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ACEGMET DTX10

ACEGMET DTX10 Digital Tape Measure and Laser Distance Meter User Manual

Model: DTX10

1. Introduction

The ACEGMET DTX10 is a versatile measuring tool combining a 12ft traditional tape measure with a 330ft laser distance meter. Designed for precision and efficiency, it features a digital display, multiple measurement modes, and app connectivity for streamlined data management. This manual provides essential information for safe and effective use of your DTX10 device.



Figure 1: ACEGMET DTX10 Digital Tape Measure and Laser Distance Meter.

2. Key Features

- **Precision Measurement:** Achieves digital accuracy within ±1/32" using AccuMeasure technology.
- **Dual Measurement Modes:** Seamlessly switch between 12ft tape measure and 330ft laser distance meter.
- **Smart Calculations:** Automatically computes area, volume, indirect horizontal distance, and height.
- **Innovative Functions:** Includes incremental measurements, rear reference for internal measurements, and a green laser line for alignment.
- **Unit Switching:** Easy conversion between imperial (inches, feet) and metric (millimeters, centimeters) units.
- **User-Friendly Display & App:** Features a color display with customizable settings and connects to the SMARTLIFE App for data synchronization and organization.
- **Long Battery Life:** Offers over 100 hours of runtime on a single charge via USB-C.



Figure 2: Key features and specifications of the DTX10 device.

3. Setup

3.1. Charging the Device

Before first use, fully charge your ACEGMET DTX10. The device uses a USB-C port for charging. Connect the provided USB-C cable to the device and a compatible power source (e.g., USB wall adapter, computer USB port). The battery can be charged without removal from the unit.

- A full charge typically takes approximately 1.5 hours.
- The display will indicate charging status.

