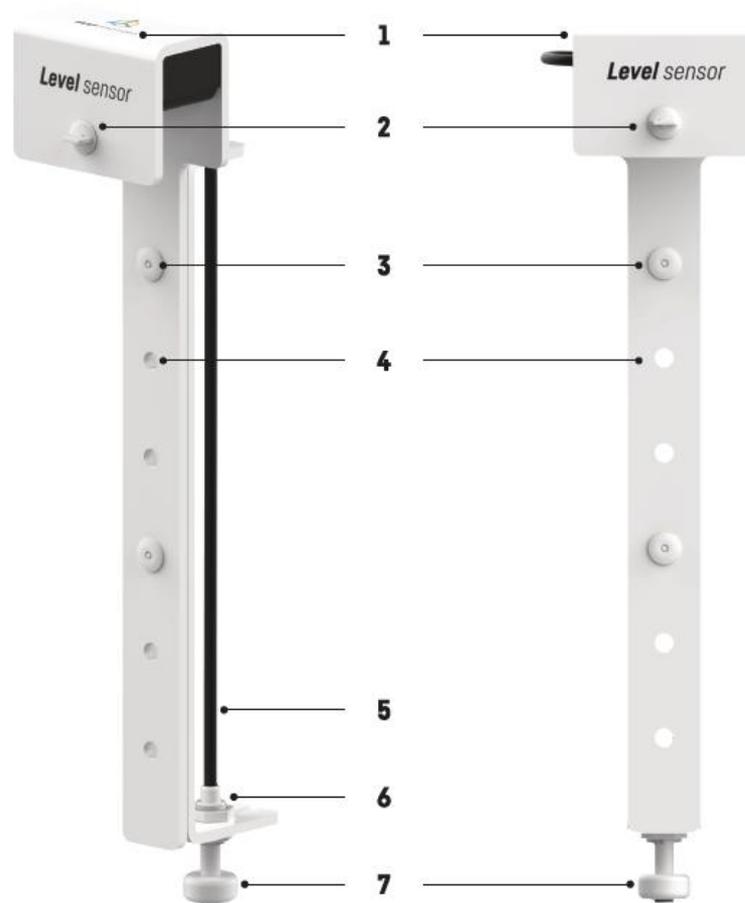


Thank you for purchasing our device

Level sensor

Apart from the *Level sensor* device itself, the package contains the following elements: a power supply unit, a magnet that can be used to reset the device, an abbreviated manual and elements that can be used to mount the device in any place you like. In order to set up the device correctly, follow the steps below.

1. The picture below shows how to install the device correctly.



- 1 - place the magnet here to reset the device
- 2 - stabilizing screw
- 3 - fixing bolts and nuts
- 4 - holes for bolts and nuts

- 5 - liquid level detector wire
- 6 - liquid level detector screw
- 7 - liquid level detector

2. Connect the device to the power supply unit. When the device starts working, you will hear a short sound.
3. The device can be set up via a browser on a PC, laptop, tablet or smartphone. To do so, you'll first need to view the list of Wi-Fi networks available on the device. Then connect to the network with a name corresponding to the serial number of your device, in accordance

with the following pattern: **RFLSXXXXXXXXXXXXX**. Our device is compatible with 2,4 GHz networks.

To log in, enter the following password:

reeffactory

3. Open an Internet browser on the device and type the following address in the “website address” field:

www.levelsensor.io

If you entered the address correctly and you still see the following message, it means that a connection with the device couldn't be established, so the connection with your home Internet network (wired or wireless) is still active.

This domain is used to configure **Smart Reef** device.
If you see this text it means that you are not logged properly into device Wi-Fi.

