MiLESEEY M120

MiLESEEY M120 Laser Measure Instruction Manual

Mini Portable Laser Measurement Tool

1. Introduction

The MiLESEEY M120 is a compact and versatile laser distance meter designed for quick and accurate measurements. Its mini size and durable alloy housing make it highly portable and robust. This manual provides detailed instructions for setting up, operating, and maintaining your M120 laser measure, ensuring optimal performance and longevity.



Image: MiLESEEY M120 Laser Measure, showcasing its sleek, compact design and clear display.

2. Safety Information

Please read all safety instructions carefully before using the device. Failure to follow these instructions may result in laser exposure, electric shock, fire, or serious injury.

- **Laser Class:** This device uses a Class II laser.
- **Laser Type:** 635nm <1mW.
- **Avoid Direct Eye Exposure:** Do not stare directly into the laser beam or view it directly with optical instruments.
- **Children Safety:** Keep the device out of reach of children.
- **Operating Environment:** Use the device in a well-lit area and avoid pointing the laser at reflective surfaces that could cause the beam to reflect into your eyes or others'.
- **Maintenance:** Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.

3. Package Contents

Verify that all items are present in your package:

- 1 x MiLESEEY M120 Laser Measure
- 1 x User Manual
- 1 x USB Type-C Cable
- 1 x Pouch Bag
- 1 x Holding Rope



Image: All components included in the MiLESEEY M120 package, including the device, pouch, cable, and manual.

4. Product Features

- **Compact and Stylish Design:** Mini size with aluminum alloy + ABS housing for portability and durability.
- **Accurate and Reliable:** Advanced optical focusing lens ensures stability and measures distances up to 98 feet within 1/8 inch accuracy.
- **HD Display and Clear Reading:** Backlit LCD screen displays 3 sets of data simultaneously with vivid mode icons and large numbers.
- **Rechargeable Battery:** Built-in large capacity rechargeable lithium battery, powered via USB Type-C.
- **Diversified Measurement Modes:** Supports single distance, area, volume, and Pythagorean theorem calculations.
- **Unit Switching:** Easily switch between meters (m), inches (in), and feet (ft).
- **Waterproof and Dustproof:** IPX7 or IPX8 International Protection Rating for enhanced durability.