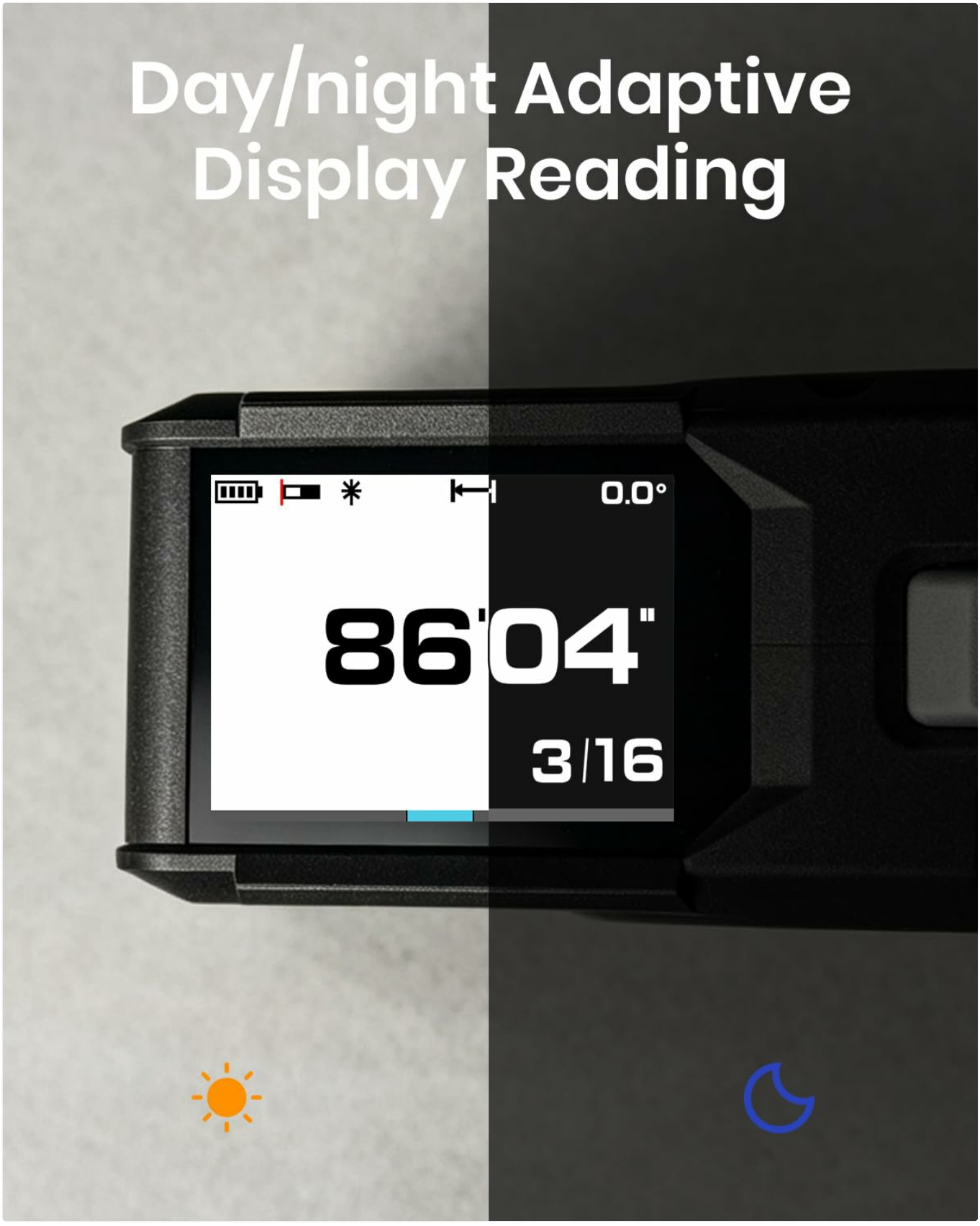

Figure 3: Charging the DTX10 via USB-C.

3.2. Power On/Off

Press and hold the power button (usually marked with a red circle or power symbol) to turn the device on or off.

4. Operating Instructions

4.1. Basic Measurement Modes

The DTX10 offers two primary measurement methods: the traditional tape measure and the laser distance meter.

- **Tape Measure (12ft):** Pull out the physical tape from the device. The auto-lock mechanism will hold the tape in place. The digital display will show the measurement in real-time. To retract, press the release button.
- **Laser Distance Meter (330ft):** Press the laser button to activate the laser. Aim the laser at the target point and press the measure button to take a reading. The measurement will appear on the digital display.