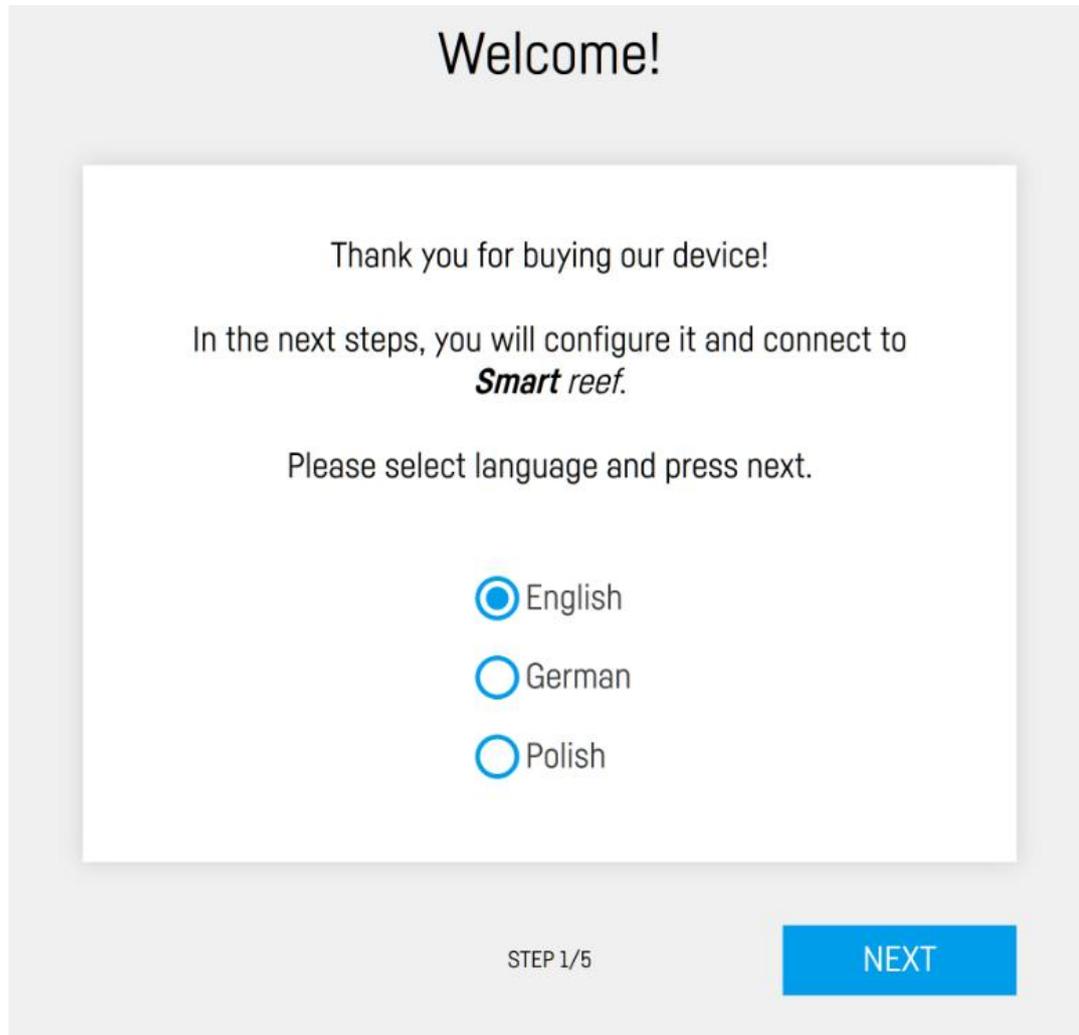
Please connect to the Wi-Fi device only (Wi-Fi password is **reeffactory**) and refresh this page.



Try to reconnect to the device and repeat the steps described above.

Set up your device in five simple steps.

Step one - choose the language you want to use when operating the device.



The screenshot shows a white dialog box on a grey background. At the top, it says 'Welcome!'. Below that, it says 'Thank you for buying our device!'. Then, 'In the next steps, you will configure it and connect to *Smart reef*.' followed by 'Please select language and press next.' There are three radio button options: 'English' (selected), 'German', and 'Polish'. At the bottom left of the dialog box, it says 'STEP 1/5'. At the bottom right, there is a blue button labeled 'NEXT'.

Step two - set up the device parameters, i.e.:

- specify whether the device should detect if the liquid level is too low or too high,
- specify whether the device should generate an alert signal when the liquid level is too low or too high.

