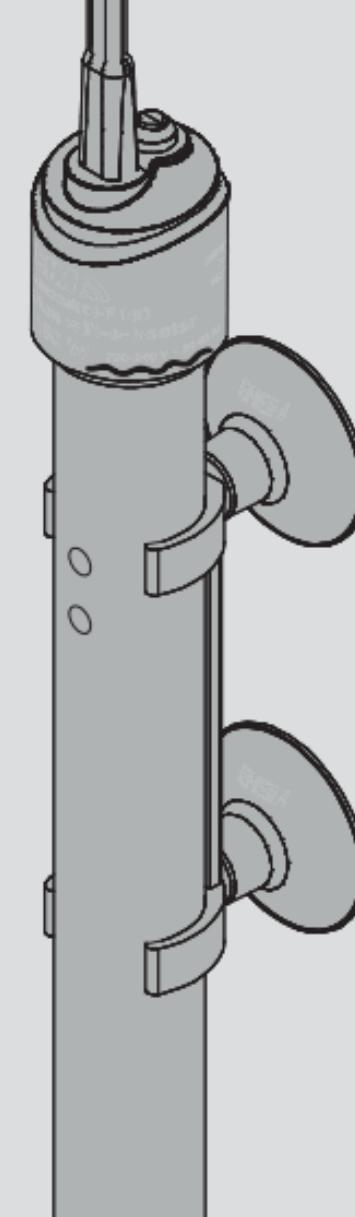




ENGINEERED BY **EHEIM**



AQUARIUM HEATER

PRO150 W

(Type 5310051)

PRO200 W

(Type 5310053)

PRO300 W

(Type 5310052)



en

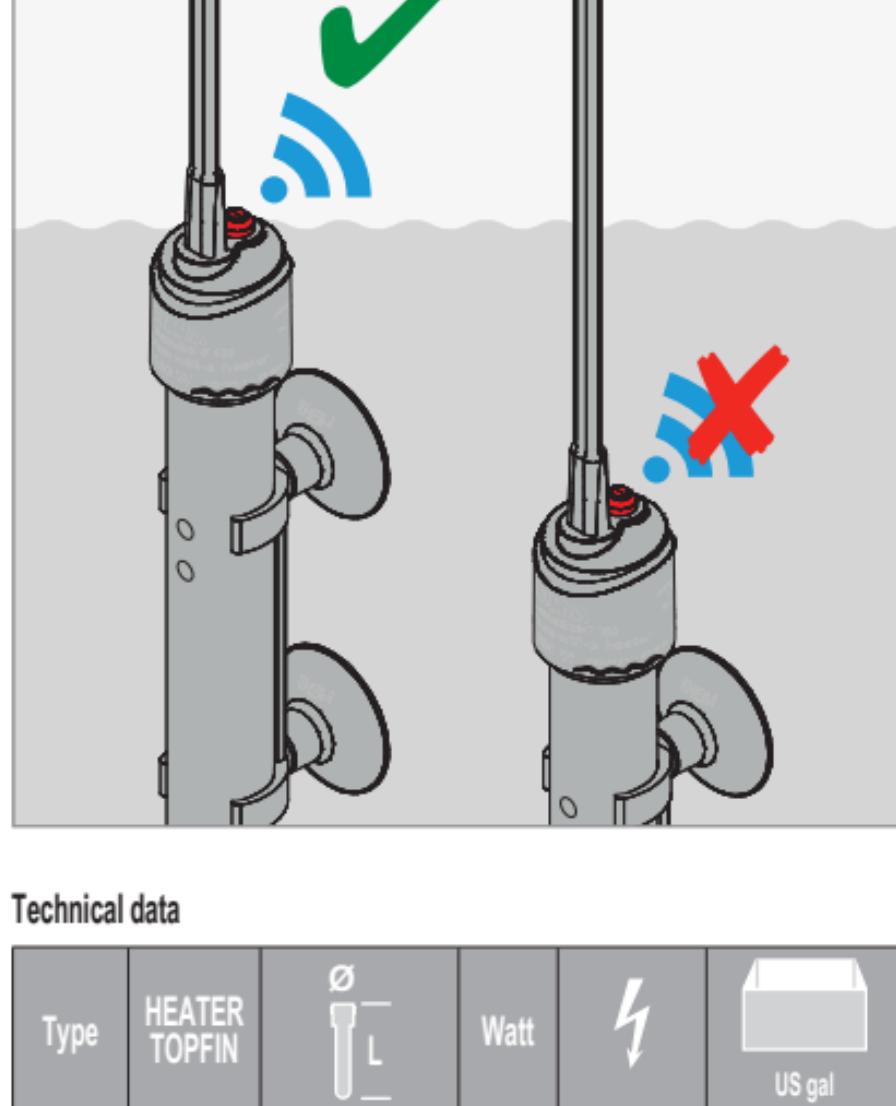
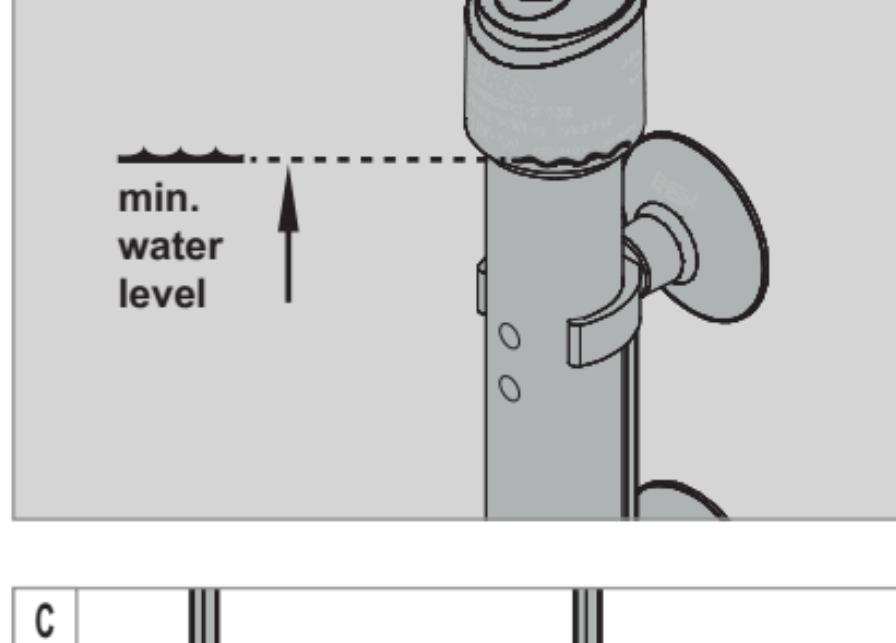
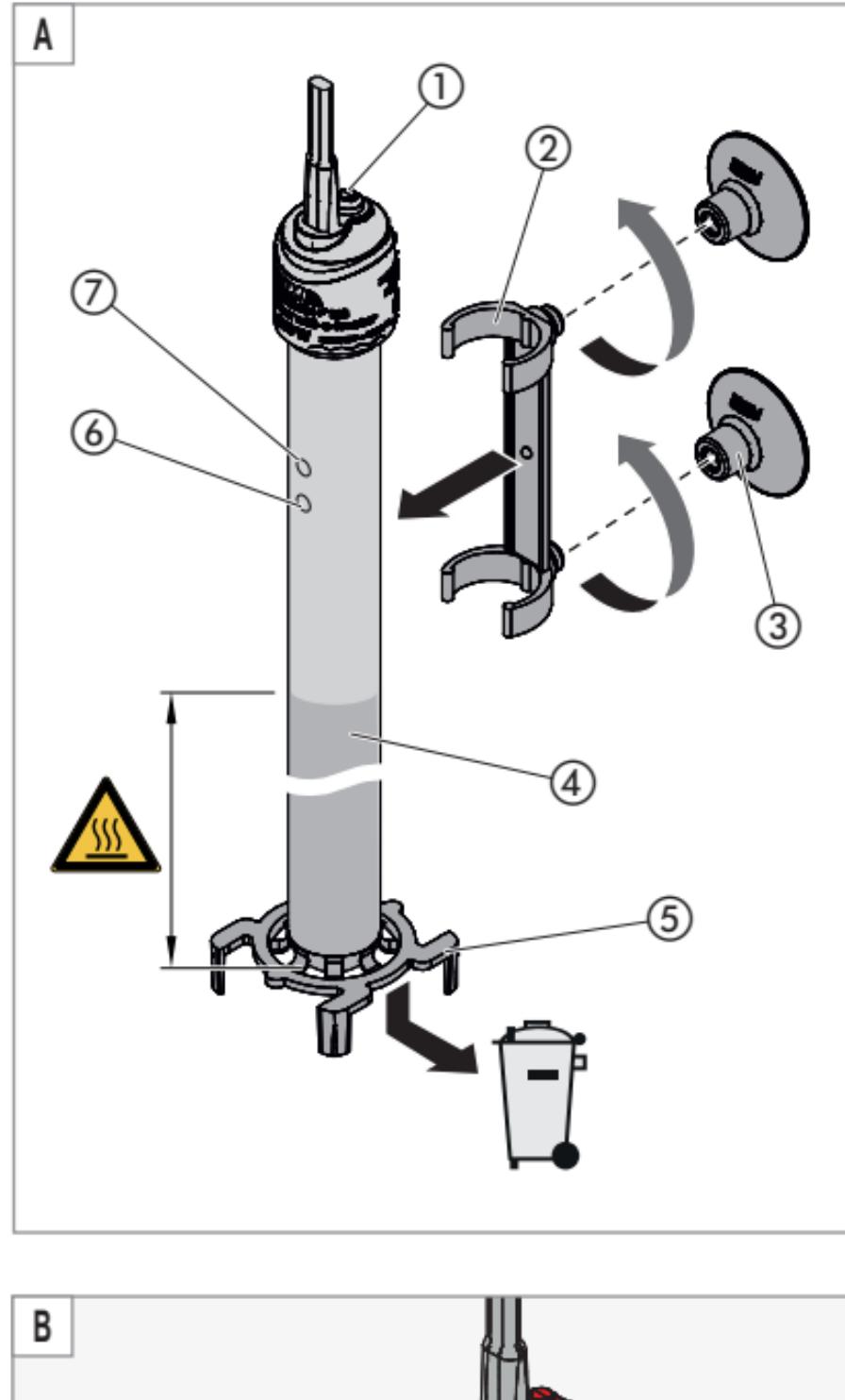
Operating manual