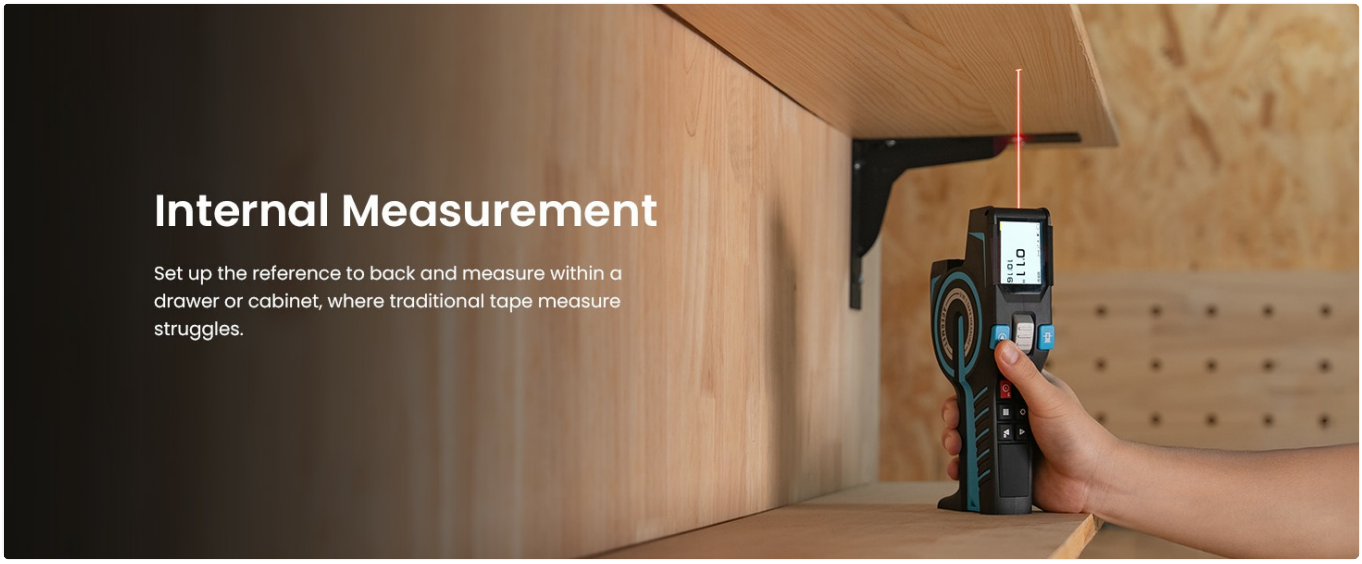

Figure 4: Using both laser and tape measurement functions.

4.2. Unit Switching

To switch between measurement units (e.g., inches, feet, millimeters, centimeters), locate the unit button (often labeled 'UNIT' or a similar icon) and press it to cycle through available options. The display will update to show the selected unit.



Figure 5: Switching between measurement units on the DTX10.

▶ **Watch video online**
ACEGMET DTX10 Digital Tape Measure

Video 1: Demonstrating how to switch units on the ACEGMET DTX10 Digital Tape Measure.

4.3. Advanced Measurement Functions

The DTX10 includes several advanced functions for complex measurements:

- **Area/Volume Calculation:** Enter the respective mode and follow the on-screen prompts to take length, width, and height measurements. The device will automatically calculate the area or volume.
- **Indirect Measurement (Pythagorean Theorem):** For inaccessible heights or distances, use this mode to measure two or three sides of a right triangle, and the device will calculate the unknown side.
- **Incremental Measurement:** Allows you to set a "zero" point at any position on the tape or with the laser, enabling continuous additive measurements without manual calculation.
- **Rear Reference:** For internal measurements (e.g., inside a cabinet), set the measurement reference point to the rear of the device for accurate readings.
- **Green Laser Line:** Activate the green laser for visual alignment and marking, ensuring straight lines and precise positioning.
- **1/N Line Split:** This feature helps in spacing objects at perfect intervals or quickly finding the center of a distance.



Figure 6: Performing an internal measurement using the rear reference.



Figure 7: Utilizing incremental measurement for continuous readings.