The liquid level is measured by a level detector. Depending on the selected settings, the device will inform you when the liquid level in your tank is too low or too high. In order to avoid any “false alarms” caused by temporary liquid level fluctuations, the device sends the alert with a delay, while taking several additional measurements in the meantime.

During this time, the device will indicate a “**Between**” status for 15 seconds. The *Level sensor* will inform you if the liquid level is inappropriate (too low or too high) by generating a sound

alert. If you connect the device to *Smart Reef* system, you will additionally receive automatic emails or text messages to your email address or phone number.

Device setup

Alarm when liquid is

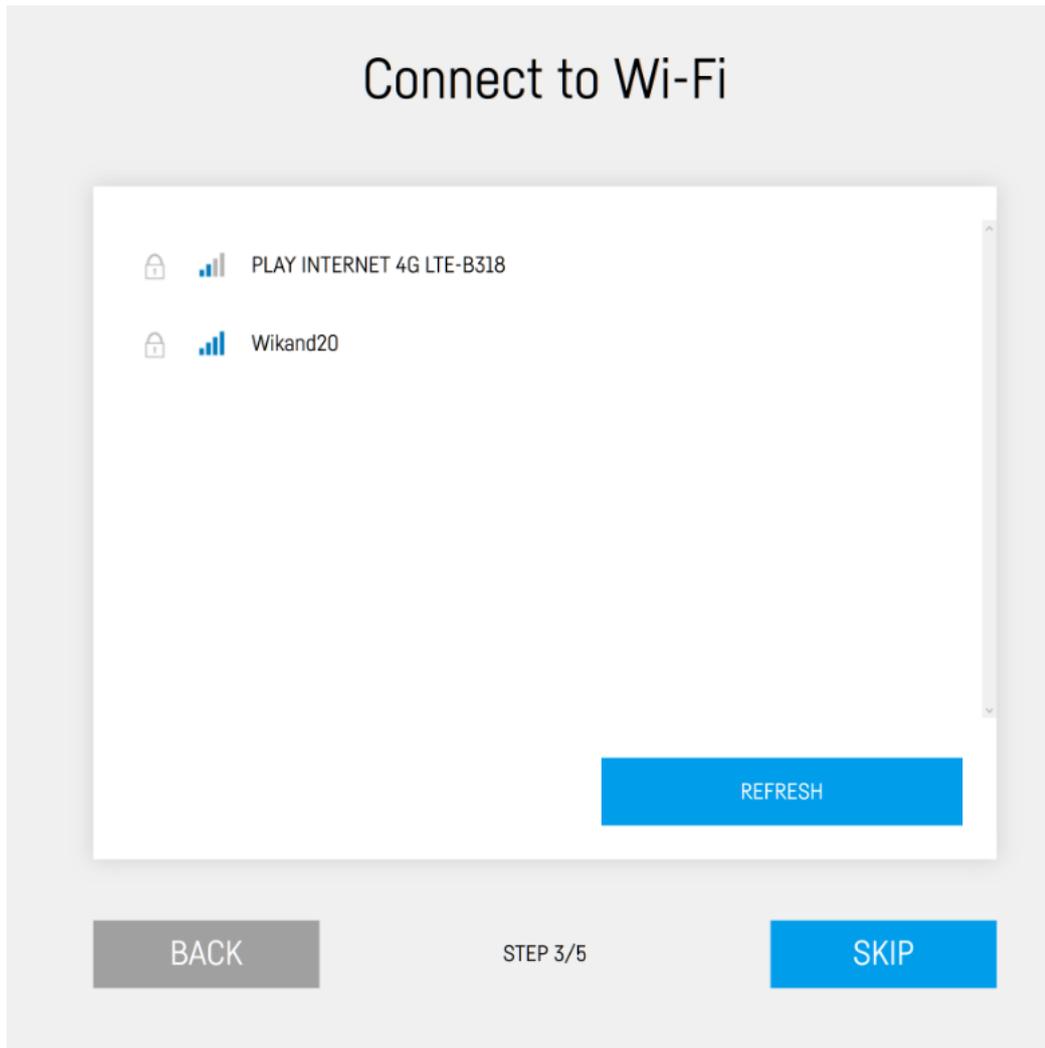
Below Above

Sound alarm is

On Off

BACKSTEP 2/5NEXT

Step three - connect the device to your home Wi-Fi network. If the network is secured, enter the password that protects your home network against unauthorized access.



