

FAHEFANA 60M 196Ft USB Rechargeable Laser Distance Meter

FAHEFANA 60M 196Ft USB Rechargeable Laser Distance Meter User Manual

Model: 60M 196Ft USB Rechargeable Laser Distance Meter

Brand: FAHEFANA

1. INTRODUCTION

Thank you for choosing the FAHEFANA 60M 196Ft USB Rechargeable Laser Distance Meter. This device is designed for precise and rapid distance, area, and volume measurements, as well as indirect measurements using the Pythagorean theorem. It features a clear LCD backlit display and a mute function for quiet operation. Please read this manual carefully before using the device to ensure safe and optimal performance.

2. SAFETY INSTRUCTIONS

- **Laser Safety:** This device emits a Class 2 laser. Do not stare directly into the laser beam or direct it at other people or reflective surfaces.
- **Battery Safety:** The device contains a rechargeable lithium-ion battery. Do not disassemble, puncture, or expose the battery to extreme temperatures or fire. Use only the provided USB cable for charging.
- **Operating Environment:** Avoid using the device in extremely dusty, humid, or high-temperature environments. Protect the device from strong impacts.
- **Maintenance:** Do not attempt to repair or modify the device yourself. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your laser distance meter.



149.1 in
97.0 in
+ 177.8 in
1486.8 ft³

±/0

ON

C/OFF

Image showing the FAHEFANA laser distance meter, highlighting its LCD screen displaying measurements and the control panel with various function buttons.

3.1. Buttons and Functions

- **ON / Measure Button:** Powers on the device, activates the laser, and initiates measurements.
- **C / OFF Button:** Clears the current measurement or turns off the device (long press).
- **±/U Button:** Switches measurement units (e.g., meters, inches, feet) and performs addition/subtraction of measurements.
- **Reference Point Button:** Changes the measurement reference point (front or rear edge of the device).
- **Function Button (Rectangle Icon):** Selects area or volume measurement modes.
- **Function Button (Triangle/House Icon):** Selects Pythagorean measurement modes.
- **Mute Button (Speaker Icon):** Toggles sound on/off.

3.2. LCD Display Indicators

- **Battery Indicator:** Shows current battery level.
- **Signal Strength:** Indicates laser signal quality.
- **Measurement Reference:** Displays whether the measurement is taken from the front or rear of the device.
- **Unit Indicator:** Shows the currently selected unit (e.g., in, ft, m).
- **Measurement Values:** Displays current and previous measurement results.
- **Function Icons:** Indicates the active measurement mode (e.g., area, volume, Pythagorean).

4. SETUP

4.1. Charging the Device

1. Connect the provided 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 USB port.
3. The battery indicator on the LCD will show charging status. Charge until the indicator shows a full battery.

4.2. Powering On/Off

- **To Power On:** Press the **ON** button briefly. The LCD will light up.
- **To Power Off:** Press and hold the **C/OFF** button for approximately 2 seconds. The device will also automatically power off after 45 seconds of inactivity.

4.3. Unit Selection

To change the measurement unit (e.g., meters, inches, feet), briefly press the **±/U** button while the device is on and not in a measurement sequence. The unit displayed on the LCD will cycle through available options.

4.4. Measurement Reference Point

The device can measure from its front edge or its rear edge. Press the **Reference Point** button to toggle between these two options. An icon on the display will indicate the active reference point.

5. OPERATING INSTRUCTIONS

5.1. Single Distance Measurement

1. Power on the device.
2. Aim the laser at the target point.
3. Press the **ON** button once. The laser will activate.
4. Press the **ON** button again to take the measurement. The result will be displayed on the screen.

5.2. Continuous Measurement (Tracking)

1. Power on the device.
2. Press and hold the **ON** button for approximately 2 seconds. The device will enter continuous measurement mode, displaying real-time distance as you move.
3. Press the **ON** button again to stop continuous measurement.

5.3. Area Measurement

1. Power on the device.
2. Press the **Function Button (Rectangle Icon)** once. The area icon will appear on the display.
3. Take the first measurement (length) by pressing **ON** twice.
4. Take the second measurement (width) by pressing **ON** twice.
5. The device will automatically calculate and display the area.

5.4. Volume Measurement

1. Power on the device.
2. Press the **Function Button (Rectangle Icon)** twice. The volume icon will appear on the display.
3. Take the first measurement (length) by pressing **ON** twice.
4. Take the second measurement (width) by pressing **ON** twice.
5. Take the third measurement (height) by pressing **ON** twice.
6. The device will automatically calculate and display the volume.

5.5. Pythagorean Measurement

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

1. Power on the device.
2. Press the **Function Button (Triangle/House Icon)** to select the desired Pythagorean mode (e.g., two-point or three-point measurement).
3. Follow the on-screen prompts to take the required measurements (e.g., hypotenuse, base).
4. The device will calculate and display the unknown side.

5.6. Addition and Subtraction Functions

After taking a measurement, you can add or subtract subsequent measurements.

1. Take a base measurement.
2. Press the **±/U** button once for addition (+) or twice for subtraction (-). The corresponding symbol will appear on the display.
3. Take the next measurement. The device will automatically add or subtract it from the previous total.

4. Repeat for multiple additions/subtractions.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the device. Do not use abrasive cleaners or solvents. Ensure the laser lens is clean for accurate measurements.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, ensure the battery is partially charged.
- **Battery Care:** Recharge the device regularly, even if not in use, to maintain battery health. Avoid fully discharging the battery frequently.

7. TROUBLESHOOTING

Problem	Solution
Device does not power on.	Ensure the battery is charged. Press and hold the ON button.
Inaccurate measurements.	Check if the laser lens is clean. Ensure the measurement reference point is correctly set. Measure on a stable, non-reflective surface.
Laser not activating.	Press the ON button briefly. If still not working, ensure the battery is charged.
Display is blank or frozen.	Try pressing the C/OFF button to clear. If unresponsive, power off and restart the device.

8. SPECIFICATIONS

- **Measurement Range:** Up to 60 meters (196 feet)
- **Measurement Units:** Meters (m), Inches (in), Feet (ft)
- **Measurement Functions:** Single distance, continuous, area, volume, Pythagorean (2-point, 3-point), addition/subtraction
- **Display:** LCD with backlight
- **Laser Class:** Class 2
- **Power Source:** USB Rechargeable Lithium-ion battery
- **International Protection Rating:** IP54 (Dust protected, splash proof)
- **Product Weight:** 30 Grams
- **Package Dimensions:** 13.8 x 7.2 x 4.2 cm

9. WARRANTY AND SUPPORT

FAHEFANA products are manufactured to high-quality standards. This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, technical support, or service inquiries, please refer to the warranty card included with your purchase or contact FAHEFANA customer service through the retailer where the product was purchased.