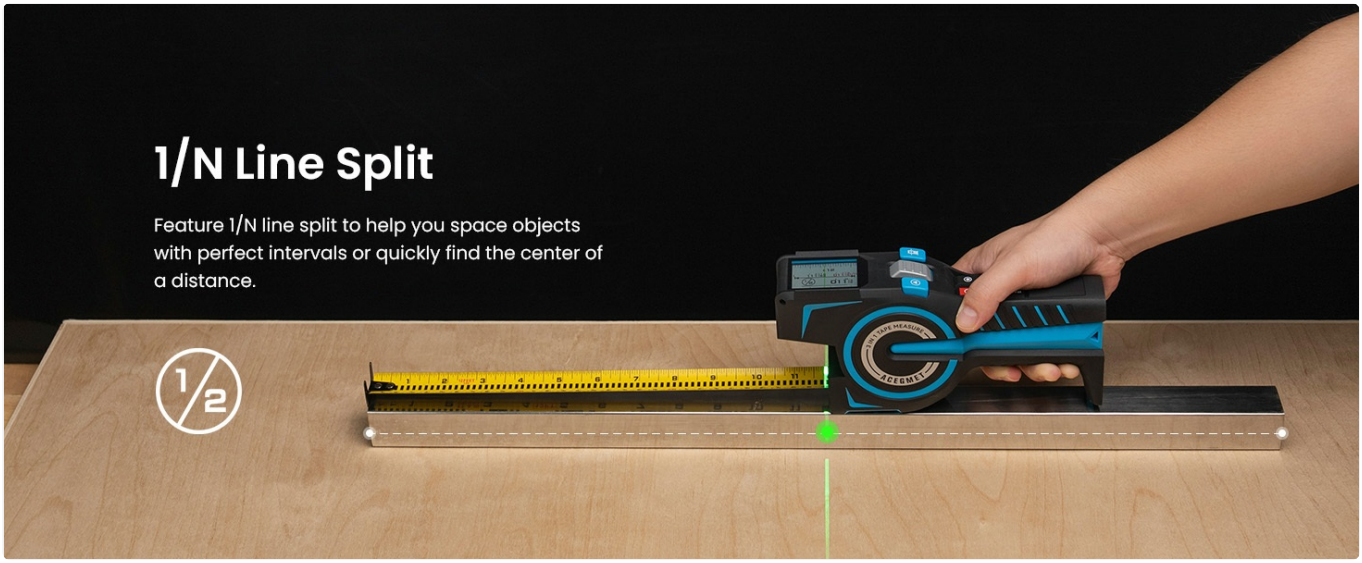

Figure 8: Using the green laser for precise alignment.

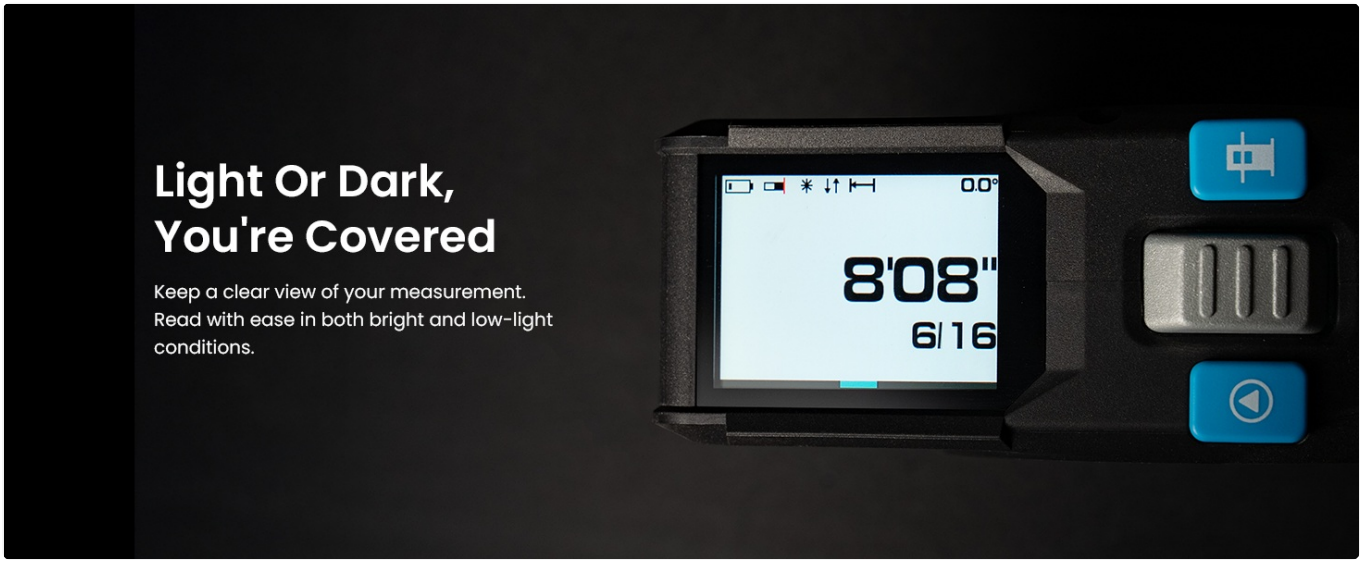

Figure 9: Applying the 1/N line split function for precise spacing.

▶ **Watch video online**

3-in-1 Digital Tape Measure

Video 2: Overview of the 3-in-1 Digital Tape Measure's capabilities.

4.4. Display and Interface

The DTX10 features a clear color display with adaptive reading for both day and night conditions. You can also customize frequently used functions for one-tap access, streamlining your workflow.