If the device cannot connect to your home Wi-Fi network at first, repeat the procedure. Successful connection may depend on the type of network device you use and its manufacturer. The signal of your wireless network should be as strong as possible. Remember that in order to enable communication with the *Smart Reef* system, the network device which is connected to *Level sensor* needs to have Internet access.

When *Level sensor* successfully connects to your Wi-Fi network, its IP number will appear in the upper left corner of the screen. The appearance of the IP number means that everything is alright.

Connected to Wi-Fi at IP: 192.168.1.20

Connect to Wi-Fi

LOCK [Signal] PLAY INTERNET 4G LTE-B318

✓ [Signal] Wikand20 [DISCONNECT]

[REFRESH]

BACK

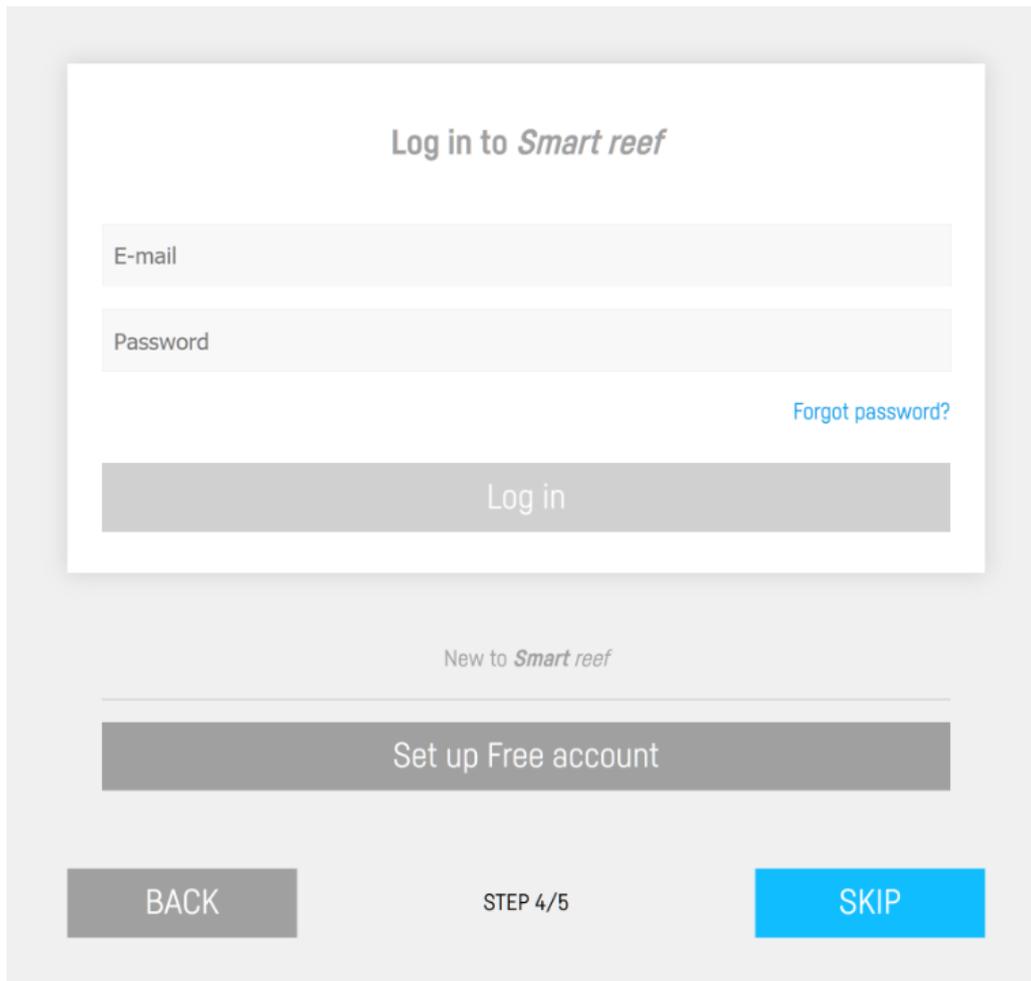
STEP 3/5

NEXT

Step four - create a free *Smart Reef* account by pressing the “Create a free account” button. Please note that in order to do so, you will need to connect to the wireless Internet network and not to the device itself.

Your account password should be appropriately obscure and difficult to decipher.