fr

Mode d'emploi

es

Manual de instrucciones



Technical data

Type	HEATER TOPFIN	\varnothing L	Watt	⚡	US gal
5310051	150	$\varnothing 1.26 \times 12.87$ inch	150 W	120 V / 60 Hz	up to 79
5310053	200	$\varnothing 1.26 \times 15.19$ inch	200 W	120 V / 60 Hz	up to 106
5310052	300	$\varnothing 1.26 \times 19.13$ inch	300 W	120 V / 60 Hz	up to 160

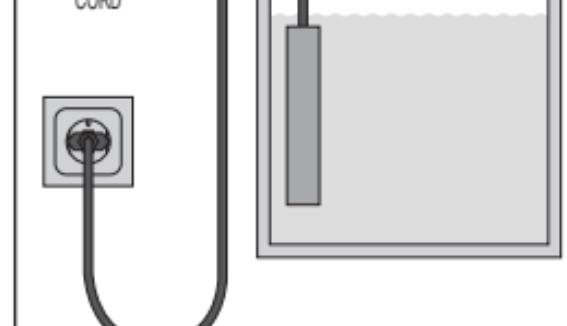
IMPORTANT SAFETY INSTRUCTIONS

WARNING- To guard against injury, basic safety precautions should be observed, including the following.

- FOR HOUSEHOLD USE ONLY
- WARNING! RISK OF ELECTRIC SHOCK!
- DO NOT RUN DRY!

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- **DANGER** – To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt repairs by yourself. Return the appliance to an authorized service facility for service or discard the appliance.
 - If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.
 - Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
 - Unplug the appliance from the socket outlet to disable any remote command.
 - Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
 - To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop", shown in the figure, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The "drip loop" is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or socket does get wet, **DON'T** unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.

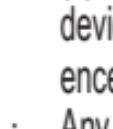


- Close supervision is necessary when any appliance is used by or near children.
- To avoid injury, do not touch moving parts or hot parts such as heaters, reflectors, lamp bulbs, and the like.
- Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
- Do not use an appliance for anything other than its intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.

- Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
- Make sure an appliance mounted on a tank is securely installed before operating it.
- Read and observe all the important notices on the appliance.
- If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- This appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not attempt to defeat this feature.
- Check that the voltage shown on the label of the unit corresponds to the voltage of the mains supply.
- Disconnect all electrical appliances from the mains before placing hands in the water.
- The line cord of this unit cannot be replaced or repaired. Should the line cord become damaged the appliance must be discarded.

SAVE THESE INSTRUCTIONS

FCC WARNING STATEMENT (US only)

 **FCC CAUTION**

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operating manual TOP FIN®Pro Adjustable Aquarium Heater

General User Instructions

Follow all operating manual instructions



- ▶ Before using the appliance for the first time, the operating manual must be read fully and understood.
- ▶ Consider the operating manual as part of the product and keep in a safe and accessible location.
- ▶ Enclose this operating manual if passing the appliance on to a third party.

Symbol explanation

The following symbols are used on the appliance:



The appliance must only be used indoors, and exclusively for aquariums.



The appliance is of protection class II.

IP68

The symbol indicates that the appliance is protected against permanent submerging.

The following symbols and signal words are used in this operating manual:



DANGER!

Risk of serious personal injury or death from a general source of danger.



DANGER!

Danger of electric shock with the risk of serious personal injury or death.



WARNING!

Danger of serious personal injury or health hazard.



WARNING!

Warning of hot surfaces with possible burns as a result.



CAUTION!

Note on the risk of material damage.

i

Note with useful information and tips.

Typographical conventions:

□ A Reference to a figure; in this case, reference to figure A

▶ You are prompted for an action.

Application

The TOP FIN®Pro heater is an adjustable heater for aquariums. The temperature range is 64 – 90°F ± 1°F or 18 – 32°C ± 0.5°C.

The appliance and all parts included in the scope of delivery are intended for private use and must only be used:

- For the heating of aquarium water in fresh and salt water aquariums
- In compliance with the technical data

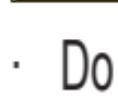
The following limitations apply to the appliance:

- Do not use for commercial or industrial purposes
- Corrosive, highly flammable, aggressive or explosive substances, foodstuffs and drinking water must not be come into contact with the appliance
- Do not ever operate dry (without water)

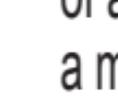
Safety Instructions

Risks for persons and property can arise from this appliance if the appliance is improperly used or not used as intended or if the safety instructions are not heeded.

For your safety

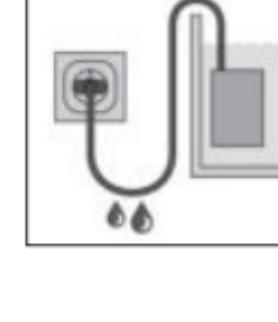


- Do not let the appliance packaging and small parts get into the hands of children as hazards can arise (danger of suffocation!). Keep away from animals!
- Before use, carry out a visual inspection to ensure that the appliance, especially the main cable and plug, are undamaged.
- Do not use the device if it does not function properly or if it is damaged.
- Never use the appliance with a damaged main cable.
- The connecting line of this device can not be replaced. When the line is damaged, the device must no longer be used.
- Repairs must only be carried out by an EHEIM service center.
- Do not carry the appliance by the main cable. To disconnect appliance, always pull on the plug and not the cable or appliance.
- Protect the main cable from heat, oil, and sharp edges.
- Only carry out the work described in these instructions.
- Never make technical modifications to the appliance.
- Only use original spare parts and accessories for the appliance.



- The device should be protected by means of a residual current protective device with a maximum rated residual current of 30 mA. Ask your electrician.
- If not in use, always disconnect all devices in the aquarium from the power supply before you install/remove any parts and before all cleaning and maintenance work.

- Protect the socket and plug against moisture. It is recommended to form a drip loop with the cable to prevent any water running along the cable to the socket.
- The electrical data of the appliance must match the data of the power source. This data is found on the type plate, the packaging, and in these instructions.
- Only connect the device to a power outlet. Current correctly installed with contact grounding. Unplug the device from socket outlet to disable remote command.



- Danger of burning! The appliance is very hot during and directly after operation. Never touch hot parts or the heating zone ④!

Commissioning

Installing the heater (①A)

1. Remove the transportation protection ⑤.
2. Connect the suction device ③ to the suction device mount ②.
3. Connect the suction device mount to the heater (not in the area of the heating zone ④, the control light ⑥ and the indicator LED ⑦).
4. Attach the appliance below water level on the inside of your aquarium (⑧B/C). Take care of the minimum water level.



- ▶ The heater must be rinsed well in order to guarantee consistent water heating. Therefore, place the heater in an area with a strong flow.
- ▶ Only install the heater in a vertical position.

Operation

System requirements

Wireless Connection (Wi-Fi) capable device (smart phone, tablet, desktop computer, etc.)

Creating a network

1. Plug in aquarium heater to begin operation. The Wi-Fi indicator LED ⑦ light on the heater will light up.
2. Open the network settings on your device (smart phone, tablet, etc.).
3. Connect it to the WLAN network (SSID) that was just created by your aquarium heater: **EHEIM heater XXXXXXXX**
4. Enter the network security key.



You find the SSID and the network security key on the mains cable or scan the QR-Code 1 for connection setup.

Navigating to the Website

5. Open your internet browser and go to <http://192.168.1.1>



You can also use the QR code 2 to open the software in the browser.

Start the configuration

6. Select your desired language in the language selection field and proceed with the initial configuration. Follow the instructions accordingly.

Control light ⑥

- Lights up red: Heater is heating.
- Light off: Heater is not heating.

LED indicator ⑦

- Lights up white: Network is being sought or created.
- Lights up blue: Heater is in master mode.
- Lights up green: Heater is connected to another EHEIM digital device.

Before you remove the heater



WARNING! Burning and fire hazards due to hot surfaces.

- ▶ Allow the appliance to cool down in the water for at least 30 minutes before removing it.

If you have accidentally removed the heater during operation:

- ▶ Do not submerge the heater back into the water.
- ▶ Do not touch any hot surfaces.
- ▶ Remove the main plug and allow the heater to cool down for at least one hour on a heat-resistant base.

Thermal circuit breaker

The heater is equipped with a thermal circuit breaker as protection against overheating and any associated fire hazards. In the event of the heater being accidentally operated outside the water or when the water level is too low, it will be switched off. The heater will switch back on automatically after cooling down.