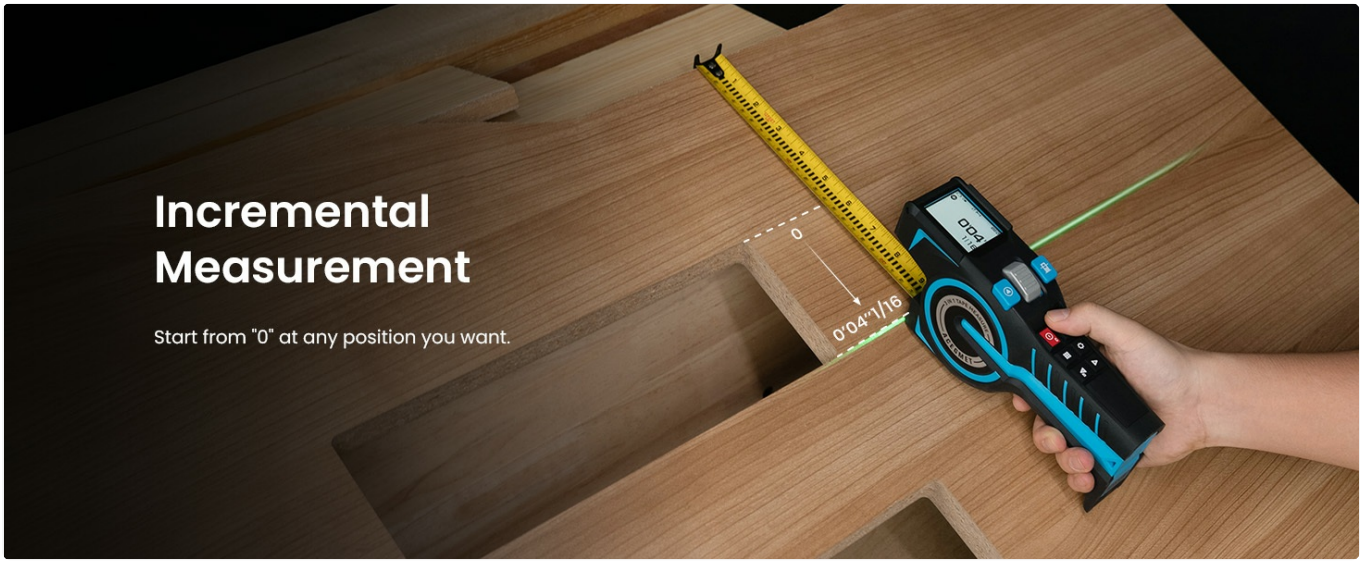

Figure 10: Adaptive display for clear reading in various lighting.



Figure 11: Customizing functions for quick access.

4.5. SMARTLIFE App Connectivity

The DTX10 can connect to the SMARTLIFE App for enhanced functionality. This allows for real-time data synchronization, storage of measurement records, and easy sharing of project data.

- Download the SMARTLIFE App from your device's app store.
- Follow the in-app instructions to pair your DTX10 device.
- View, organize, and share your measurements directly from the app.