This way, you will be able to operate the device remotely, control the liquid level and use additional functionalities. If you already have a *Smart Reef* account, enter your login data to add your new device to the system. If you don't need to manage your device remotely, you may ignore this step. However, by doing so you will miss out on several additional features, such as access to device updates.



The image shows a mobile application screen for logging into the Smart Reef system. At the top, the text "Log in to *Smart reef*" is centered. Below this are two input fields: "E-mail" and "Password". To the right of the password field is a blue link that says "Forgot password?". A large grey button labeled "Log in" is positioned below the input fields. Below the "Log in" button, the text "New to *Smart reef*" is centered, followed by a large grey button labeled "Set up Free account". At the bottom of the screen, there are three buttons: a grey "BACK" button on the left, the text "STEP 4/5" in the center, and a blue "SKIP" button on the right.

Step five - congratulations, you have successfully set up your *Level* sensor device.

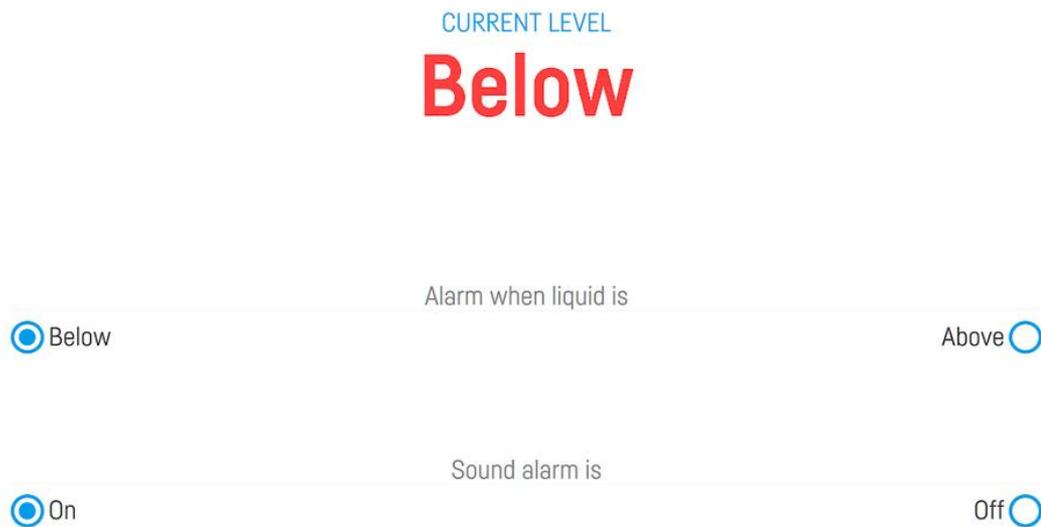
Thank you!

Congratulations, you have just set up your device!

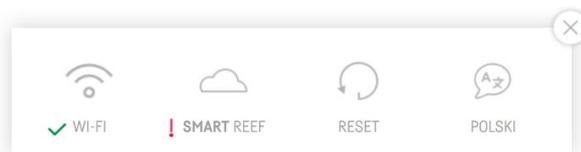
If you have connected your device to your Smart Reef account, change the network to your Wi-Fi home network. Then log in to your Smart Reef account and use the device.

