

**ME SENSE** RELAY  
WIFI

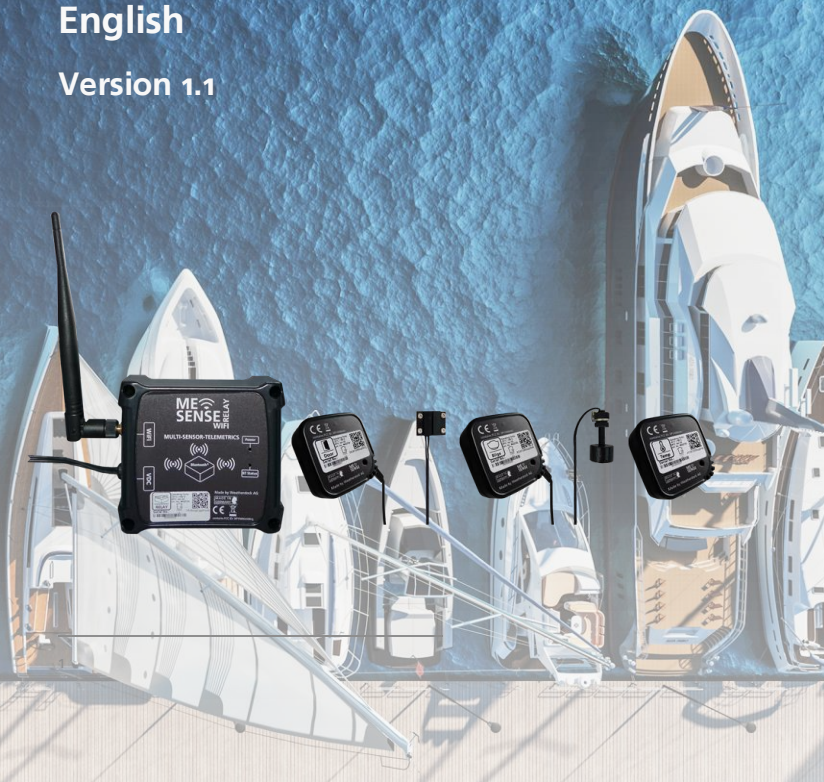
**ME SENSE**

**ME SENSE** GATE  
LTE

# Instruction Manual

English

Version 1.1



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## Revisions

Version	Date	Author
1.0	28.03.2023	M. Knipp
1.1	27.04.2023	V. Baier

## List of abbreviations

BT LE	Bluetooth® Low Energy
LED	Light Emitting Diode
V	Volt
DC	Direct Current
WLAN	Wireless Local Area Network
WiFi	Wireless Fidelity

## Scope of delivery

The basic set consists of the ME SENSE RELAY and a temperature sensor .



*Figure 1 ME SENSE basic set*

The advanced set consists of the ME SENSE RELAY, a temperature sensor, a door sensor and a bilge sensor .



*Figure 2 ME SENSE advanced set*

# 1 System Description

These operating instructions apply to the following devices :

- A22702 ME SENSE Relay
- A22703 ME SENSE Temp
- A22704 ME SENSE Humidity
- A22705 ME SENSE Bilge
- A22706 ME SENSE Schock/Impact
- A22707 ME SENSE Pressure
- A22708 ME SENSE Door
- A22709 ME SENSE GATE LTE
- A22721 ME SENSE Shore Power

The various devices of the ME SENSE product series have been developed to get a better overview of the condition of your own ship when you are not on board yourself. On the one hand, this applies to the long period of winter storage and, on the other hand, to the time when you are not on board during the season.



Figure 3 ME SENSE function sketch

Various sensors are used to determine measured values that the boat owner can view remotely on his smartphone. If a measured value exceeds a set alarm threshold, there is an immediate notification in the app. The alarm values reached are stored in the IoT cloud and are therefore available in the event of a possible insurance claim.

The use of universal and modern IoT technology ensures the future security of the ME SENSE products. A modular use of the sensors allows the system to be expanded on board at any time.

## 1.1 Functionality

### „ME SENSE RELAY“

The ME SENSE RELAY is the central element of the system and acts as a bridge so that the measured values can reach the cloud and thus also the app. Currently, up to 20 different ME SENSE sensors can be connected to the bridge via Bluetooth® at the same time. The device is connected to the on-board battery for power supply.

### „ME SENSE“

The term "ME SENSE" refers to the various sensors that transmit their different measured values to the ME SENSE RELAY via Bluetooth connection. The respective suffixes indicate what type of sensor it is specifically.

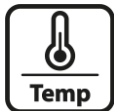
### „Battery“



Battery monitor offers the possibility of checking the current battery voltage and is already integrated in the ME SENSE RELAY .



## „Temp“



Temperature sensor, z. B. can be used to monitor the battery temperature

## „Bilge“



Float switch, used to monitor a possibly rising water level in the bilge

## „Door“



Door sensor, checks the status of a specific door or bulkhead: 'closed' or 'open'

## „mBar“



Air pressure sensor, gives information about rapidly changing air pressure values on site

## „Rel. %“



Humidity, gives information about the current relative humidity on site

## „Accel.“



Acceleration sensor, measures vibrations as they occur as "acceleration" as a result of possible bumping

## „Shore“



Shore Power sensor, detects if shore power is available.

Basically, the different ME SENSE sensors are placed according to their respective tasks .

The sensors transmit the telemetry data to the central ME SENSE RELAY device via a Bluetooth® connection. This device, also known as a bridge, is in turn connected to a permanently available WLAN network, e.g. B. the marina, connected. This WLAN connection enables the measured values received to be transmitted regularly to a server in the Marine IoT Cloud.



The boat owner can access the cloud with the Weatherdock "ME SENSE" app via smartphone or mobile device and display his boat data. If the measured values reach a self-defined critical level, an alarm is triggered and the necessary steps can be initiated immediately.

*Figure 4 ME SENSE App Screenshot*

## 2 Basic steps / Setup

- Connect the ME SENSE RELAY to the power supply
- Place the sensors in the intended location
- Download the ME SENSE app from the app store of your choice and open it on your mobile device
- Create your own account
- Create your boat within your account
- Scan the QR code and connect to the ME SENSE RELAY
- Connect ME SENSE RELAY to your preferred WiFi network. This can e.g. B. the WLAN of the marina

### **Important to note:**

For data security reasons, public WiFi networks that do not have a password or SSID cannot be used.

Please only use encrypted WiFi networks for which you know the network name (SSID) and the password.

- Scan the QR code one after the other and connect the sensors to the ME SENSE RELAY
- Register all read-in sensors in your created profile

## 2.1 Mounting Recommendations

The ME SENSE RELAY should be positioned in such a way that no other technical devices on board affect the WiFi connection to the router of the Marina WiFi network.

The ME SENSE sensors should be attached in such a way that they can also fulfill their original purpose.

For example, a bilge water sensor should be placed in such a way that rising water inside the boat is detected as quickly as possible.

For example, a temperature sensor should be placed where a temperature swing up or down indicates an error.

## 3 Assembly of the ME SENSE RELAY

If necessary, the ME SENSE RELAY should be installed on board in such a way that daily processes are not disturbed. However, care should be taken to ensure that the marina's WiFi network has the best possible reception.

Due to the connection to the power supply (board battery), the integrated sensor function of the voltage check can also be used.

### 3.1 Connection

- Electrical system : 12/24VDC (9-32VDC).
- Connect the "plus" and "minus" wires to the corresponding terminals on the power source
- Both LEDs on the device light up briefly
- The yellow LED flashes rhythmically
- The blue LED flashes every 60 seconds for approx. 2 seconds

ME SENSE RELAY WiFi has an internal 'buffer battery'. If the voltage supply falls below 10.5 or 21.0 VDC, the ship owner is automatically informed via cloud and app that the voltage is too low and communication with the sensors can no longer take place.