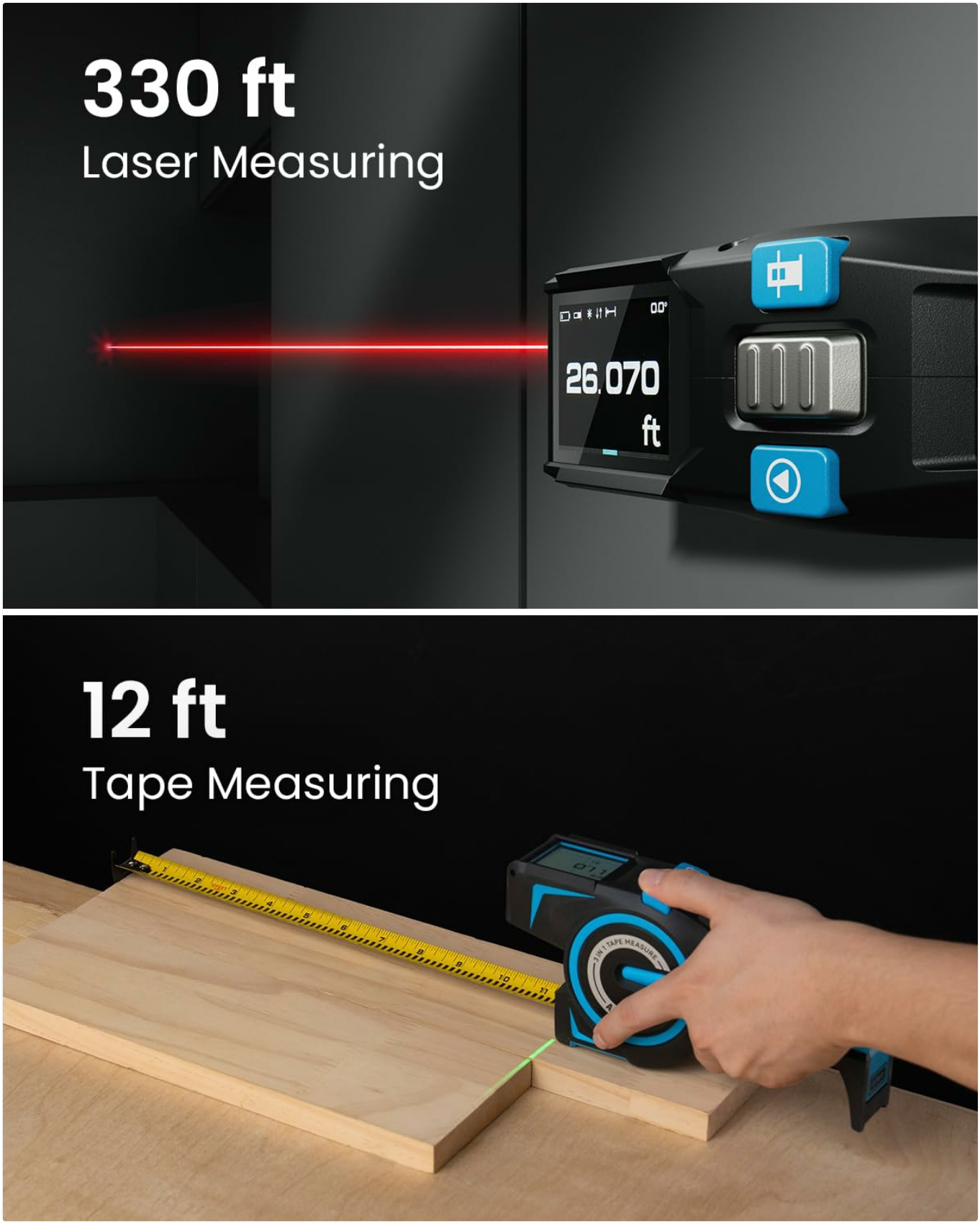

Figure 12: Connecting the DTX10 to the SMARTLIFE App for data management.

5. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the DTX10 in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in active use.

- **Laser Safety:** The device uses a Class 2 laser (630-670nm, <1mw) and a Green Marking Laser (510-530nm, <1mw). Do not stare into the laser beam or direct it at others.

6. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the provided USB-C cable.
Inaccurate measurements.	Incorrect reference point selected; environmental factors; device needs calibration.	Ensure the correct reference point (front/rear) is selected. Avoid measuring in conditions with strong light interference. Refer to the device settings for calibration options if available.
Tape measure retracts too easily.	Auto-lock mechanism issue.	Ensure the tape is pulled out smoothly. If the issue persists, contact customer support.
Cannot connect to SMARTLIFE App.	Bluetooth not enabled; app not updated; device not in pairing mode.	Ensure Bluetooth is active on your smartphone. Update the SMARTLIFE App to the latest version. Follow app instructions for pairing.

7. Specifications

Feature	Detail
Brand	ACEGMET
Model	DTX10-GEN 2
Color	Blue
Product Dimensions	7.87"L x 3.35"W
Measurement Accuracy	±1/32"
Tape Measure Length	12 ft
Laser Distance Range	Up to 330 ft
Case Material	Plastic
Blade Material	Alloy Steel
Lock Type	Auto-lock
Included Components	Digital tape measure
Laser Type	Class 2, 630-670nm, <1mw (Red Laser); 510-530nm, <1mw (Green Marking Laser)

8. Warranty and Support

The ACEGMET DTX10 Digital Tape Measure is backed by a**24-month warranty** from the date of purchase.
ACEGMET also provides lifetime professional technical support for its products.
For warranty claims, technical assistance, or any questions regarding your device, please contact ACEGMET customer service through their official website or the contact information provided with your purchase.

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