Maintenance



CAUTION! Material damage.

- ▶ Do not use hard objects or aggressive cleaning agents for cleaning.
- ▶ The appliance is not dishwasher-safe! Do not clean the appliance in the dishwasher.

Cleaning

1. Disconnect the heater from the power supply.
2. Allow the appliance to cool down in the water for at least 30 minutes.
3. Take the appliance out of the aquarium.
4. Clean the heater under running water.

Shut off

Storage



1. Take the appliance out of the aquarium.
2. Clean the appliance
3. Store the appliance in a frost-proof place.

Spare parts

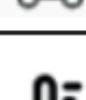
4 piece suction device (art. no. 7271100), suction device mount incl. 2 suction devices (art. no. 7443900)

Wireless connectivity manual

Contents

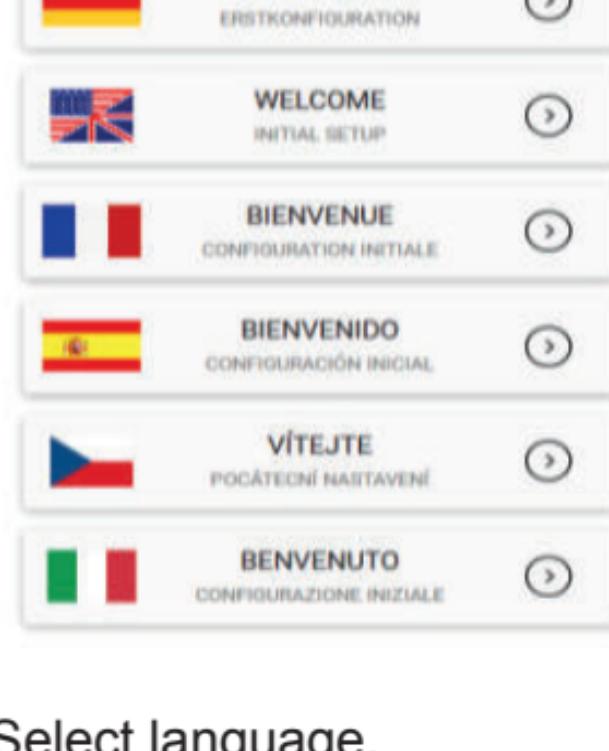
1	Symbols.....	11
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6.1	Connect with available network.....	29
6.2	E-mail adress for heater messages.....	31
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7	Heater settings.....	34
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1 Symbols

	Home page
	Settings
	Remove
	Change
	Save
	Add device
	Overview
	Manual control
	Smart Control
	Temperature / Current water temperature
	Heater
	Time
	Temperature setpoint
	Factory Defaults
	Attention

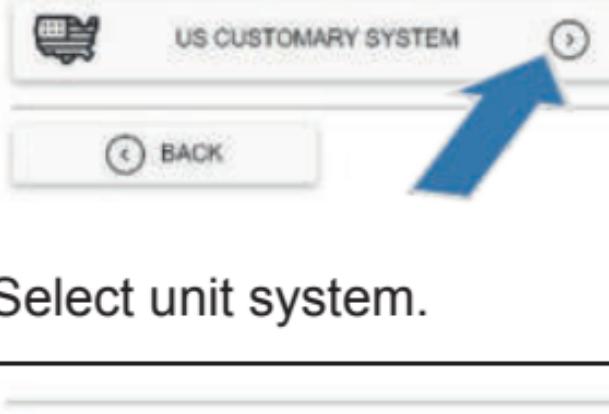
2 Initial configuration

1



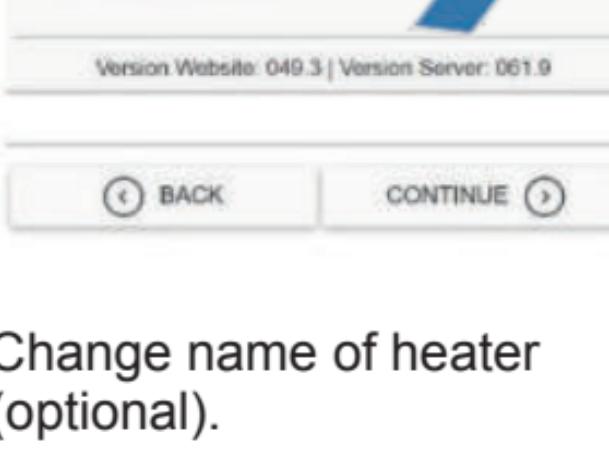
Select language.

2



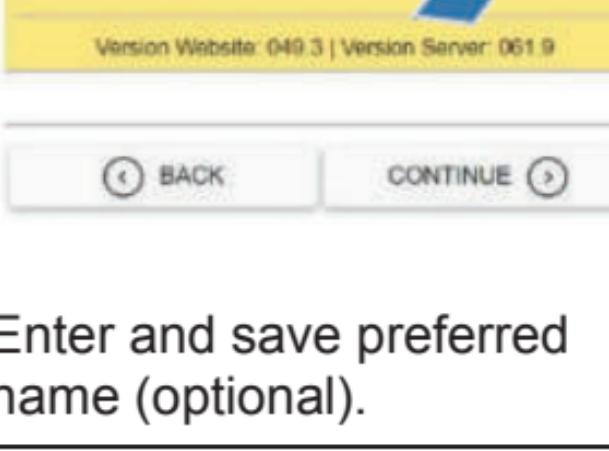
Select unit system.

3



Change name of heater (optional).

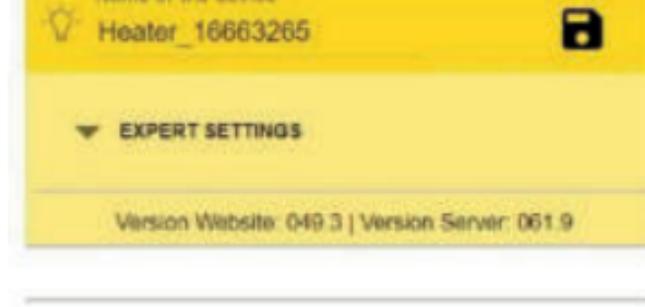
4



Enter and save preferred name (optional).

5

Rod heater



Select next setting.

6

CREATE A NEW AQUARIUM
YOU HAVE NOT CREATED AN AQUARIUM YET?