## 4 ME SENSE App

Download the free app from the app store of your choice and start it on your smartphone or tablet.



### 4.1 Basic-Version App

In the basic version of the app without a subscription, the battery voltage checker and the temperature sensor can be used without any runtime restrictions and the current values can be displayed.

### 4.2 Abo-Version / InApp-Purchase

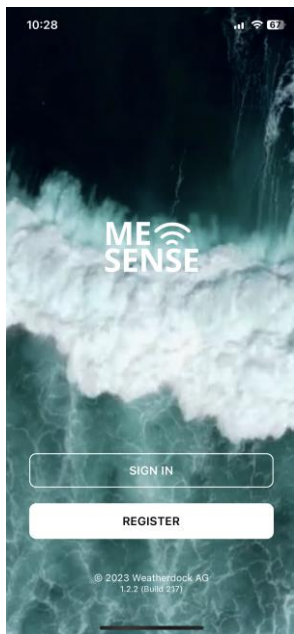
If you want to use additional sensors for monitoring and display on the smartphone, then you need the app subscription. Up to 20 sensors and up to 10 switches (on/off) can be used, managed and displayed at the same time.

The subscription has a term of 12 months. After the end of the term, the measured values are no longer displayed in the tiles and the functionality corresponds to the basic version of the app again .

The subscription price is €29.99.

After starting the app  
see this screen

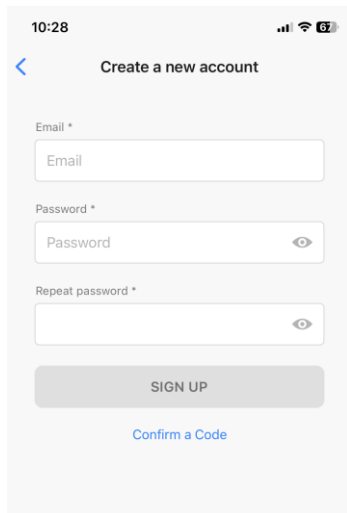
Click on "Register" to create  
your user profile



Enter your email and a password.

As soon as you click on "Register", a 6-digit verification code will be sent to you by email.

Enter the verification code you received by email and click "Register" again



10:28 📶 📶 🔋 67

< Create a new account

Email \*

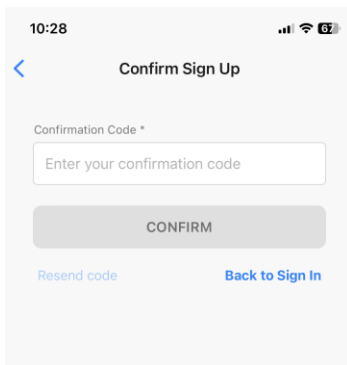
Password \*

 👁️

Repeat password \*

SIGN UP

[Confirm a Code](#)



10:28 📶 📶 🔋 67

< Confirm Sign Up

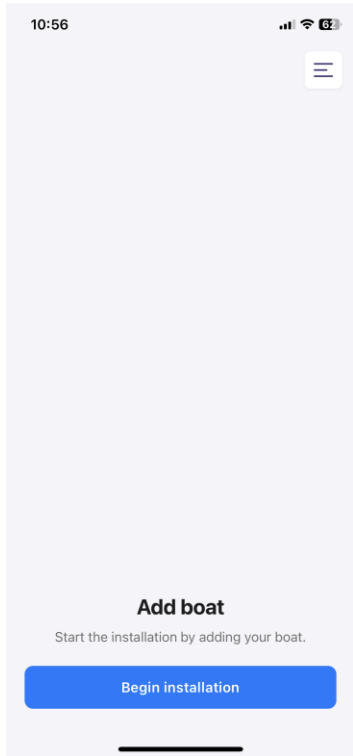
Confirmation Code \*

CONFIRM

[Resend code](#) [Back to Sign In](#)

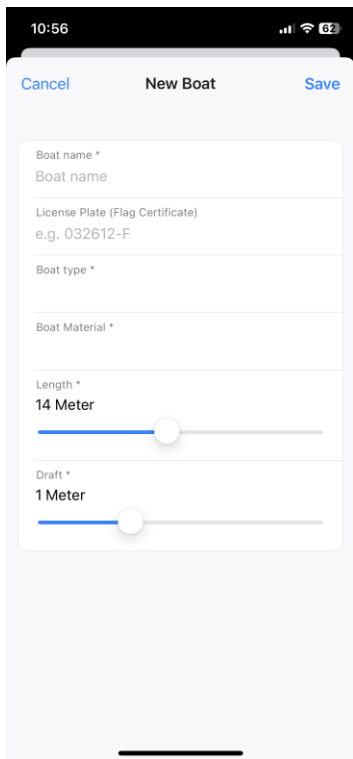


After a successful registration you will be asked to add a boat to your profile.



Configure your boat with the appropriate information on name, boat type, material, length and draft.

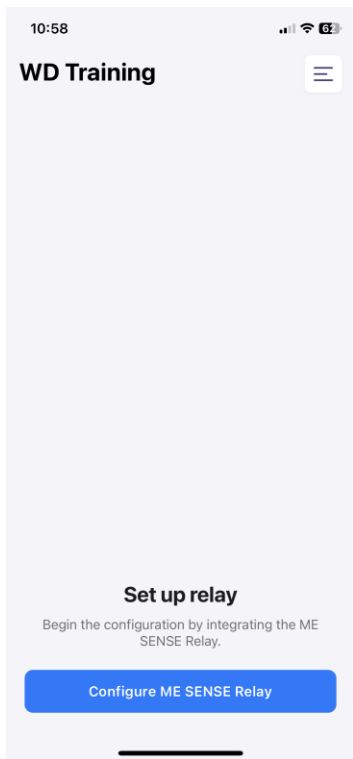
Then press "Save" and you will be forwarded automatically



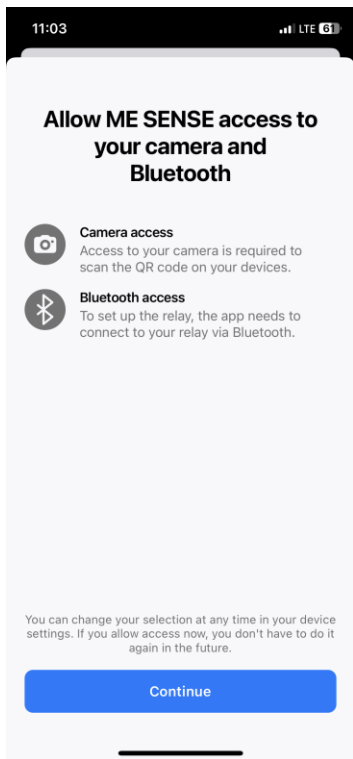
The screenshot shows a mobile application interface for creating a new boat. At the top, the status bar displays the time 10:56, signal strength, Wi-Fi, and battery level at 62%. The app header includes a 'Cancel' button on the left, the title 'New Boat' in the center, and a 'Save' button on the right. The form contains several input fields: 'Boat name \*' with a text input field containing 'Boat name'; 'License Plate (Flag Certificate)' with a text input field containing 'e.g. 032612-F'; 'Boat type \*' with an empty text input field; and 'Boat Material \*' with an empty text input field. Below these are two slider controls: 'Length \*' is set to '14 Meter' and 'Draft \*' is set to '1 Meter'. The bottom of the screen shows a home indicator bar.