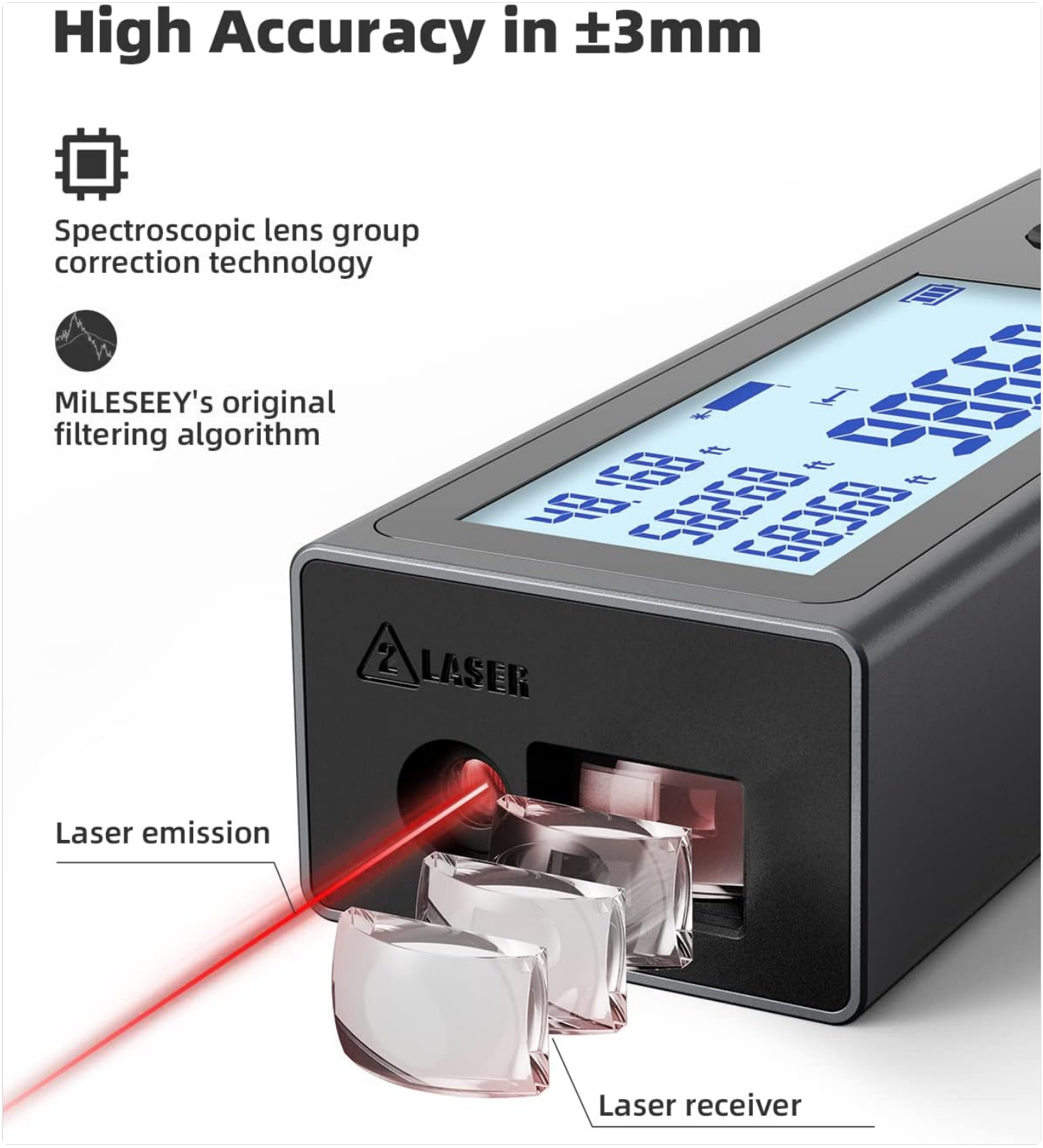


Image: Illustration of the M120's high accuracy with spectroscopic lens group correction technology and original filtering algorithm.



Image: Close-up of the M120's HD backlit display, showing clear readings and multiple data lines.

5. Setup

5.1 Charging the Battery

The MiLESEEY M120 is equipped with a rechargeable lithium battery. Before first use, ensure the device is fully charged.

1. Locate the USB Type-C charging port on the side of the device. It is protected by a sliding cover.

2. Connect the provided USB Type-C cable to the device.
3. Connect the other end of the USB cable to a power source (e.g., power bank, computer USB port, car charger, or DC plug adapter).
4. The battery indicator on the display will show charging status. A full charge provides up to 5 hours of standby time.



Image: The MiLESEEY M120 connected to a USB Type-C charger, illustrating its rechargeable battery feature.

5.2 Powering On/Off

- **Power On:** Long-press the main measurement button (with the laser icon) to turn on the device. The backlit display will illuminate.
- **Power Off:** Long-press the main measurement button again to turn off the device.

6. Operating Instructions

6.1 Basic Measurement (Single Distance)

1. Ensure the device is powered on.
2. Point the laser beam at the target surface.
3. Short-press the main measurement button (laser icon) once to activate the laser.
4. Short-press the main measurement button again to take the measurement. The result will be displayed on the screen.

6.2 Measurement Modes

The M120 offers multiple measurement modes. Press the "function key" (the button with four squares) to cycle through the modes.

- **Single Distance Measurement:** Measures the direct distance between two points.
- **Area Measurement:** Calculates the area by measuring two sides (length and width).
- **Volume Measurement:** Calculates the volume by measuring three sides (length, width, and height).
- **Pythagorean Mode (2-Point):** Calculates an unknown side of a right triangle using two measured sides.
- **Pythagorean Mode (3-Point):** Calculates an unknown side using three measurements, useful for indirect height or distance.



Image: Visual representation of the five different measurement modes available on the MiLESEEY M120: Single Distance, Area, Volume, Pythagorean (2-Point), and Pythagorean (3-Point).

6.3 Unit Switching

To switch between measurement units (meters, inches, feet), long-press the circular button (reference point button). The default unit after power on is "ft".

- **m:** Meters
- **in:** Inches (decimal or fractional)

- **ft:** Feet (decimal)
- **ft+in:** Feet and Inches (e.g., 5' 05 3/16")



Image: Diagram showing how to switch between different measurement units (m, ft, in, ft+in) on the M120 display.

6.4 Reference Point Selection

The M120 can measure from either its front or rear edge. Short-press the circular button (reference point button) to toggle between the front-based and rear-based modes. The default reference is the rear after power on.

- **Front-Based Mode:** Measurement starts from the front edge of the device.
- **Rear-Based Mode:** Measurement starts from the rear edge of the device (useful when placing the device against a wall).

