SWAY Breeze – User Manual

WiFi Gateway & NMEA 2000 Data Logger

Version: January 2026 – EN

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https://www.sway-sailing.com

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1. Introduction

SWAY Breeze is a **WiFi gateway and NMEA 2000 data logger** for your onboard network.
The device logs available NMEA data and makes it available **live via WiFi**, allowing multiple apps to connect to your vessel. After sailing, all data can be reviewed and analysed using the SWAY App.

SWAY Breeze:

- Provides a **digital logbook**, allowing you to review completed trips via the **SWAY App**
- Depends on data available on the **NMEA 2000 network**
- Functions as a **WiFi multiplexer** for your onboard network
- Requires the **SWAY App** to review sailing trips and adjust settings

2. Onboard requirements

⚠️ **The following is required to use SWAY Breeze:**

Mandatory

✅ A **NMEA 2000 compatible onboard network**
✅ At least **one GPS source** on the network

Without GPS:
❌ SWAY Breeze cannot record sailing data
❌ Position and time information are unavailable

Recommended (optional)

- Wind instrument(s)

- Log / speed sensor

- Compass / heading sensor

- Depth sensor

ℹ️ SWAY Breeze logs all data available on the network. The more complete your NMEA network, the richer the data in the app.

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3. Safety & usage information

- SWAY Breeze is **not waterproof**

- Install the device **indoors only**

- SWAY is **not a navigation aid**. Do not use SWAY Breeze as the (sole) source for navigation

- Switch off NMEA 2000 power during installation

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4. Package contents

- 1× SWAY Breeze (WiFi gateway & data logger)

- 1× Self-adhesive Velcro

- 1× Quick Start guide

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5. Placement (indoor)

Suitable locations

- Behind the instrument panel
- In a dry technical compartment

Requirements

- Dry location
- Within reach of the NMEA 2000 backbone
- Good WiFi coverage towards cockpit/cabin

❌ Not suitable for outdoor use.

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6. Mounting with Velcro

- Clean the mounting surface
- Remove the protective strip from the Velcro
- Firmly press the device into place

✔️ Screws are not required

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7. Connecting to the onboard network

SWAY Breeze must be connected to a **NMEA 2000 or compatible network**.
Connect SWAY Breeze using a **T-connector** to the backbone.

If your network does not have a NMEA 2000 compatible connector, use an adapter cable (e.g. SeaTalk NG to NMEA 2000).

T-connectors and adapter cables are available from marine equipment retailers.

Check that:

- The network is properly powered
- Terminators are installed at both ends

⚠️ Always connect with the network powered off.

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8. Status LED

A status LED is visible next to the cable outlet of SWAY Breeze.
The LED colour indicates the device status:

🔵Blue	SWAY is powered on and logging NMEA messages.
🔴Red	Multi-reset detected, restoring factory settings.

9. Creating a WiFi connection

SWAY Breeze automatically creates its own **WiFi network** once powered.
WiFi details are printed on the underside of the device.

Connecting via the SWAY App (recommended)

1. Download and install the SWAY App: https://sway-sailing.com/app
2. Open the app and log in or create an account
3. Steps 1–2 can be completed at home before installation on board
4. Go to *Breeze* and follow the on-screen steps

Connecting via QR code

To connect without the SWAY App:

- Scan the QR code on the underside
- Confirm the WiFi connection

Your phone is now connected to the SWAY WiFi network.
You can use other apps to view NMEA data (see chapter 12).

Connecting to an existing WiFi network (Access Point)

If you have a WiFi router onboard, SWAY Breeze can connect to it:

1. Open the SWAY App
2. Connect to Breeze
3. Open *WiFi Settings* via the gear icon
4. Select your network and enter the password

After saving, Breeze will connect to your router.
The app will then find Breeze via the onboard WiFi for live data and synchronisation.

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10. Use while sailing

- SWAY Breeze starts logging automatically when powered via the NMEA network
- NMEA data is:
    - available live via WiFi
    - automatically stored per trip
- Multiple devices can connect simultaneously

ℹ️ No manual start or stop is required.

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11. Synchronising after sailing

- Connect to the SWAY App after sailing
- The app downloads all new data to your phone
- After downloading, turn off SWAY Breeze and connect to the internet (4G/5G or WiFi)
- Upload data to the SWAY cloud for processing and trip review

ℹ️ Breeze has sufficient internal storage; synchronisation after every trip is not required.
ℹ️ Uploading does not have to be done onboard.

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12. Receiving NMEA data in apps

SWAY Breeze supports **TCP and UDP connections**.

Connection details:

- IP address: 192.168.4.1
- UDP port: 10110
- TCP port: 2001

UDP connections are often detected automatically (e.g. Navionics).

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13. Maintenance

SWAY regularly releases firmware updates to improve performance and security.
Check regularly for updates.

No further maintenance is required.
Keep the device dry and do not use cleaning agents.

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14. Troubleshooting

If your issue is not listed, visit https://sway-sailing.com or contact your dealer or info@sway-sailing.com.

Cannot connect to SWAY WiFi

- Check if the status LED is on
- Verify NMEA network power and cable connections
- Ensure you are within WiFi range

Trips not visible in the SWAY app

- Connect the SWAY App with the SWAY Breeze
- Make sure all data has been synchronised. (First download and then upload).
- Make sure there are no visible errors and that the SWAY Breeze receives position and time information from the ships network.

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15. Factory reset

To restore all settings to the factory defaults you can follow the following steps.

All your trip data will not be removed.

1. Ensure SWAY Breeze is powered on

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2. Disconnect power
3. Wait 2–5 seconds
4. Reconnect power
5. Repeat steps 2–4 two more times

After step 5, the LED briefly turns red and the device restarts with factory settings.

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16. Technical specifications

- Type: WiFi gateway & NMEA data logger
- Network: NMEA 2000 (GPS required)
- Communication: WiFi (own network)
- Mounting: Velcro
- Use: Indoor only
- Power: via NMEA 2000, LEN-2, 9–16 V

CE SWAY declares that this product is compliant with the essential requirements of directive 2014/30/EU, 2014/53/EU, 2011/65/EU and 2022/30.

Dispose of this product in accordance with the WEEE Directive. Do not mix electronic waste with domestic or industrial refuse.