In the next step you will be asked to integrate the ME SENSE RELAY into the app

Tap on "Configure ME SENSE RELAY"

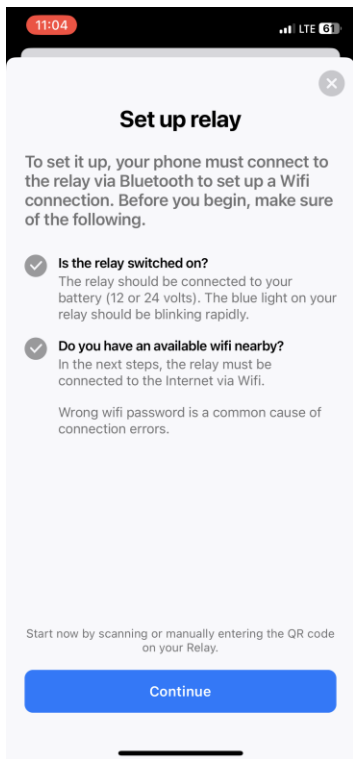


Around the QR code on the ME SENSE RELAY device  
To be able to scan, you must first grant access rights for the camera and for Bluetooth



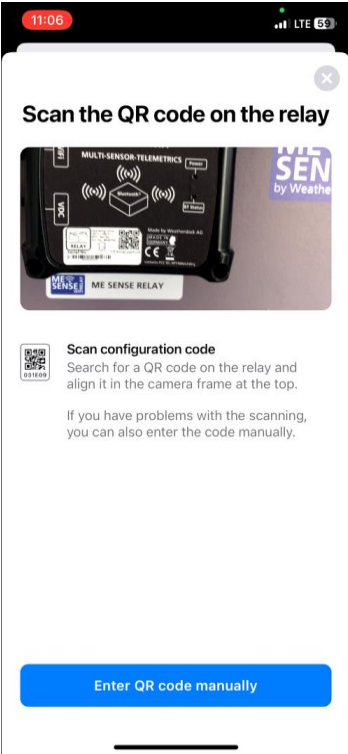
The next step is a query to eliminate possible errors in advance.

Then tap on "Next".



The dialog window opens and you can use the camera of your mobile device to conveniently scan the QR code that is shown on the ME SENSE RELAY device.

Alternatively, you can also enter the configuration code manually. Pay attention to the exact spelling with upper and lower case letters. You will find this immediately below the QR code.



The screenshot shows a mobile application interface. At the top, the status bar displays the time 11:06, LTE signal strength, and 55% battery. The app's main content area has a white background with a close button (an 'X' in a circle) in the top right corner. The heading "Scan the QR code on the relay" is centered at the top. Below it is a photograph of the ME SENSE RELAY device, which is a black rectangular unit with a white label. The label features a QR code and the text "ME SENSE RELAY" and "MULTI-SENSOR TELEMETRICS". To the right of the device photo is a logo for "ME SENSE by Weatherdock AG". Below the photo is a small QR code icon and the text "Scan configuration code". Underneath this is a paragraph: "Search for a QR code on the relay and align it in the camera frame at the top. If you have problems with the scanning, you can also enter the code manually." At the bottom of the app interface is a large blue button with the text "Enter QR code manually".

**Scan the QR code on the relay**

**Scan configuration code**  
Search for a QR code on the relay and align it in the camera frame at the top.

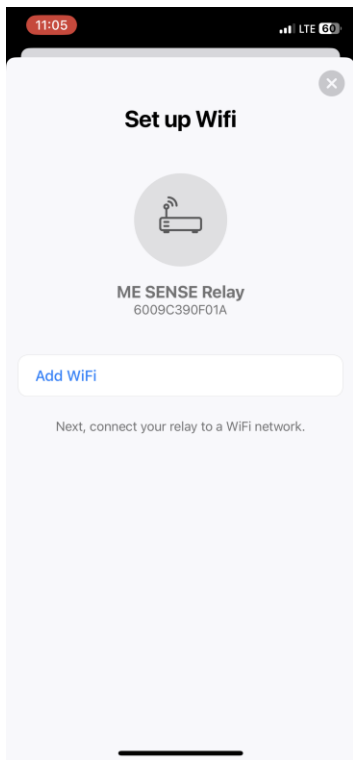
If you have problems with the scanning, you can also enter the code manually.

**Enter QR code manually**

You will see this confirmation that the ME SENSE RELAY has been successfully read in

Now add the WiFi network you want to use by clicking on "Add WiFi".

This way you can use up to 8 different WiFi networks for different marinas. ME SENSE RELAY automatically recognizes the network with the strongest signal and connects to it.

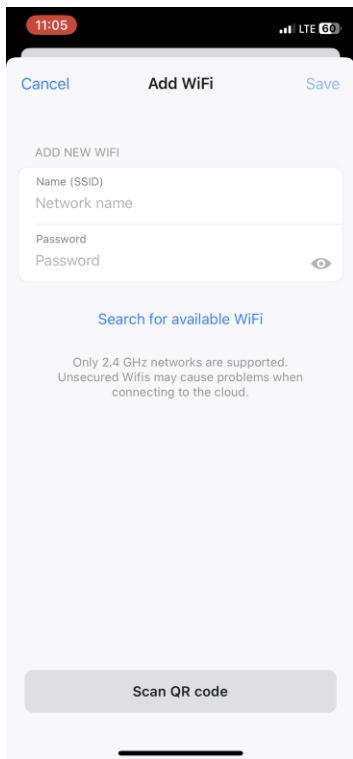


Depending on the form in which you have the access data for the WLAN network, you can enter the data manually or, if necessary, scan a QR code.

Pay attention to the exact correct spelling with upper and lower case letters.

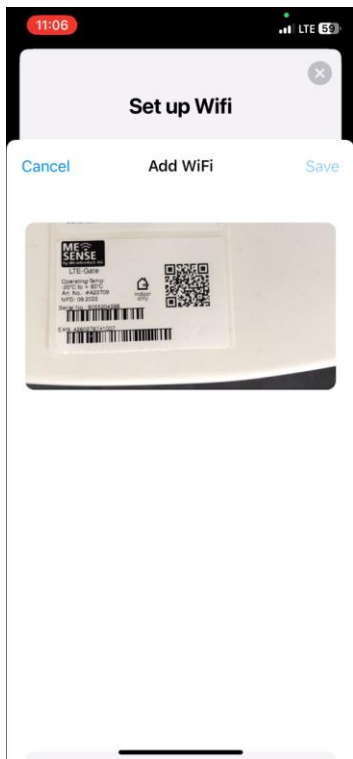
Do not use any open networks without a password, only encrypted WLAN networks for which you have the network name (SSID) and the password.

Alternatively, use an LTE hot-spot and generate your own access to upload the ME SENSE sensor data to the data cloud.



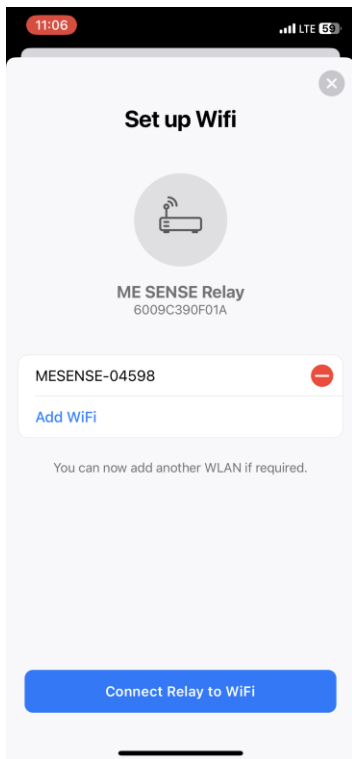


If available, scan QR code

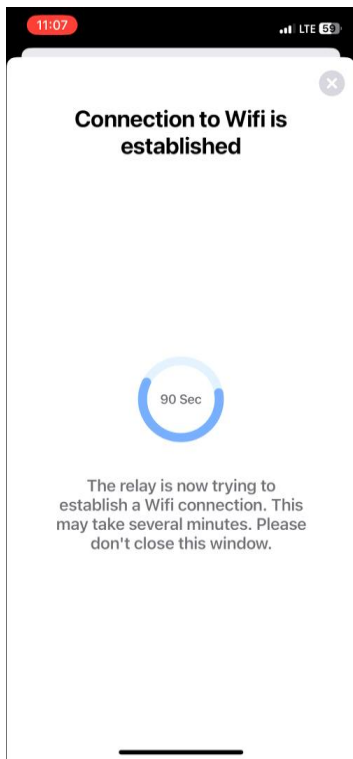


You will see that your WiFi network was found successfully.