NAME OF THE AQUARIUM:

My Aquarium 1



CONNECT TO AQUARIUM

YOU HAVE ALREADY CREATED AN AQUARIUM?

BACK

CONTINUE

Add a new aquarium
to network.

7



CREATE A NEW AQUARIUM

YOU HAVE NOT CREATED AN AQUARIUM YET?

NAME OF THE AQUARIUM:

My Aquarium 1



CONNECT TO AQUARIUM

YOU HAVE ALREADY CREATED AN AQUARIUM?

BACK

CONTINUE

Change name (optional).

8



CREATE A NEW AQUARIUM

YOU HAVE NOT CREATED AN AQUARIUM YET?

NAME OF THE AQUARIUM:

My Aquarium 1



CONNECT TO AQUARIUM

YOU HAVE ALREADY CREATED AN AQUARIUM?

BACK

CONTINUE

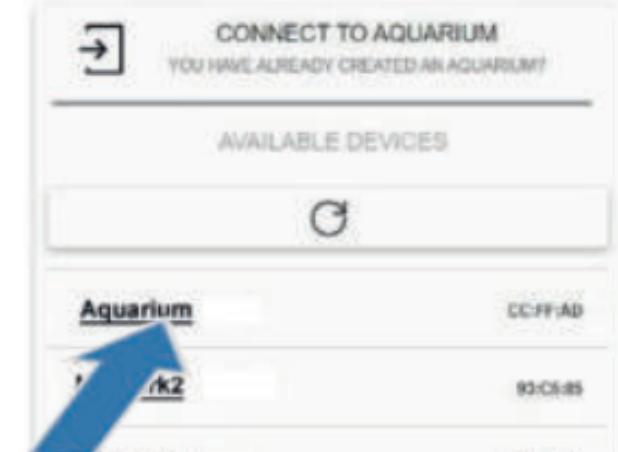
Select next setting.
Continue with Step 12.

9



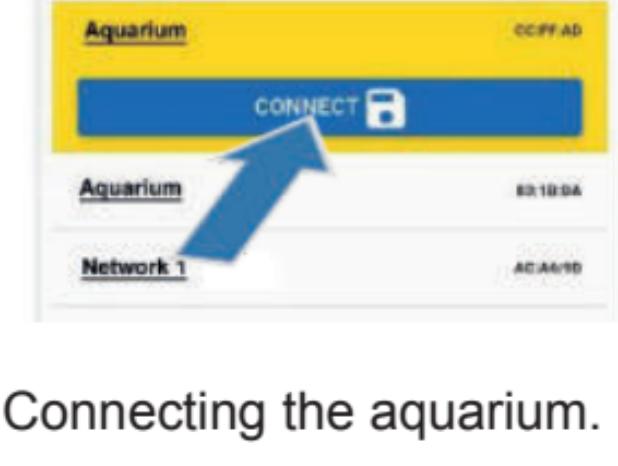
Connecting with an existing aquarium (optional).

10



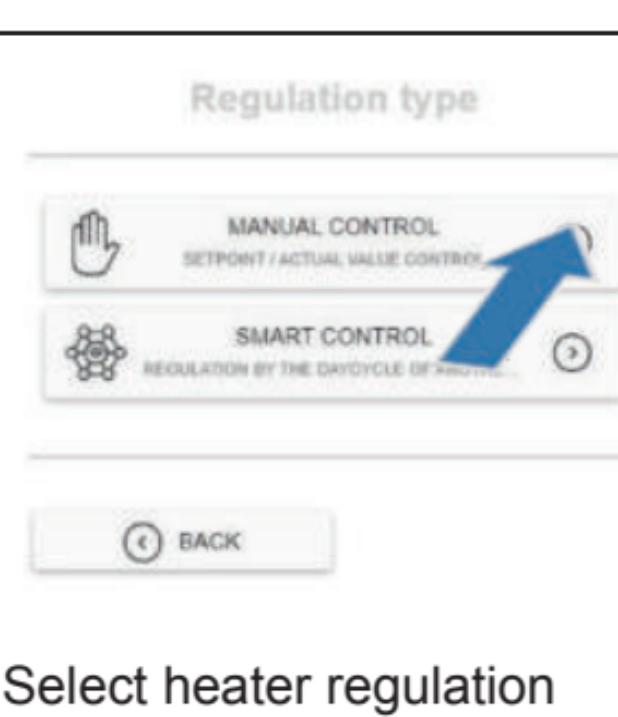
Selecting an aquarium from the list.

11



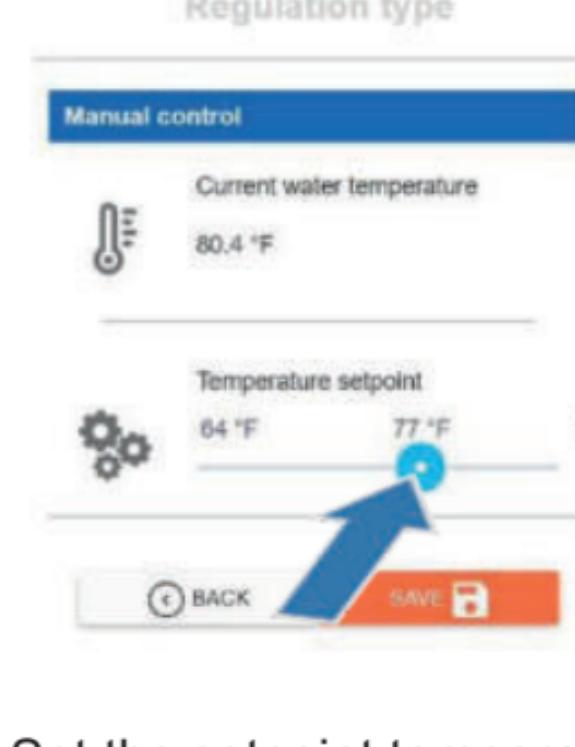
Connecting the aquarium.

