




One-time preparations before the first start

General settings

Check the following settings in the dialog **Defaults** (button ) on the tab **Ship's data | Area**⁽⁴⁾.

- Type of vessel (sailboat, motorboat)
- Number of engines
- Number of generators
- Units for wind speed, fresh water, fuel and temperature

NMEA settings

Activate on the left side of the dialog **Defaults** (button ) tab **GPS/NMEA**⁽⁴⁾ (iPad) or in the popover  of the window **Logbook-NMEAconnect**⁽⁴⁾ (PC) the data your NMEA system provides and you want to use for entries.

! iPad: Activate only available data, otherwise there will be longer waiting times for data retrieval.



iPad only: Set up LogbookNMEA connect app

In the app **LogbookNMEA connect** create sources to access your NMEA hardware and activate the sources.

Settings for automatic data recording

In the right part of the dialog **Defaults**, **GPS/NMEA**⁽⁴⁾ specify the conditions under which automatic entries should be created in LOGBOOK.


Testing NMEA data reception

Go to the view **Logbook** and select **NMEA Test** (button ) . In the dialog, you can start a data retrieval with the button  ⁽⁴⁾. The received data is only displayed in the dialog and is not saved in Logbook.

! On the iPad, Logbook must be in the foreground during data retrieval.


Daily before you start

1. Create a new day

In the view **Logbook** for each day of the trip a logbook day is created with **New Day**⁽⁶⁾ (button ) (in a new file the first day is already created).

So create a new day and check the date.


2. Create a crew list

In a new logbook file or if a new trip has been started, the crew and the watches have to be entered in the dialog **Crew List** (button ) .

3. Check and edit fields in index

Check the entries in the index at the top. For following days, the entries from the previous day are carried over. **Date**⁽⁷⁾ and Time Zone⁽⁷⁾ are mandatory.

4. Set watches

Enter who is on watch for each hour on the tab **Navigation** on the far right in the column **Watch** or apply a watch system via the Watch popover⁽⁸⁾ (button ) .

5. Enter weather data

Call up the current weather forecast from your preferred weather service and transfer information and screenshots to the tab **Weather**.

6. Testing NMEA data reception

Test whether the connection to the NMEA network is working correctly as described under “Testing NMEA data reception”.


During the journey

7. Start Auto-NMEA and logbook entries

Start the automatic logbook entries with the second Auto-NMEA button **Start Auto**⁽⁹⁾ shortly before driving off. If necessary, confirm that a first entry should be made directly. Red buttons **Stop data**⁽¹¹⁾ and **Stop Auto**⁽¹²⁾ are displayed, the text on the tabs **Navigation** and **Tracking** is green.

! On the iPad, Logbook must be in the foreground while Auto-NMEA is collecting data.



! In between, check the counter displayed between the two red buttons to detect early if data reception is not reliable.

! If necessary, use during maneuvering the button  **Auto**⁽¹³⁾ on the right side of the dialog **Data Entry** to turn off the entries when changing course. This way you avoid that there are too many meaningless entries.

Completing the logbook entries

In the dialog **Data Entry**, additions can be made to the automatically created logbook entries (sails, cloud cover, etc.). Changes more than 2 minutes after the entry get a time stamp and an orange line number.

Manual logbook entries during Auto-NMEA

- The button  **data**⁽¹⁴⁾ manually creates a new logbook entry. The data is saved as Auto-NMEA data, so if necessary the log value can be calculated as well.
- The button  **data**⁽¹⁵⁾ can be used to retrieve the data for the last automatically created logbook entry again.


Stops

For a correct calculation, times when the ship is not moving through the water must be recorded.

- With the Auto-NMEA option **Entry at start/stop**⁽⁴⁾, stops are automatically detected and recorded on the tab **Stops**.
- For manual recording of stops, go to tab **Stops** and activate at the beginning of a stop the field **Stop**⁽¹⁶⁾, when the trip is continued activate the field **Resume**⁽¹⁷⁾. When activating a field, the current time is entered directly.



Record engine operation

On the tab **Engine(s)** the operating times and the covered distances of the engines are recorded. In the case of a sailboat, this results in the times and distances under motor or under sail.

- If a logbook entry has been created at the time of switching the engine on or off, you transfer the **Time** and **Log** to the tab **Engine(s)** with the **Engine** buttons⁽¹⁸⁾ at the bottom left of the dialog **Data Entry** (blue button: engine is switched on).
- For a manual entry (without logbook entry), the **Log** value⁽¹⁹⁾ and the **Time**⁽²⁰⁾ are entered on the tab **Engine(s)**. If available in the NMEA, the current **Log** value can be retrieved from the NMEA data via the button .

8. Stop Auto-NMEA

To stop the automatic log entries press the button **Stop Auto**⁽¹²⁾. Select OK to create a last entry. The Auto-NMEA buttons are now blue again.

- The button  ⁽²¹⁾ (bottom right on the tab **Engine(s)**) can be used to end the engine operation entries, in the dialog **Data Entry** the button  ⁽²²⁾ also ends the stops.