To finally set up the WiFi network with the ME SENSE RELAY, please tap on "Connect relay to WiFi".



You can follow how the connection is set up and established.

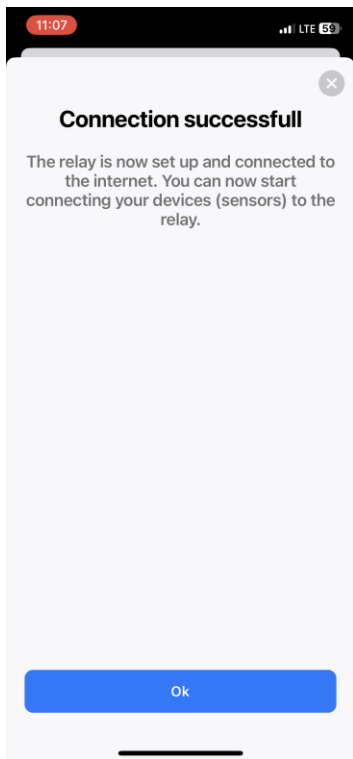


The ME SENSE RELAY is now successfully connected to the WiFi network.

To check, you can watch the blue LED on the ME SENSE RELAY.

Every 60 seconds it lights up for 1 second.

Confirm with OK".



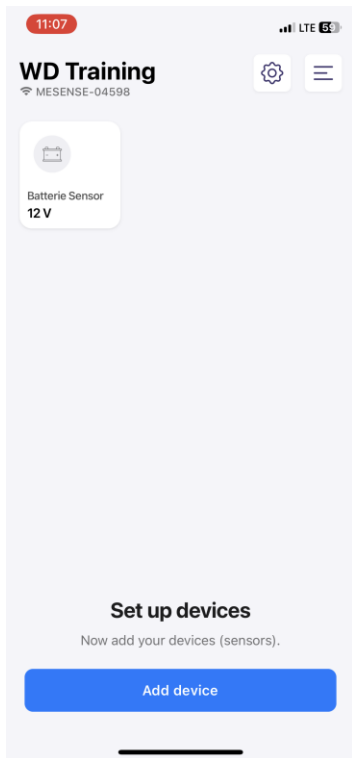
You are automatically taken to the main view of the app.

The individual sensors are displayed here in tile form

Since the ME SENSE RELAY also works as a battery voltage sensor, you can already see a first sensor value.

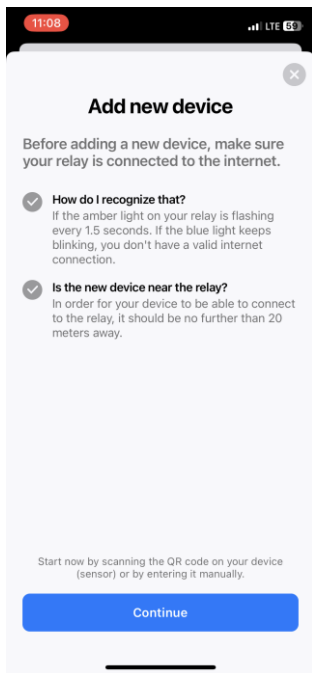
Now you can start integrating your ME SENSE sensors into the system.

Click on "Add device".



Before scanning the QR code of the sensor, please remove the battery protection first. To do this, simply pull out the strip.

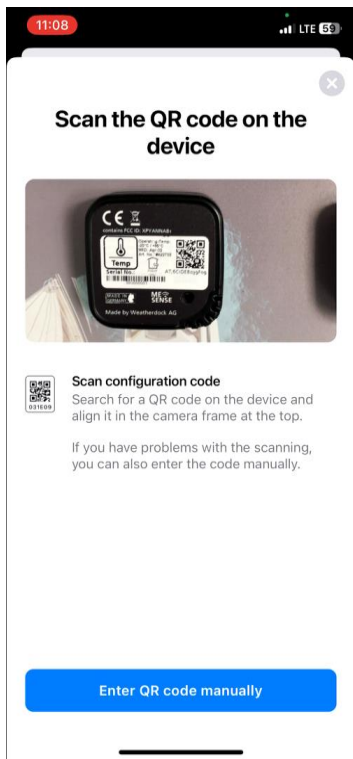
This display appears to be on the safe side, to check again whether everything is actually OK and error messages can be avoided.



The dialog window opens and you can use the camera of your mobile device to conveniently scan the QR code that is displayed on the device.

Alternatively, you can also enter the configuration code manually. Pay attention to the exact spelling with upper and lower case letters.

You will find this directly below the QR code.



So that you can better distinguish between the different sensors, you can enter a separate designation for each sensor, which will then be displayed in the app.

To do this, tap in the input field.

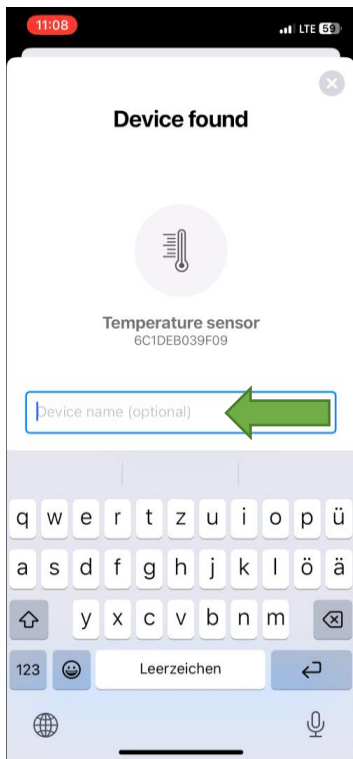
You can use the keyboard to enter the new sensor name.

Finally, press the "Enter" key on your keyboard to return to the display.

You can use the keyboard to enter the new sensor name.

Finally, press the "Enter" key on your keyboard to return to the display.

You can confirm your entry with "OK".





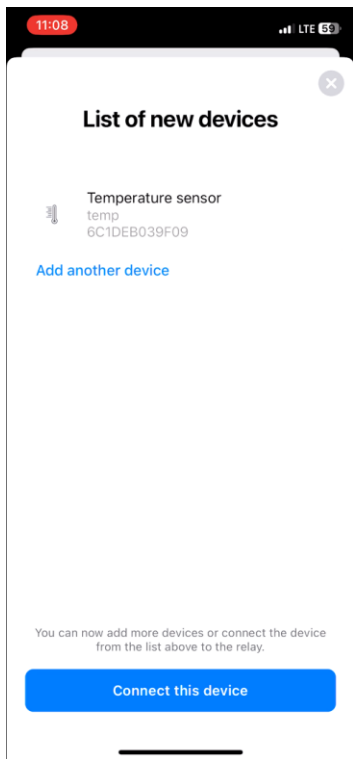
You will be shown that the scanned sensor has been read in correctly and is ready to be connected to the ME SENSE RELAY.

Only after this connection is the sensor tile displayed in the overview.

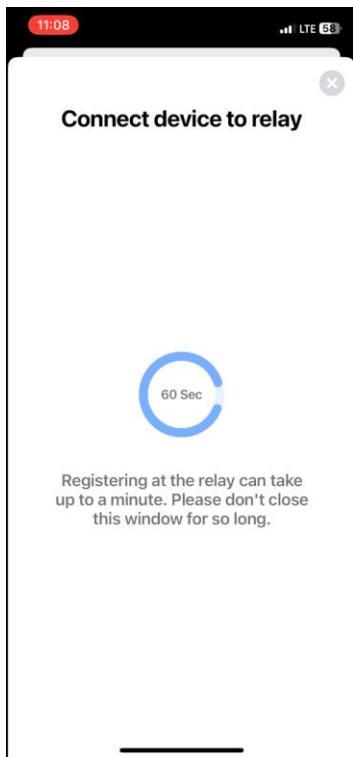
Tap on "Connect this device".