12



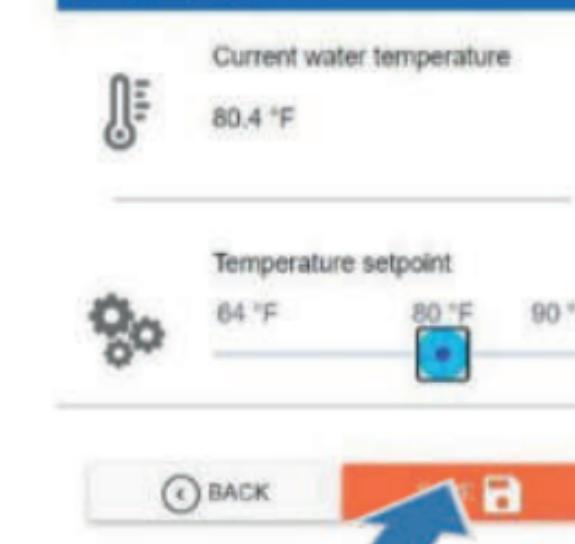
Select heater regulation type
MANUAL CONTROL.

13



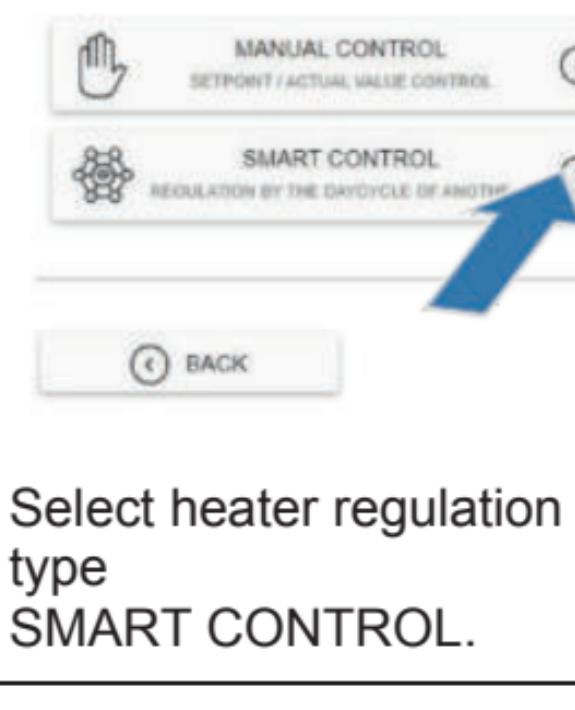
Set the setpoint temperature by moving the slider.

14



Save the settings.
Continue with Step 24.

15

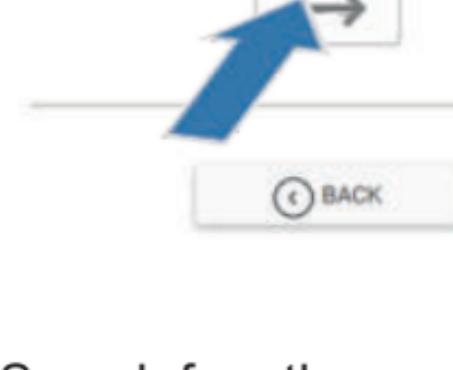


Select heater regulation type
SMART CONTROL.

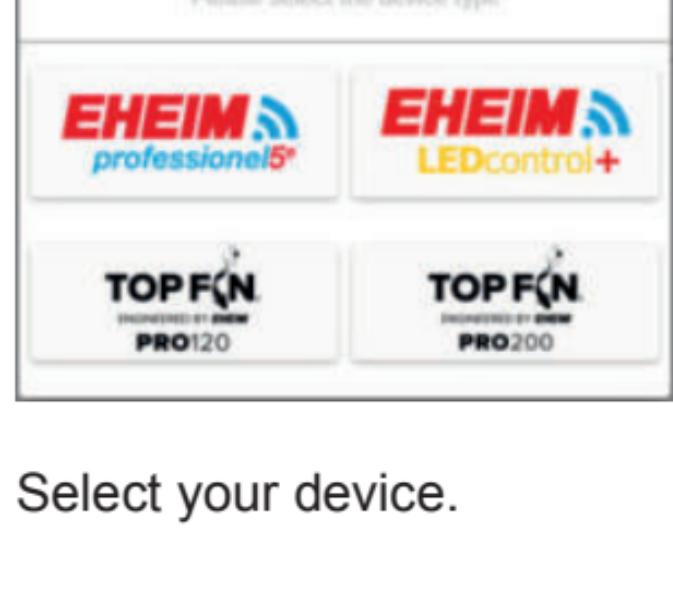
16

Smart control

Control your device using another device

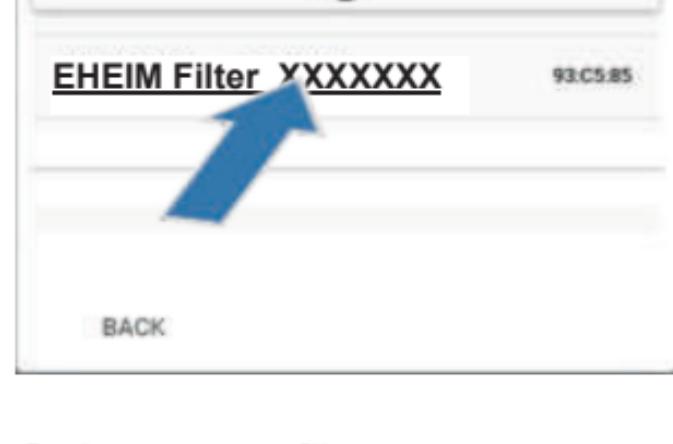


17



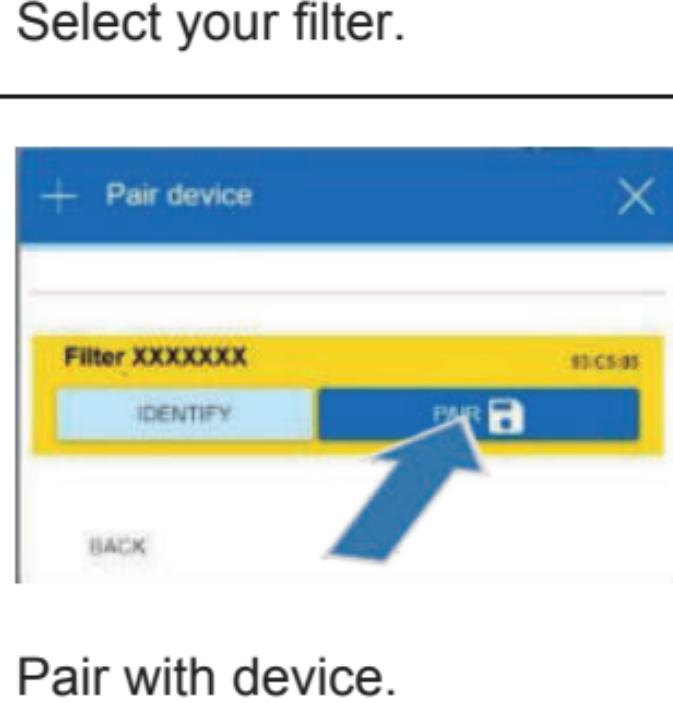
Select your device.

