

## SNDWAY SW-600A

# SNDWAY SW-600A Laser Rangefinder Instruction Manual

Model: SW-600A

## 1. INTRODUCTION

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The SNDWAY SW-600A is a multi-functional laser rangefinder designed for accurate distance and speed measurements. It features an LCD lens for clear viewing, silent operation, and an automatic power-off system for energy efficiency. This device utilizes pulse laser technology, ensuring eye safety during use. It is suitable for various applications including golf, civil engineering, electrical installations, and general outdoor activities.

## 2. SAFETY INFORMATION

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Please read and understand all safety instructions before operating the device. Failure to do so may result in injury or damage to the product.

- **Laser Safety:** This device emits a Class 1 laser, which is considered eye-safe under normal operating conditions. However, avoid staring directly into the laser beam or pointing it at others.
- **Do Not Disassemble:** Do not attempt to disassemble, repair, or modify the device. Unauthorized modifications can lead to damage and void the warranty.
- **Environmental Conditions:** Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, high humidity, or strong magnetic fields.
- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Battery Safety:** Use only the specified charging cable. Do not expose the battery to fire or extreme heat.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- SNDWAY Laser Rangefinder (SW-600A)
- Storage Bag
- Short Lanyard/Rope
- Charging Cable

## 4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your SNDWAY SW-600A Laser Rangefinder.



Figure 1: SNDWAY SW-600A Laser Rangefinder in use, highlighting the ergonomic design and main controls.

- **Eyepiece:** For viewing the target and display.
- **Measurement/Power Button:** Press to power on, initiate measurement, or switch modes.
- **Mode Button:** Used to cycle through different measurement modes (e.g., distance, speed).
- **USB Charging Port:** For connecting the charging cable.
- **Battery Indicator:** Shows the current battery level.

## 5. SETUP

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### 5.1 Charging the Battery

Before first use, fully charge the internal lithium battery.

1. Connect the provided charging cable to the USB charging port on the rangefinder.
2. Connect the other end of the charging cable to a standard USB power adapter (not included) or a computer USB port.
3. The battery indicator will show charging status. Once fully charged, disconnect the cable.



Figure 2: The rangefinder connected to a power source for charging.

### 5.2 Powering On/Off

- **To Power On:** Press the Measurement/Power button briefly. The display will illuminate.
- **To Power Off:** The device features an automatic power-off system to conserve battery. It will turn off after a period of inactivity. Alternatively, press and hold the Measurement/Power button for a few seconds to manually power off.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Selecting Measurement Mode

After powering on, press the Mode button to cycle through available measurement modes. The current mode will be indicated on the display.

- **Distance Measurement Mode:** For measuring the linear distance to a target.

- **Speed Measurement Mode:** For measuring the speed of a moving object.

## 6.2 Taking a Measurement

1. Look through the eyepiece and aim the crosshairs at your desired target.
2. Press the Measurement/Power button once. The laser will activate, and the measurement will be displayed on the screen.
3. For speed measurement, ensure the target is moving perpendicular to your line of sight for best results.

**Note:** The maximum measurement distance may vary depending on the reflectivity of the target object and prevailing weather conditions.

## 7. MAINTENANCE

- **Cleaning:** Gently wipe the lens and body of the rangefinder with a clean, soft, lint-free cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry one. Do not use chemical cleaners.
- **Storage:** When not in use, store the rangefinder in its protective storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing for an extended period, charge the battery to about 50% and recharge every few months.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the battery fully.
Inaccurate measurements.	Target is too far, too close, or not reflective enough. Poor weather conditions (fog, heavy rain).	Ensure target is within 3-600m range. Aim at a more reflective surface. Avoid use in adverse weather.
Display is dim or flickering.	Low battery. Extreme temperature.	Recharge the battery. Operate within recommended temperature range.
Cannot switch modes.	Button malfunction or temporary software glitch.	Power off the device and restart. If issue persists, contact customer support.

## 9. SPECIFICATIONS

Feature	Specification
Brand	SNDWAY
Model	SW-600A
Measurement Range	3m - 600m

Feature	Specification
Speed Measurement Range	Up to 300 km/h (measurement stops at 5 km/h vertically)
Distance Measurement Accuracy	±0.5m, 0.2% (on highly reflective surfaces)
Magnification	8x
Exit Pupil	3.8 mm
Angle Measurement	±90 degrees
Protection Level	IP54
Battery Type	Internal 750 mAh Lithium Battery
Battery Life Cycle	Approx. 800 charge/discharge cycles
Product Material	Plastic and Resin
Product Dimensions	100 × 75 × 40 mm (3.94 × 2.95 × 1.57 inches)
Product Weight	220g

## 10. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.