Here you also have the option of scanning additional sensors directly if necessary and then having them connected to the ME SENSE RELAY at the same time.

So that you can be sure of the correct installation of the sensors, we recommend that you proceed step by step and connect each sensor separately one after the other.



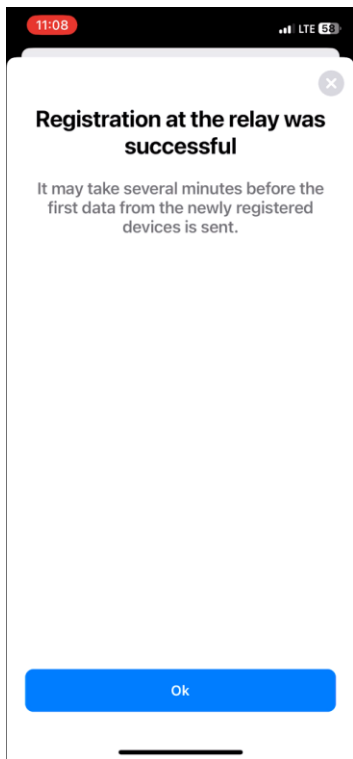
You can again experience in real time how the connection is established.



The sensor has been successfully connected to the ME SENSE RELAY.

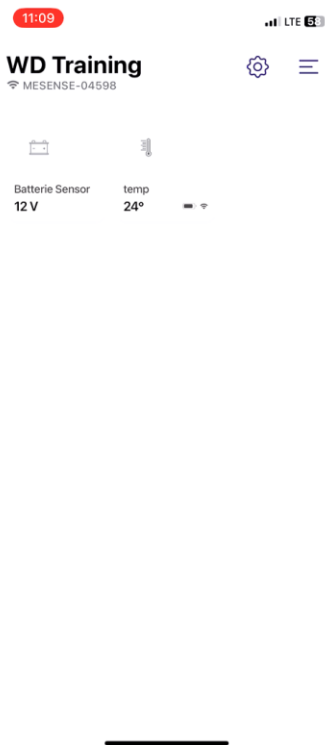
It may take a while before the sensor data is received for the first time.

Tap OK. You will be taken back to the central view of the ME SENSE app.



As soon as the sensor data is received, you will see the current value, in this case the current temperature.

In the tile you can also see the battery status of the sensor and the connection quality.

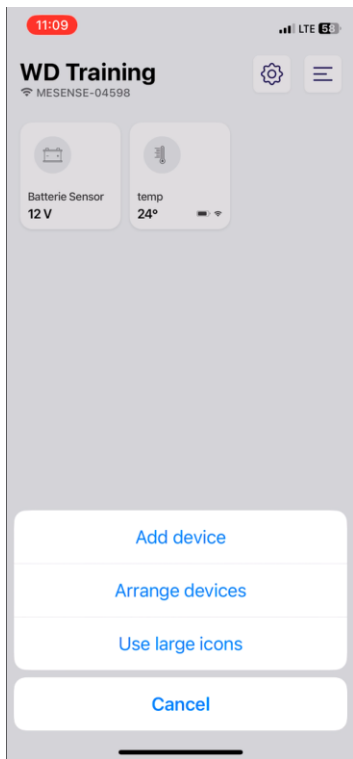


If you would like to add another sensor to your system, please tap on the "gear symbol".

Then tap on "Add device".

The dialog and the procedure from the first sensor is repeated.

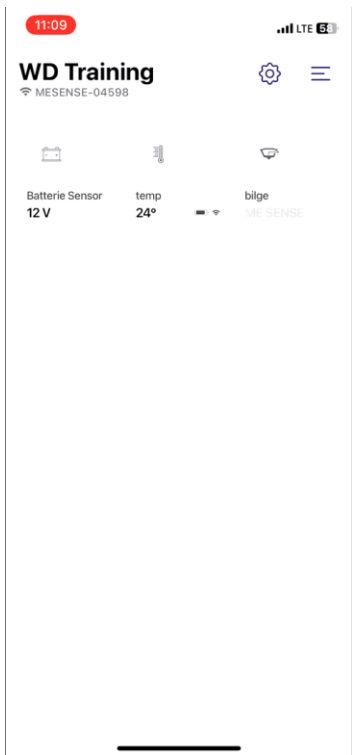
Once you have connected all the sensors, you will automatically return to the main app display.



You see an overview of all devices that are now integrated into your ME SENSE system.

At the same time, you notice that only the values from the sensor that was read in first are visible. All other sensors are greyed out.

The ME SENSE app can be downloaded free of charge from the Apple Store and Google Play Store. The basic set (battery voltage and temperature sensor) can be used without further ado in the basic version of the app. If additional sensors are added, an annual subscription is required, which can be purchased in the app via the App Store. For a period of 12 months, the subscription allows the use of up to 20 sensors and up to 10 switches (ON/OFF). The subscription price is €29.99.



Tap on a greyed out tile and you will get this display

### Take out a subscription

Here you can take out a subscription by being forwarded to the App Store.

The price for an annual ME SENSE subscription is €29,99

### Enter Activation Code

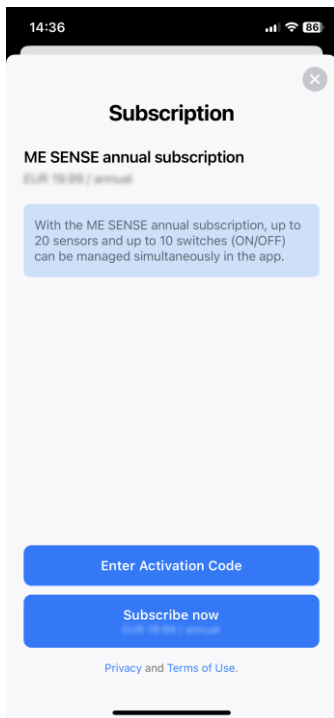
If you have purchased the ME SENSE Advanced Set, you can enter the activation code provided once to unlock a free annual subscription.

### Use existing subscription

You can use a subscription that already exists for your profile.

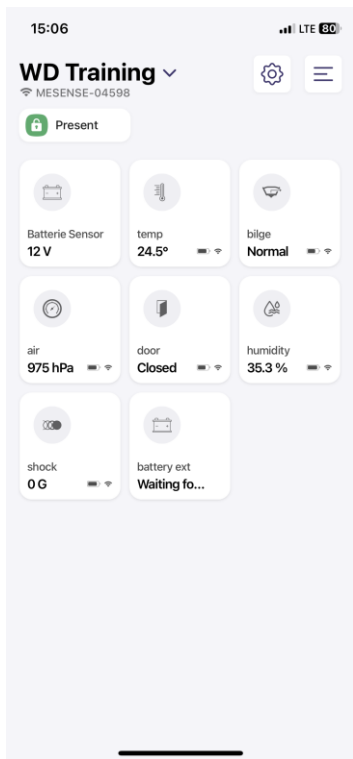
Follow the instructions and you will get to this screen.

Tap on "Done" so that you can see the values of all connected sensors.



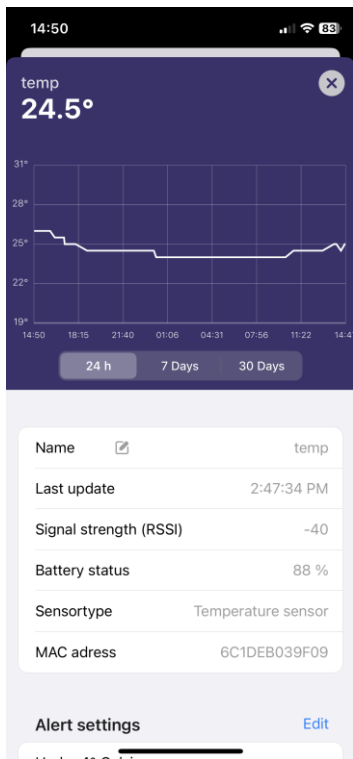
Your ME SENSE command center is ready, where you have an overview of all values.

