

**SUUNTO SS022740000**

# Suunto Eon Core Wrist Computer User Manual

Model: SS022740000

## 1. INTRODUCTION

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The Suunto Eon Core is a compact dive computer designed for active divers, offering a clear color screen and customizable features. It is engineered for ease of readability and adaptability, allowing it to grow with your diving needs. This manual provides essential information for the setup, operation, and maintenance of your Suunto Eon Core.



Figure 1: Suunto Eon Core Black Wrist Computer. This image shows the device displaying depth, dive time, tank pressure, and no-decompression limit.

## 2. SETUP

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### 2.1 Initial Charging and Power On

Before first use, fully charge your Suunto Eon Core. A full charge provides 10 to 20 hours of dive time. Connect the device to a power source using the provided USB cable. The display will indicate charging status.

### 2.2 Attaching the Wrist Strap

The Suunto Eon Core comes with a durable wrist strap. Align the strap with the attachment points on the device and secure it firmly. An additional wrist strap is included for versatility, such as for use with wetsuit compression.



Figure 2: Suunto Eon Core White Wrist Computer. The device is shown with its wrist strap attached.

## 2.3 Basic Settings Configuration

Upon first power-on or after a reset, you will be guided through initial setup steps. This includes setting time, date, units of measurement (feet/meters, PSI/bar), and basic dive parameters. Use the middle button to scroll through menus and the top/bottom buttons for selection or adjustment.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Dive Modes

The Suunto Eon Core supports multiple dive modes:

- **Gauge Mode:** Functions as a bottom timer, providing depth and time information.
- **Air Mode:** Standard air diving.
- **Nitrox Mode:** For diving with enriched air nitrox. Allows adjustment of oxygen percentage.
- **Trimix Mode:** For advanced technical diving with helium-based gas mixtures.
- **CCR (Fixed Point) Mode:** For closed-circuit rebreather diving with a fixed setpoint.

To switch between dive modes, navigate through the menu using the middle button.

### 3.2 Display and Navigation

The clear color display features large, prominent digits for easy readability underwater. Navigation is intuitive using the three buttons on the side of the device.

- **Top Button:** Primarily used for quick timer functions (start, stop, reset) and confirming selections.
- **Middle Button:** Used to scroll through menus, change settings, and select dive modes.
- **Bottom Button:** Provides quick access to specific features such as current depth, no-stop time, and integrated tank pressure readings (if applicable).

### 3.3 Integrated Compass

The on-board digital compass is tilt-compensated up to 45 degrees, providing accurate directional information. It can be accessed through the main display or a dedicated compass screen.

### 3.4 Tank Pressure Integration (Optional)

The Suunto Eon Core can receive data from a regulator-integrated tank air pressure sensor (sold separately). This allows for real-time display of tank pressure directly on the dive computer, enhancing situational awareness during dives.

## 4. MAINTENANCE

### 4.1 Cleaning and Storage

After each dive, rinse your Suunto Eon Core thoroughly with fresh water to remove salt, sand, and other debris. Ensure all buttons are pressed multiple times while rinsing to flush out any trapped particles. Dry the device completely before storage. Store in a cool, dry place away from direct sunlight.

### 4.2 Battery Care

The device uses a user-replaceable 1/2AA 3V Lithium battery. For optimal battery life, avoid fully discharging the battery frequently. Recharge as needed. If storing for an extended period, ensure the battery has a partial charge (around 50%) to prevent deep discharge.

### 4.3 Software Updates

Periodically check for software updates via the SuuntoLink application. Updates can provide new features, performance improvements, and bug fixes. Connect your Eon Core to your computer using the USB cable and follow the instructions in the SuuntoLink software.

## 5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on.	Low or depleted battery.	Connect to charger and allow sufficient charging time.

Problem	Possible Cause	Solution
Display is dim or unreadable.	Low battery; display brightness setting.	Charge the device. Adjust display brightness in settings.
Bluetooth connectivity issues.	Device not in pairing mode; interference; software glitch.	Ensure Bluetooth is enabled on both devices. Restart the Eon Core and your mobile device. Try re-pairing. Update firmware.
Inaccurate depth or pressure readings.	Sensor obstruction; calibration issue; faulty sensor.	Rinse device thoroughly. Check for debris around sensors. If problem persists, contact Suunto support.

For more detailed troubleshooting, refer to the official Suunto support website or contact customer service.

## 6. SPECIFICATIONS

- Brand:** SUUNTO
- Model:** SS022740000
- Material:** Reinforced composite (case), Composite (bezel), Mineral crystal (glass), Elastomer/Bungee (strap)
- Dimensions (L x W x H):** 7 x 4 x 4 inches
- Weight:** 0.8 Pounds (approx. 363 grams)
- Water Resistance:** Up to 80 meters (262 feet)
- Battery Life:** 10-20 hours of dive time per full charge
- Battery Type:** User replaceable 1/2AA 3V Lithium battery
- Compass:** On-board digital, up to 45-degree tilt compensated 3D compass
- Connectivity:** Bluetooth capable (for syncing to application and downloading dive data)
- Included Components:** Scuba Computer, USB cable, Additional wrist strap
- UPC:** 045235912612
- First Available:** November 7, 2017

## 7. WARRANTY AND SUPPORT

- For warranty information, product registration, and technical support, please visit the official SUUNTO website or contact their customer service. Keep your proof of purchase for warranty claims.
- Online Support:** [www.suunto.com/support](http://www.suunto.com/support)
- Manufacturer:** Suunto USA, Inc.