18



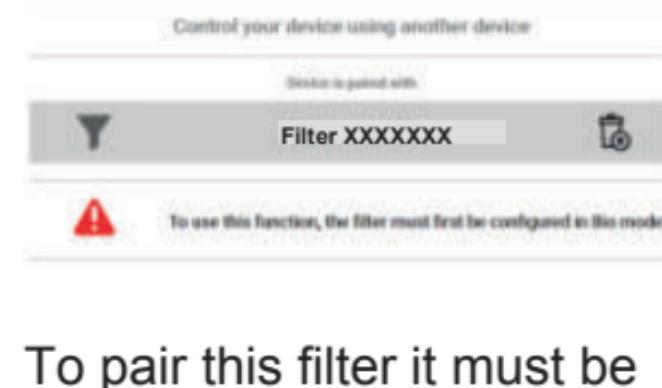
Select your filter.

19



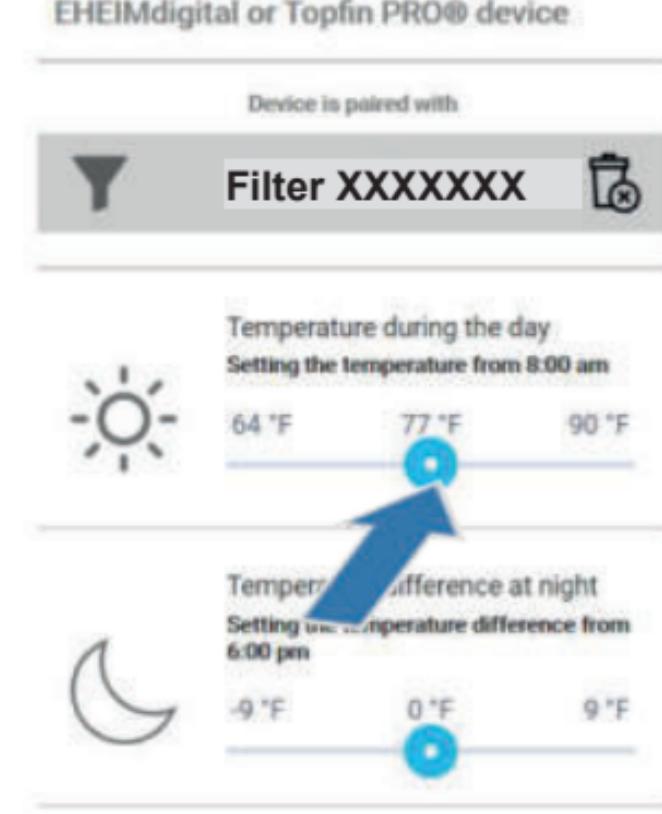
Pair with device.

20



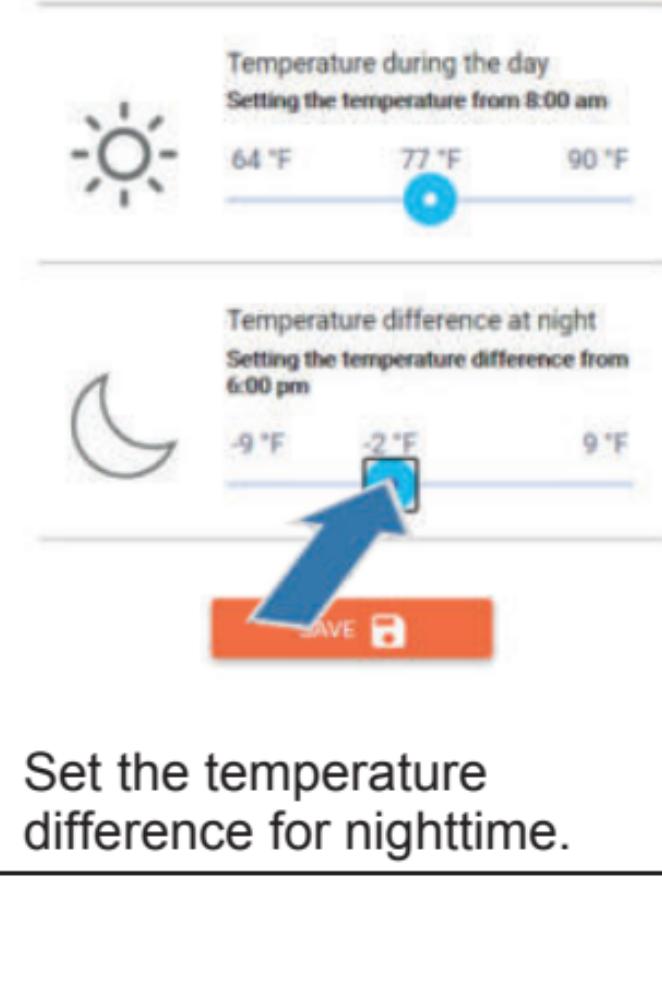
To pair this filter it must be configured in Bio Mode.