You can use the gear icon to change the size of the tiles or rearrange the tiles.



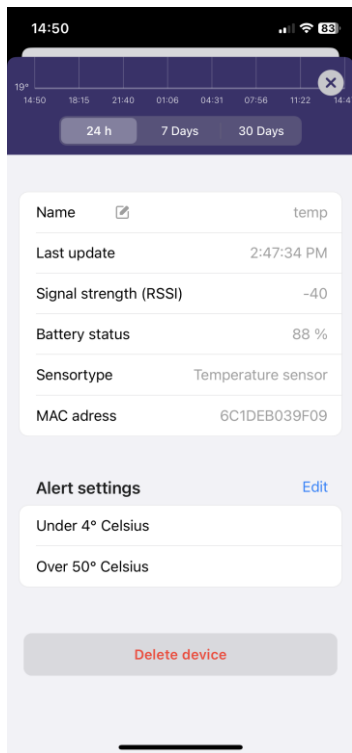


If you tap on the tile of a specific sensor, you will receive detailed information. You can continue to scroll down this display.



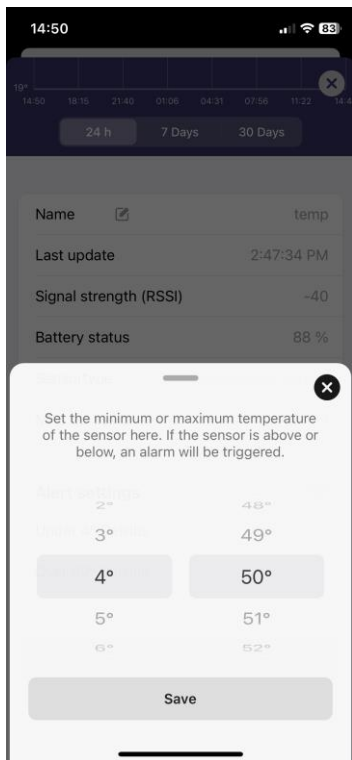
You also have the option of configuring the alarm thresholds at which an alarm should be generated yourself.

If you e.g. If several temperature sensors are used, for example, different alarm thresholds make sense.



Choose the values depending on where the sensor will be used.

Then click on "Save". The "X" takes you back to the tile view.

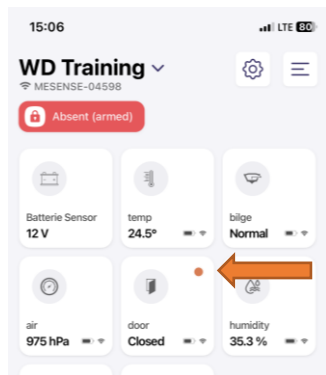
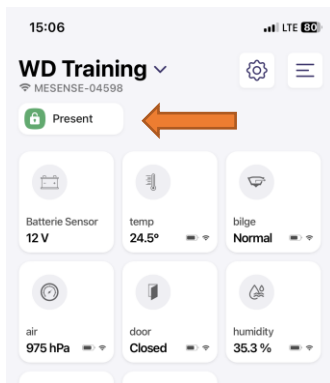


If you use a ME SENSE door sensor, you have the option in the app to indicate whether you are "Present" on board or whether you are "Absent" on board.

You can switch between "Present" and "Away" by tapping.

With "Absent" the door sensor is activated and now sends an alarm message when the door is opened.

The red dot in the door sensor's tile display also indicates that the sensor is "armed".

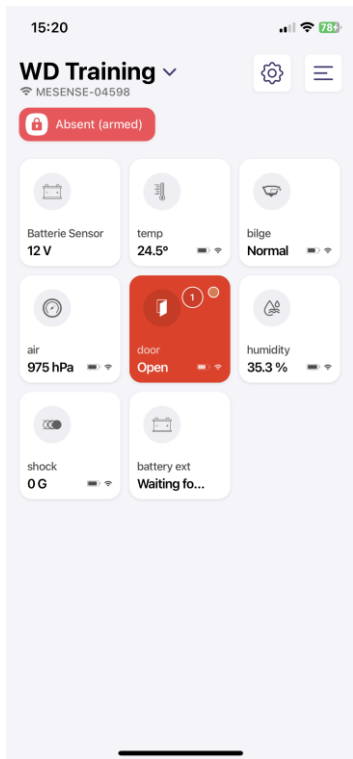


Here you can see an alarm message for an open door in your absence.

Tap on the tile to get more information.

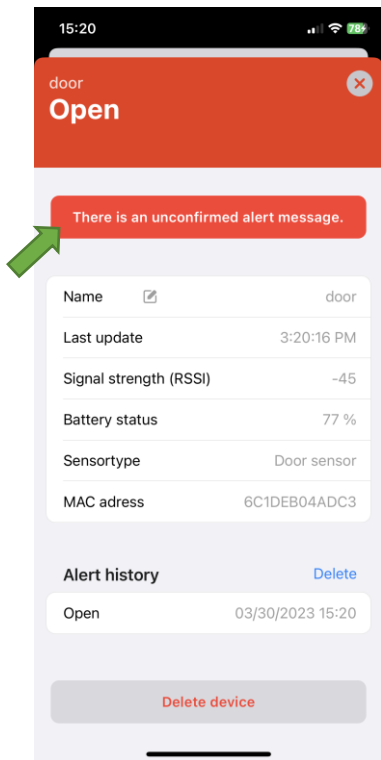
Here you can see all values and data of the door sensor. The display can be scrolled further down.

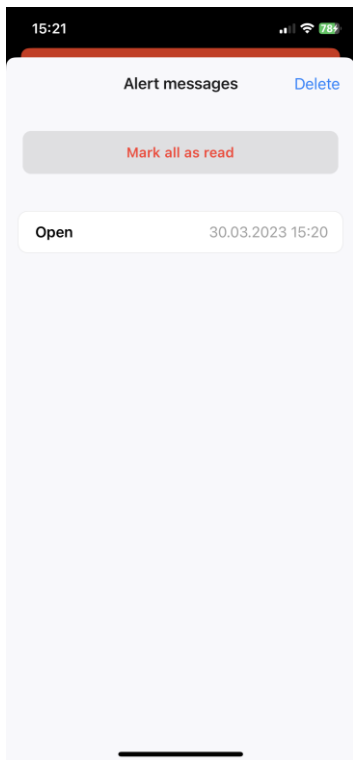
You can cancel the alarm by tapping on the red field.



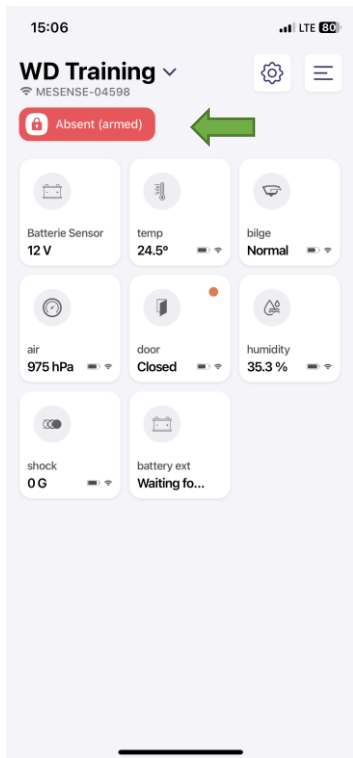
Here you can see all values and data of the door sensor. The display can be scrolled further down.

You can cancel the alarm by tapping on the red field.