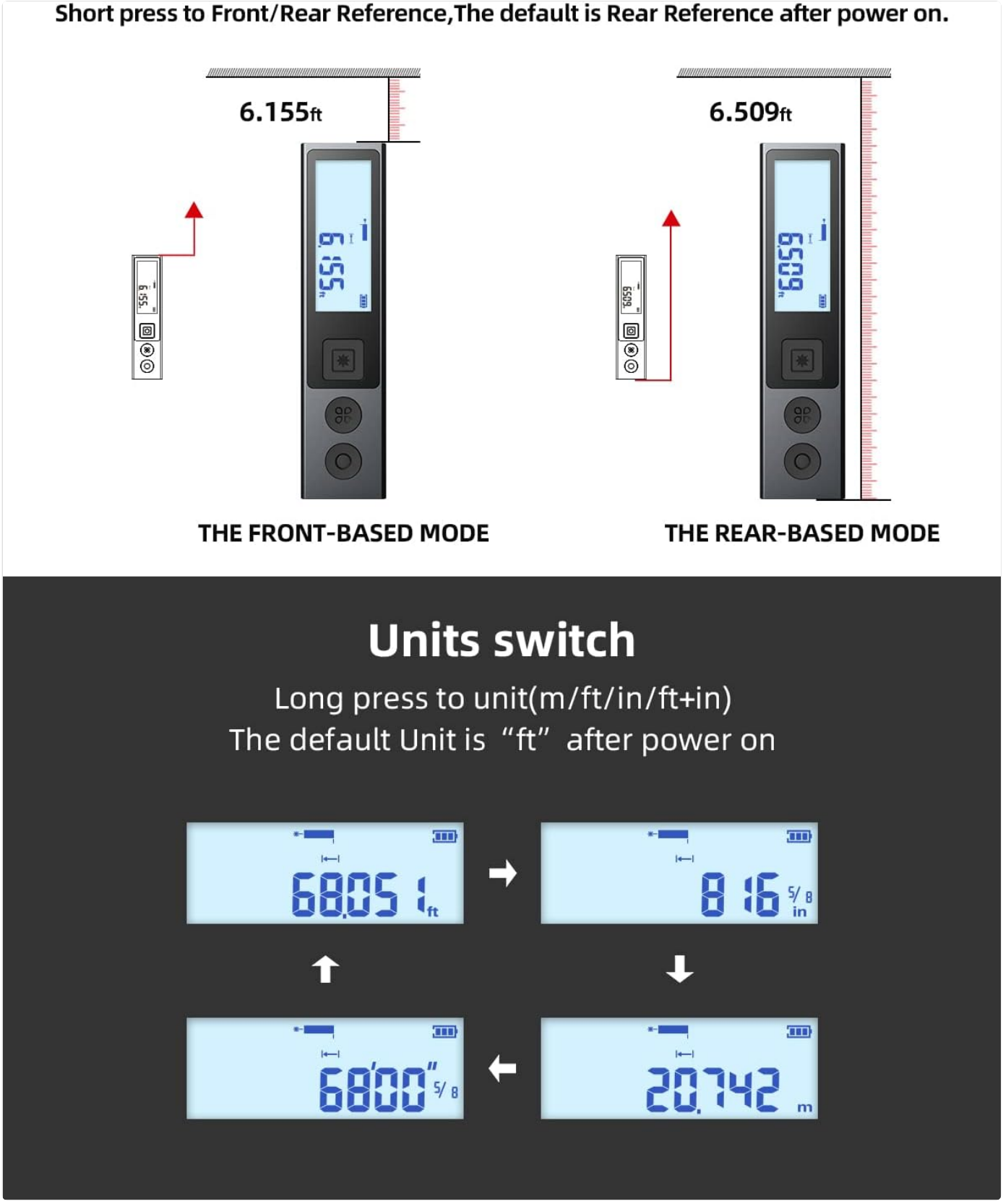


Image: Comparison of the front-based and rear-based measurement modes, illustrating how the device calculates distance from different reference points.

7. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in its pouch bag in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Battery Care:** Charge the battery regularly, even if not in frequent use, to maintain battery health.

- **Lens Care:** Keep the laser emission and reception lenses clean to ensure accurate measurements. Use a soft, lint-free cloth.

8. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery; incorrect power-on procedure.	Charge the device fully. Long-press the main measurement button to power on.
Inaccurate measurements.	Dirty lenses; unstable surface; incorrect reference point.	Clean the lenses. Ensure the device is stable. Verify the correct front/rear reference point is selected.
Laser beam not visible.	Bright ambient light; device not powered on.	Use in lower light conditions if possible. Ensure device is powered on and laser is activated.
Cannot switch units/modes.	Incorrect button press.	Refer to section 6.2 and 6.3 for correct button presses (short-press vs. long-press).

9. Specifications

Attribute	Detail
Brand	MiLESEEY
Model Number	M120
Measuring Range	98 feet (30 meters)
Accuracy	±1/8 inch (±3mm)
Laser Type	Class II, 635nm <1mW
Battery Type	Rechargeable Lithium-Ion
Charging Port	USB Type-C
Material	Aluminum, Acrylonitrile Butadiene Styrene (ABS)
Color	Silver
Item Weight	1.76 ounces (50 Grams)
Product Dimensions	1.02"L x 0.65"W x 4.25"H
International Protection Rating	IPX7 or IPX8 (Waterproof)

10. Warranty and Support

The MiLESEEY M120 Laser Measure comes with a **1-year warranty** from the date of purchase, covering manufacturing defects and workmanship.

For technical support, troubleshooting assistance, or warranty claims, please contact MiLESEEY customer service through their official website or the retailer where you purchased the product. Please have your model number (M120) and proof of purchase ready when contacting support.

For more information, visit the official MiLESEEY Store: MiLESEEY Store on Amazon

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

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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