BACK STEP 5/5 FINISH

- After the setup procedure is finished (after pressing the “FINISH” button), the current status of your device will appear on the screen.



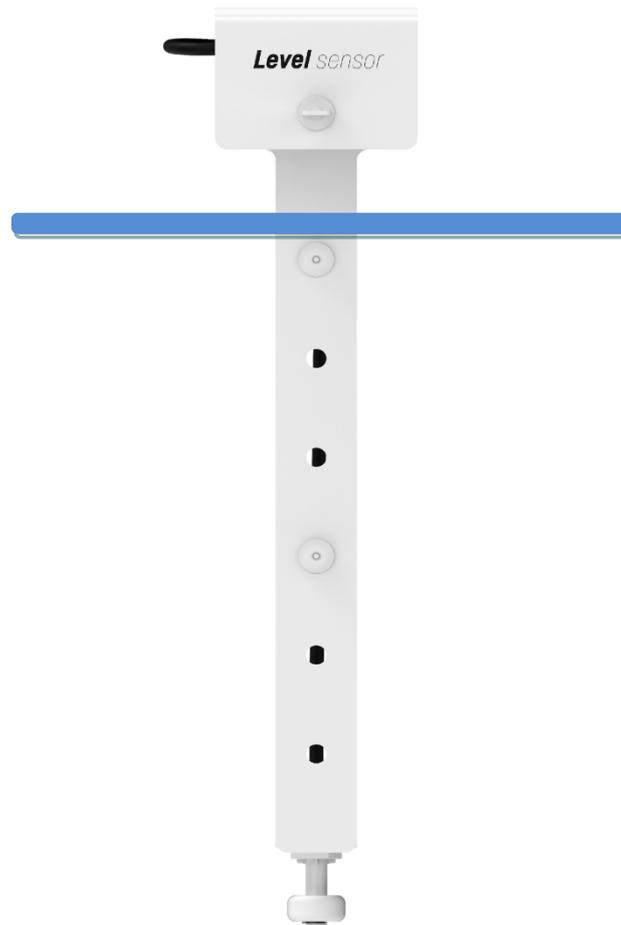
- In the upper right corner of the screen you  will find a drop-down menu icon. There you can introduce any necessary changes or to repeat the setup procedure. It also contains additional functions, including options for Wi-Fi network management, device network password, which protects your device against any unauthorized remote access, *Smart Reef* account management, language selection and the possibility to restore your device to default settings. Moreover, the icons show the current status of connection to your wireless network and to the *Smart Reef* system.



The  symbol means that the connection is OK, while the  symbol means that there is no connection.

- Now you'll need to install your *Level sensor* in such a way that correct liquid level measurement is ensured in your tank. Gently tighten the stabilizing screw. Try not to use too much force, as the elements of the device are made of plastic and their resistance to mechanical stress is technologically limited.

Remember that the device is not entirely watertight and it must not be submerged in the liquid below the blue line. Otherwise, it can be permanently damaged.



7. Resetting the device

If your device does not work properly, or you want to repeat the setup procedure, or you cannot connect to it despite several attempts, you may restore it to its default settings by placing a magnet (included in the package) on the top part of its housing (above the name *Level sensor*).

Tip: move the magnet from the left to the right side of the device, to make it possible for the device to detect its presence. The device will indicate the beginning of the resetting process by emitting three sound signals and next one short sound.

8. Connect to your Internet network via a computer or a mobile device. Next, go to www.reeffactory.com and log in to your *Smart Reef* account. Check, if your device has been properly added to the list of your devices. You can change its name and assign it to one of your aquariums. The serial number of your device and its firmware version are displayed in the lower right corner of the screen. Our devices are SMART; therefore, we constantly improve them. From time to time, you will receive information about firmware updates that will make your device work even better.

9. Notice the icons located in the upper right corner of the screen. They make it possible to change the language, view the history of notifications registered by the device, contact us and access many more interesting features offered by the device.



8. Additional and up-to-date information about the device, its operation and setup can be found at our website www.reeffactory.com, in the relevant product tab.