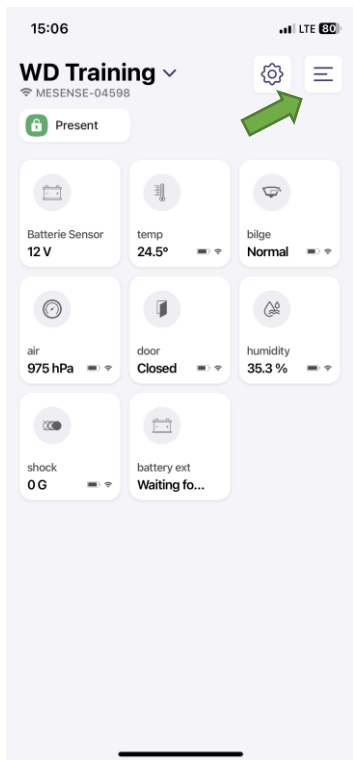


For the period in which you are on board, it is best to deactivate the door sensor so that you do not receive any false alarms





About the so-called "Burger menu" takes you to further settings.



15:51



## Settings

## GENERAL

Account michaelknipp@g... &gt;



Notifications &gt;

Language English &gt;

Appearance Automatic &gt;

About ME SENSE &gt;

## MY BOATS


**WD BOOT Ca...** 6009C390EDB6 >  
 22 Meter Fiber Sailboat Premium

**WD Training** 6009C390F01A >  
 14 Meter Fiber Sailboat Premium
[Add boat](#)

15:52



## WD Training

Firmware: 3.0.0

**ME SENSE annual subscription**

EUR 19.99 / annual (Activation Code) &gt;

Valid until 07/20/2023

## SENSORS / DEVICES

**Battery sensor**Batterie Sensor  
6009C390F01A i**Temperature sensor**temp  
6C1DEB039F09 —**Water sensor**bilge  
6C1DEB04ADAB —**Air pressure sensor**air  
6C1DEB039F35 —**Door sensor**door  
6C1DEB04ADC3 —**Humidity sensor**humidity  
6C1DEB039AF3 —**Shock sensor**shock  
6C1DEB039B6F —

16:01



## Notifications

PUSH NOTIFICATIONS

Sensor alarms



16:01



## Language

Deutsch



English



Español



## 5 Options

### 5.1 ME SENSE GATE LTE



*Figure 5 ME SENSE GATE LTE*

In the event that no WiFi network is available or cannot be used, the ME SENSE GATE LTE can be used.

You need a SIM card with LTE data volume. When purchasing, please ensure that the card can be used without a "SIM PIN".

After unlocking and activating the SIM card, insert it into the device. Now all you have to do is follow the instructions described in point 5:

- Activate Bluetooth on the smartphone
- Open the ME SENSE app
- Scan the ME SENSE RELAY QR code
- Scan the QR code on the back of the ME SENSE GATE LTE.
- Select the network of the ME SENSE GATE LTE,

Enter login and password, than press "ACTIVATE".

## 5.2 Available Sensors

### 5.2.1 ME SENSE Temperature Sensor

This sensor can easily be attached anywhere where a temperature is to be measured. Simply attach to the wall with double-sided tape .

### 5.2.2 ME SENSE Bilge Sensor

Attaching the sensor for the bilge water is a little more complicated. The wired float should be placed so that it can "float freely". Therefore, the installation height of the float should be chosen so that rising water can be detected early enough and an alarm can be given from a certain height.

In addition, the position of the sensor and the float must be selected in such a way that the natural rolling movement of the ship and a possible banked position on the "upwind course" do not lead to false triggering of the sensor. This results in a position in the bilge that is midships and faces bow or stern. Attaching the sensor to port or starboard is therefore not advisable.



*Figure 6 ME SENSE positioning of bilge sensor*

---

Furthermore, it must be ensured that the sensor housing itself does not come into contact with water .

For attachment, the float can be screwed, glued or fixed in the intended position with cable ties .

### 5.2.3 ME SENSE Door Sensor

The sensor can be attached to any door that is to be monitored. The two magnets are each attached to the door frame and door leaf or bulkhead. It is important to ensure that there is as small a gap as possible between the magnets when they are closed. This closes an electronic circuit. However, it is possible to place the two magnets across the corner if this should be necessary for your installation.

If the door or bulkhead is now opened without permission, the circuit is broken and an alarm is generated via the ME SENSE RELAY in the ship owner's app.

### 5.2.4 ME SENSE Air Pressure

All other sensors can be easily attached to the place where they are supposed to do their job using double-sided adhesive tape. It is particularly important for touring sailors to be informed of even small changes in air pressure within a few hours. These changes are usually harbingers of thunderstorms.

### 5.2.5 ME SENSE Humidity

Who hasn't experienced it themselves? Mold stains in the fabric because something on the ship's side "sweated" or was

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stored damp. The ME SENSE humidity sensor can help here. The room climate is constantly measured every minute.

### 5.2.6 ME SENSE Acceleration

This sensor measures vibrations on the hull of the ship. As soon as the ship bumps into something or hits something, this "force impulse" is transferred to the ship's hull and can be measured as (negative) acceleration. In the event of an unsuccessful mooring maneuver, e.g. B. in a lock, values of 5 or more "G" can be reached quickly.

### 5.2.7 ME SENSE Shore Power

This sensor indicates whether shore power is (still) available or not. The ME SENSE Shore Power sensor is plugged into a 230 V socket on board. Then the sensor needs to be registered with the QR code in the ME SENSE app. The app shows whether shore power is available.

The socket of the shore power sensor can be used, but must be switched on by pressing a button ("ON/OFF").

The ME SENSE Shore Power sensor reports via Bluetooth® to the ME SENSE Relay whether shore power is available or not. The socket cannot be switched on and off via the ME SENSE app.

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## 5.3 Connection to other WiFi networks

8 different access points or WLAN networks can be created .

All you have to do is follow the steps below :

- Open the ME SENSE app
- Scan the ME SENSE RELAY QR code
- Select the menu item "Select Network"
- Find the new network and enter the corresponding password
- Click on "ACTIVATE" to complete the process.



## 6 LED Explanation

### 6.1 ME SENSE RELAY

#### 6.1.1 Yellow LED

Flash	Every 2 Seconds In Operation – everything OK
Off	Device is not connected to power supply (switched off or in battery mode)
On	There is a Bluetooth® connection with the mobile end device / app

#### 6.1.2 Blue LED

On	<ul style="list-style-type: none"><li>• Configuration (every 60 seconds)</li><li>• Sending and receiving data</li></ul>
Off	<ul style="list-style-type: none"><li>• Regular Operation</li><li>• No WiFi activities</li></ul>
fast flashing	<ul style="list-style-type: none"><li>• Connection error, e.g. B. to an access point or to the cloud</li></ul> <p>(Note: Data cannot be sent because access point or cloud could not be reached. No external intervention is required as the de- vice automatically attempts to reestablish the connection. Flashing can last up to 60 minutes).</p>

## 6.2 ME SENSE Sensors

### 6.2.1 Red LED

Flash	<ul style="list-style-type: none"><li>• After activation; every second for about 10 minutes</li></ul>
Off	<ul style="list-style-type: none"><li>• Regular Operation</li><li>• No WiFi activities</li></ul>
1x Flash	<ul style="list-style-type: none"><li>• Regular Operation</li><li>• WiFi activity for data transfer</li><li>• Flashing takes place at intervals</li></ul>
Schnelles Blinken	<ul style="list-style-type: none"><li>• • Connection error (no external intervention is required as the device automatically attempts to reconnect)</li></ul>

## 7 Battery replacement for sensors

Normally, the battery in the sensors should be changed every year .

- Use a pointed but flat tool or a coin
- Take hold of the bulge in the housing and lever it upwards



- Change the CR2450 battery
- After the change, the ME SENSE sensor automatically reconnects to the ME SENSE RELAY
- Important:  
Be diligent when changing batteries and only use batteries that you know are 100% new and fully charged.

