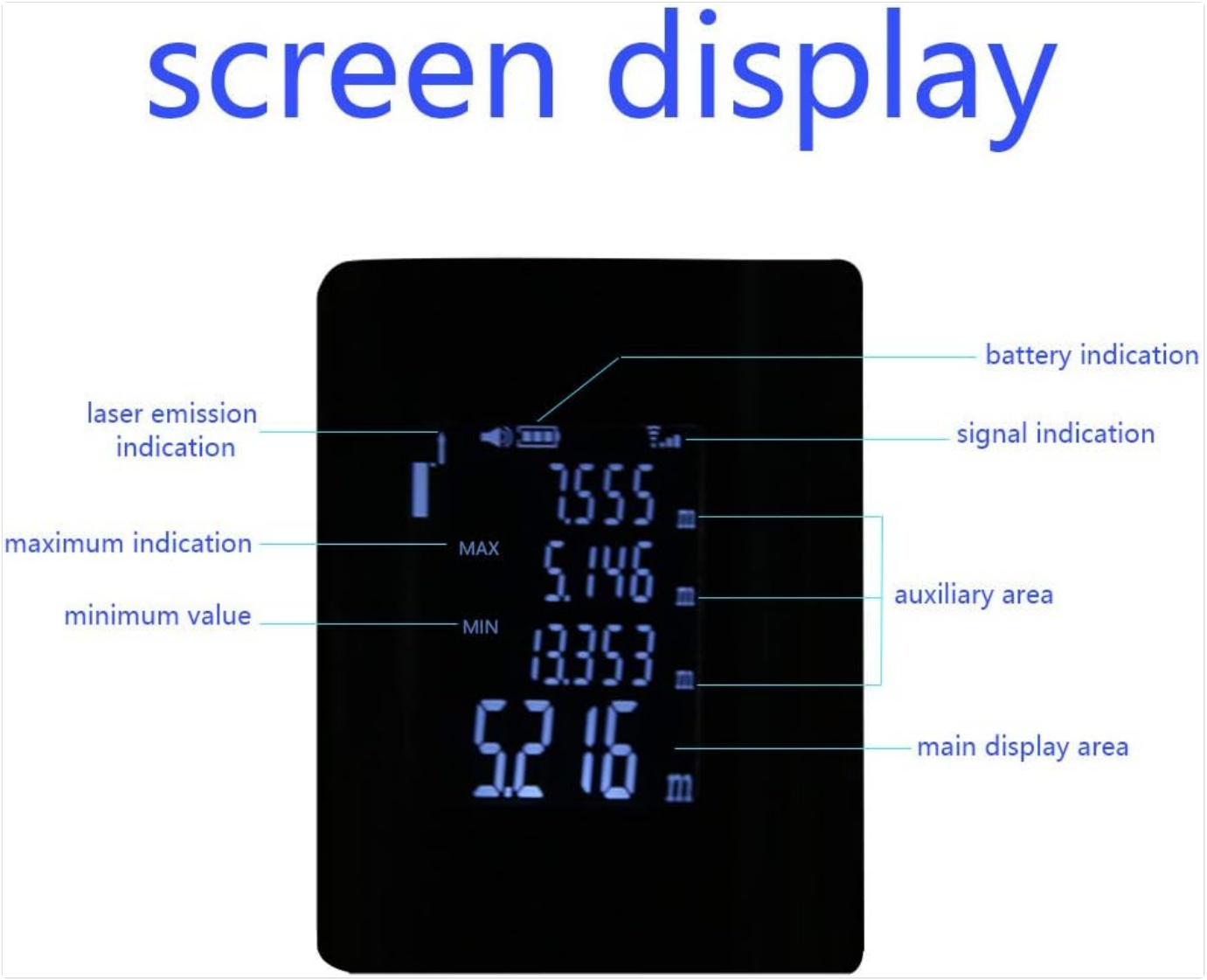


Image 4.3: Screen display indicators.



Image 4.4: Illuminated screen display.

- **Battery Indication:** Shows current battery level.
- **Signal Indication:** Indicates laser signal strength.
- **Laser Emission Indication:** Shows when the laser is active.
- **Maximum/Minimum Indication:** Displays max/min values in continuous measurement mode.
- **Auxiliary Area:** Displays previous measurements or calculated values.
- **Main Display Area:** Shows the current measurement result.

5. Setup

5.1. Charging the Battery

The JQ40 is equipped with a 200mAh Li-ion battery. Before first use, fully charge the device.

1. Connect the included USB charging cable to the device's charging port.
2. Connect the other end of the USB cable to a standard USB power adapter (not included) or a computer's USB port.
3. The battery indicator on the screen will show charging status. A full charge takes approximately 30 minutes and allows for up to 2000 measurements.