Defaults (1)

General | Ship's Data | Area | GPS/NMEA | SYNC | Activation

Ship's Data

☒ Sailboat
☐ Motor boat

Number of Engines: ☒ 1 ☐ 2

Number of Generators: ☐ 0 ☐ 1 ☒ 2

Generator #1: ☐ ☐ ☐ ☐

Generator #2: ☐ ☐ ☐ ☐

Area

Cruising area:
☐ Sea
☐ Inland waters
☒ Both

Unit for distances:
☐ nm (sea)
☐ km (inland waters)
☒ Variable (both)

Location in overviews:
☒ GPS position
☐ Location
☐ Variable

Summary using:
☒ nm ☐ km

☒ Locks counter

Defaults

General | Ship's Data | Area | GPS/NMEA | SYNC | Activation

NMEA/GPS connected using

☐ USB/Bluetooth
☒ WiFi (TCP)
☐ WiFi (UDP)

Data volume when capturing NMEA data: 5000 (3)

Settings for USB/Bluetooth

☐ Scan ports ☐ Enter port manually

Current port: Baud: 4800

Settings for WiFi

IP: 192.168.4.1 Port: 1456

Additional data from NMEA

☒ Wind
☒ Water Temperature
☒ Distance (Log) from log instrument
☒ LOG ☐ TRIP
☒ Weather data
☒ Engine speed

☒ #1 ☐ #2 -> Sails | Engine: ☒ 1 ☐ 2

Defaults

General | Ship's Data | Area | GPS/NMEA | SYNC | Activation

Data source for App LogbookNMEA connect

☐ iPad GPS/GPS
☒ NMEA via WiFi/Bluetooth

☐ iPad Pressure
☐ Use the time from iPad

Additional data from NMEA (WiFi/Bluetooth)

☒ Wind
☒ Distance (Log) from log instrument ☐ TRIP ☒ LOG
☒ Pressure ☐ Relative Humidity
☒ Temperature ☒ Water Temperature
☐ Engine Operating Hours
☐ Engine speed

Settings for automatic entries

☒ Hourly entry ☐ Half hour entry

☒ Entry at change of course (4)
30° Minimum change of course for entry

☐ Entry at start/stop

1.0 kn Speed for start entry
0.3 kn Speed for stop entry

Acoustic Signal

☐ Data recording ☐ Entry

Timeout LogbookNMEA connect: 10 s

NMEA -> Support Data -> Support Auto-NMEA -> Support Delete Auto NMEA data

NMEA Test (5)

UTC: 13:35

Position: 28° 55,0' N 013° 42,1' W

Course: 5° SOG: 20,0 kn Log: 7.383,7 nm

Wind: Direction | Speed: NW 25 kn

Pressure: 1.022,9 hPa Temperature: Relative Humidity:

Engine speed: NMEA -> Support

Index (Auto-NMEA off) (9)

Ship's Data | Summary | Trips | Logbook

Trip: 1 Date: Fri, Jun 10, 2022 From: Wismar To: Day: 2 Day/Night: ? ?

Aboard: Michael, Isabel, Helmut, Almute Skipper: Michael

(10) (6) (8)

Index (Auto-NMEA on) (12)

Trip: 1 Date: Fri, Jun 10, 2022 From: Wismar To: Time Zone: UTC +2 Day: 2 Day/Night: ?

Aboard: Michael, Isabel, Helmut, Almute Skipper: Michael

(12) (14) (7)

Dialog Data Entry (11)

Friday, June 10, 2022

This entry was created automatically. Some data may have been added manually.

Navigation Data: Time: 11:01 UTC 9:01

Position: 38° 25,4' N 014° 58,2' E

Course: 202° Speed: 4,4 kn Log: 25,7 nm SOG: 5,8 kn

Engine on/off: GR+FK Ohne

Environment Data: Wind: Direction | Speed: W 12 kn

Sea State: 1 Ruhige, gekräuselte See

Current: Direction | Speed: kn

Pressure: 1.016,5 hPa Clouds | Temp: 20,1°C Relative Humidity: 68%

Watch:

Comments: Stundeneintrag

Auto-NMEA 10.06.2022 20:36:17

(14) (15) (18) (12) (13) (22)

Tab Stops (16) (17)

Navigation | Stops | Engine | Weather | Journal

Times Of Stops

Stop	Resume	Duration	Comments
12:00	12:22	0:22	Warten auf Liegeplatz

Tab Engine(s) (19) (20) (21)

Navigation | Stops | Engine | Weather | Journal | Tracking | Technical | Ch

Engine(s)

Engine	Log	Generator(s)	Operating Times
Engine 1 - Log	Engine on: 0,0 Distance: 28,3 Engine off: 68,0	Engine on: 0,0 Distance: 28,3 Engine off: 80,8	Engine 1 - Operating Times: On: 10:15 Off: 14:45 Duration: 4:30 On: 21:10 Off: 24:13 Duration: 3:02
Engine 2 - Log	Engine on: 0,0 Distance: 28,3 Engine off: 68,0	Engine on: 0,0 Distance: 28,3 Engine off: 80,8	Engine 2 - Operating Times: On: 10:15 Off: 14:45 Duration: 4:30 On: 21:10 Off: 24:13 Duration: 3:02

Engine(s) switched on

Engine Operating Hours: Start: 1.202,0 h End: 1.209,5 h Time: Range: nm