## 8 Troubleshooting

No connection to the WiFi network (blue LED flashes rapidly)

- The WLAN network is currently not available
- Check the place where you placed the ME SENSE RELAY (not in a metal environment, etc)
- Check in the app whether the connection to the sensors has been broken
- Check the SSID and password for correct entry
- Read out the error in the app, e.g. no access point available

Yellow status LED does not light up

Please check the power supply

No connection to the sensors

Check the location of the sensors. Note the Bluetooth range

Sensor no longer reports data

Check the battery and replace if necessary

Sensor can no longer be switched on

Check the battery and replace if necessary

## 9 Technical Data

<b>ME SENSE RELAY WiFi</b>	
<b>General</b>	
Dimensions	125 x 100 x 50 mm (L x W x H)
Weight	160 g without WiFi Antenna
operating temperature range	-20°C bis +70°C
storage temperature range	-40°C bis +70°C
<b>Power Supply</b>	
operating voltage range	9 – 32V DC
Power consumption (typ.)	100 mW
<b>Connections</b>	
power supply	2-pole supply line, 1,5 m
RP SMA-Plug	for WiFi-Antenna
<b>Bluetooth / WiFi Modul</b>	
Bluetooth Low Energy	Bluetooth 4.2
<b>WiFi</b>	
Standards	IEEE 802.11b/g/n/d
<b>ME SENSE Sensors</b>	
<b>General</b>	
Dimensions	50 x 50 x 20 mm (L x W x H)
Weight	ca. 30 g
operating temperature range	-20°C bis +70°C
storage temperature range	-40°C bis +70°C

Supply	
operating voltage	3V DC
battery type	CR2450
battery life	1 Year
Bluetooth Low Energy	
frequency range	2,400 – 2,4835 GHz
Supported modes	Bluetooth 5.0

## 10 Approval

Below is the “Declaration of Conformity”.


## EC DECLARATION OF CONFORMITY

We: **Weatherdock AG**,  
Emmericher Straße 17, D-90411 Nürnberg

declare under our sole responsibility that the products

Name and Type	<b>ME-SENSE Relay and Sensors</b> Type Number:
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are manufactured conform to the contents of the following table:

EU Council Directive	Radio Equipment Directive (RED) 2014/53/EU	
Testing standards	<ul style="list-style-type: none"> <li>• EN 62368-1: 2014+A11</li> <li>• EN 62479,</li> <li>• EN 60950-1, IEC 60950-1</li> <li>• EN 301489-1, -17</li> <li>• EN 200 328 V2.2.2</li> <li>• EN 300 330 V2.1.1</li> <li>• EN 50581:2012</li> <li>• EN 60601-1-2:2014</li> </ul>	<ul style="list-style-type: none"> <li>• v5.0 (Bluetooth low energy)</li> <li>• Directive 2011/65/EU (EU RoHS 2)</li> <li>• Directive 2015/863 (EU RoHS 3)</li> </ul>
Name, Address of manufacturer	Weatherdock AG, Emmericher Straße 17, D-90411 Nürnberg	
Type Approval (Bluetooth and WLAN)	Europe (ETSI RED); US (FCC/CFR 47 part 15 unlicensed modular transmitter approval); Canada (ISED RSS); Japan (MIC); Taiwan (NCC); South Korea (KCC); Australia / New Zealand (ACMA); Brazil (Anatel); South Africa (CASA)	
Marking on device label		
EU		
FCC	Contains: FCC ID: XPYANNAB1	
ISED	Contains: IC: 859A-ANNAB1	

**Usage:**

The intended usage of the ME-Sense products is to monitor sensor parameters on a boat with a smart-phone app. Sensors are connected to ME-Sense-Relay using Bluetooth LE. The ME-Sense-Relay is connected to the internet using WiFi.

**Technical Construction File:**

The technical construction file for this product is held by Weatherdock AG  
On behalf of Weatherdock AG

  
Alfred Kurbusch-Zeiss, CEO  
July 12th, 2022

  
Jürgen Zimmmermann, CTO  
July 12th, 2022

## Appendix:

### RF-exposure statement

#### IC Compliance

This equipment complies with the requirements of IC RSS-102 issue 5 radiation exposure limits set forth for an uncontrolled environment. Having a separation distance of minimum 10 mm between the user and/or bystander and the antenna and /or radiating element ensures that the output power (e.i.r.p.) of ANNA-B112 is below the SAR evaluation Exemption limits defined in RSS-102 issue 5.

#### FCC Compliance

This device complies with the FCC radiation exposure limits set forth for an uncontrolled environment. The maximum output power of ANNA-B112 is below the SAR test exclusion limits presented in KDB 447498 D01v06 applicable for separation distances between 0 mm and 5 mm. Therefore, SAR evaluation is not needed.



## 11 Service / Warranty

Weatherdock AG guarantees this product for a period of 2 years from the date of purchase for material and manufacturing defects. Within this period, Weatherdock AG will, at its own discretion, repair or replace defective components in normal use. Repairs or replacements will be made at no charge for parts or labor. However, the customer bears the shipping costs. This warranty does not apply to abuse, misuse, accident, or unauthorized modifications or repairs.

The implied warranties and rights are exclusive and in lieu of all other express or implied warranties and or statutes, including any statutory or otherwise implied warranties of merchantability or fitness for a particular purpose. This warranty gives you specific legal rights which vary from country to country. In no event shall Weatherdock AG be liable for any incidental, special, indirect or consequential damages arising out of the use or possible non-use of the product or any defect in the product. Weatherdock AG reserves the sole right to repair or replace the device or the software or to refund the purchase price. This right is your sole and exclusive right in the event of a warranty claim.

In Online-Auktionen erworbene Produkte berechtigen nicht zu Nachlässen oder zur Nutzung von Sonderangeboten Weatherdock AGs. Auch werden Kaufbestätigungen aus Onlineauktionen nicht als Nachweis für Gewährleistungsansprüche anerkannt. Zur Befriedigung von Gewährleistungsansprüchen ist

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stets ein Originalkaufbeleg des Händlers erforderlich. Weatherdock AG ersetzt keine fehlenden Geräte- oder Zubehörteile in Produkten, die in Online-Auktionen erworben wurden. Im Gewährleistungsfall setzen Sie sich mit Ihrem Weatherdock AG-Händler in Verbindung. Er wird das weitere Vorgehen mit Ihnen abstimmen. Verpacken Sie das Gerät im Falle eines Versandes sorgfältig und senden Sie es ausreichend frankiert an die Adresse, die Ihr Händler Ihnen nennt. Legen Sie bei Gewährleistungsreparaturen stets eine Kopie des Originalkaufbelegs als Eigentumsnachweis bei. Die Geräte der ME SENSE-Serie von Weatherdock enthalten keine vom Benutzer zu reparierenden Teile. Wenn ein Problem mit Ihrem Gerät auftritt, wenden Sie sich an Ihren Händler. Jeder Versuch das Gerät zu öffnen, ändern oder zu modifizieren, führt zum Erlöschen der Gewährleistungsansprüche und kann das Gerät irreparabel beschädigen.

Opening the device by an unauthorized person will void the warranty! Please contact your authorized dealer.

## 12 Contact and Product Support

Although Weatherdock AG always endeavors to process all publications with the greatest possible accuracy, these instructions may contain errors or ambiguities.

In addition, changes to these instructions are the sole responsibility of Weatherdock and can be carried out without prior notice.



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Safety • Navigation • Tracking

Emmericher Straße 17  
90411 Nürnberg

Tel.: 0911-37663830

Fax: 0911-37663840

**E-Mail:** [info@weatherdock.de](mailto:info@weatherdock.de)

**URL:** [www.easyais.com](http://www.easyais.com)