Image 5.1: USB charging cable and lanyard.

5.2. Power On/Off

- **Power On:** Press the **ON** button. The screen will light up.
- **Power Off:** Press and hold the **C/OFF** button for a few seconds. The device will also automatically power off after a period of inactivity to save battery.

6. Operating Modes

Press the **Arrow Left** button to cycle through different measurement modes.

6.1. Single Distance Measurement

1. Power on the device.
2. Ensure the device is in single distance measurement mode (usually the default).
3. Point the laser at the target.
4. Press the **ON** button to emit the laser and take a measurement. The result will be displayed on the main screen.

6.2. Continuous Measurement (Tracking)

1. Press the **Arrow Left** button until the continuous measurement icon appears.
2. Press the **ON** button. The device will continuously measure the distance, displaying real-time values, along with maximum and minimum distances.
3. Press the **ON** button again to stop continuous measurement.

6.3. Area Measurement

1. Press the **Arrow Left** button until the area measurement icon appears.
2. Measure the first side (e.g., length) by pointing the laser and pressing**ON**.
3. Measure the second side (e.g., width) by pointing the laser and pressing**ON**.
4. The device will automatically calculate and display the area.

6.4. Volume Measurement

1. Press the **Arrow Left** button until the volume measurement icon appears.
2. Measure the length, then the width, and finally the height, pressing**ON** after each measurement.
3. The device will automatically calculate and display the volume.

6.5. Pythagorean Measurement

This mode allows indirect measurement of height or distance using the Pythagorean theorem.

1. Press the **Arrow Left** button until the Pythagorean measurement icon appears.
2. Follow the on-screen prompts to measure the required sides (hypotenuse and one leg) by pointing the laser and pressing **ON** for each.
3. The device will calculate and display the unknown side.

7. Settings and Features

7.1. Unit Conversion

Press the **± / U** button to cycle through measurement units: meters (m), feet (ft), and inches (in). The device will retain your last selected unit.

7.2. Measurement Benchmark

Press the **Benchmark Switch** button to change the reference point for measurements. You can choose between measuring from the front edge or the rear edge of the device.

7.3. Data Storage

The device is designed for reasonable data storage, making it convenient to access and recall previous measurements.



Image 7.1: Data storage feature.

7.4. Auto-Calibration

The JQ40 features auto-calibration for consistent accuracy.

7.5. Buzz Indication

The device provides an audible buzz indication for operations and measurements.

8. Maintenance

8.1. Cleaning

- Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the laser lens carefully with a soft cloth, similar to cleaning camera lenses.

8.2. Storage

- Store the device in a dry, cool place, away from direct sunlight and extreme temperatures.
- The recommended storage temperature is -25℃ to 60℃ (-13°F to 140°F).

8.3. Water and Dust Resistance

The JQ40 has an IP54 rating, meaning it is resistant to splashing water and dust. This allows for use in various construction environments, protecting electronic components from corrosion damage.



Image 8.1: IP54 water and dust resistance.

9. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the USB cable.
Inaccurate measurements.	Laser lens is dirty; incorrect benchmark setting; target surface is too reflective/absorbent.	Clean the laser lens; check benchmark setting; use a target plate for difficult surfaces.
Laser not visible.	Bright ambient light.	Use in lower light conditions or closer to the target.
No buzz sound.	Sound function might be off.	Refer to the button functions to enable sound.

10. Specifications

Feature	Specification
Model	JQ40
Measurement Range	0.05m - 40m (0.16ft - 131ft)
Measurement Accuracy	±2mm (±0.08in)
Measurement Modes	Distance, Area, Volume, Pythagorean, Continuous
Units of Measurement	Meter (m), Foot (ft), Inch (in)
Auto-Calibration	Yes
Battery Type	200mAh Li-ion Battery
Measurements per Charge	Approx. 2000 times
Charging Time	Approx. 0.5 hours
Buzz Indication	Yes
Storage Temperature	-25°C to 60°C (-13°F to 140°F)
Operating Temperature	0°C to 40°C (32°F to 104°F)
IP Rating	IP54 (Dust and splash water resistant)
Material	ABS
Dimensions (L x W x H)	Approx. 10 x 10 x 10 cm (Product dimensions from JSON are generic, using a placeholder for actual device size)
Weight	Approx. 100g

11. Warranty and Support

Specific warranty information is not provided in the product details. For warranty claims or technical support, please refer to the retailer or manufacturer's official website where you purchased the DeWin JQ40 Laser Distance Meter.

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Ask a question about this manual

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.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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