21



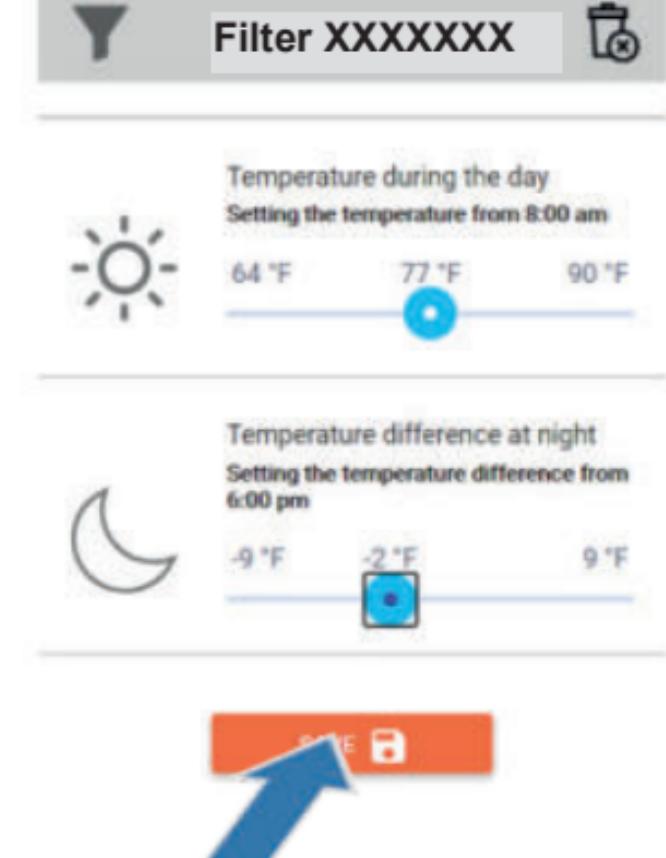
Set the setpoint temperature for the day.

22



Set the temperature difference for nighttime.

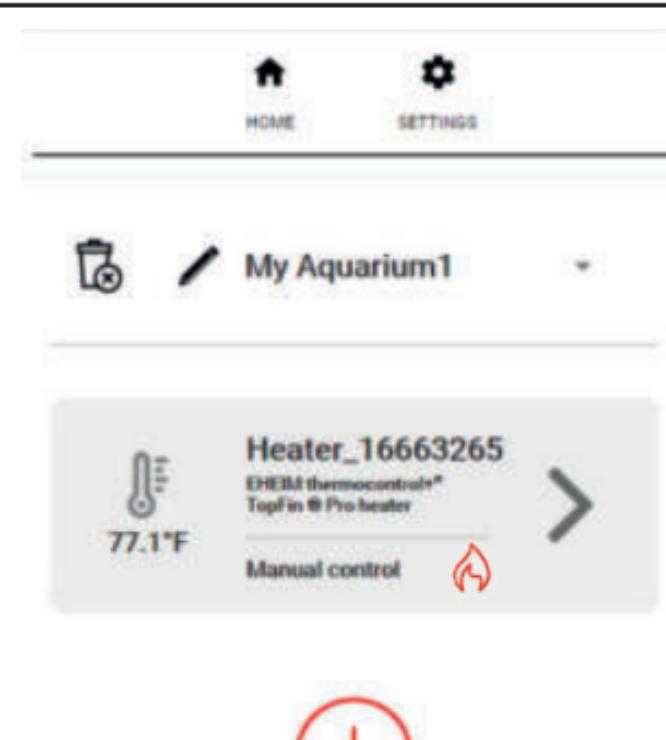
23



Save settings.

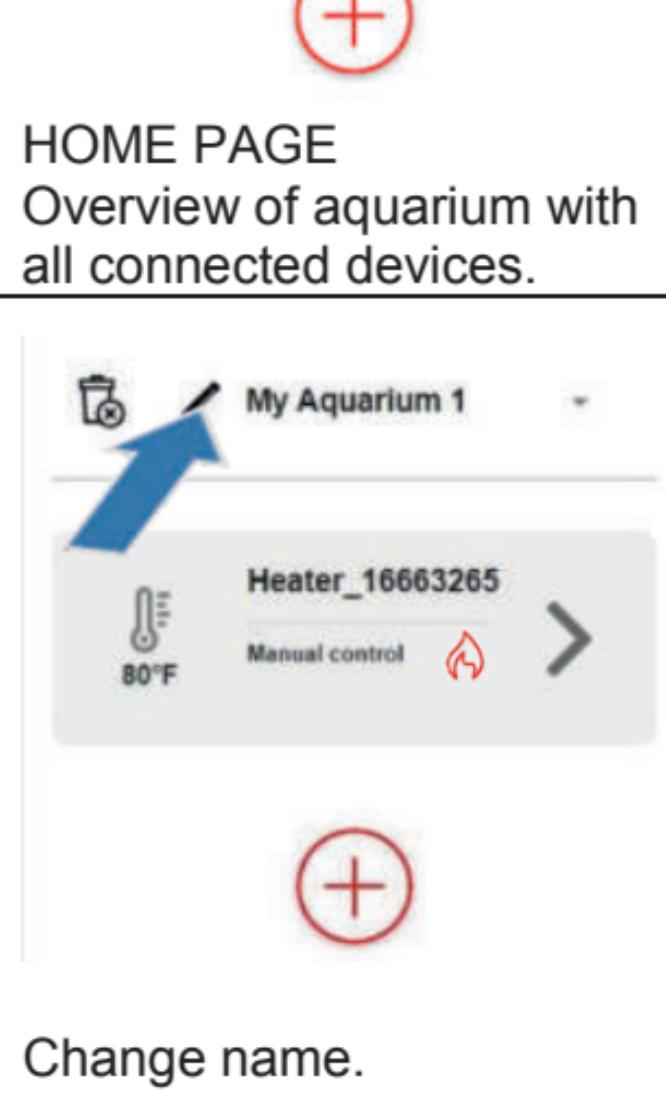
3 Home page

24



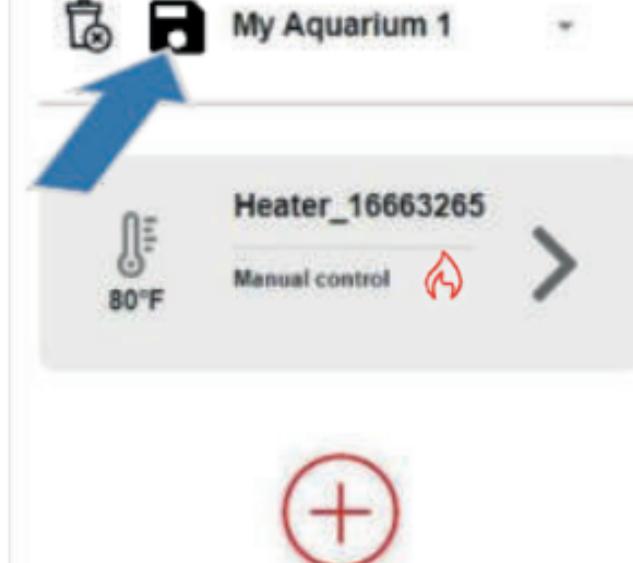
HOME PAGE
Overview of aquarium with
all connected devices.

25



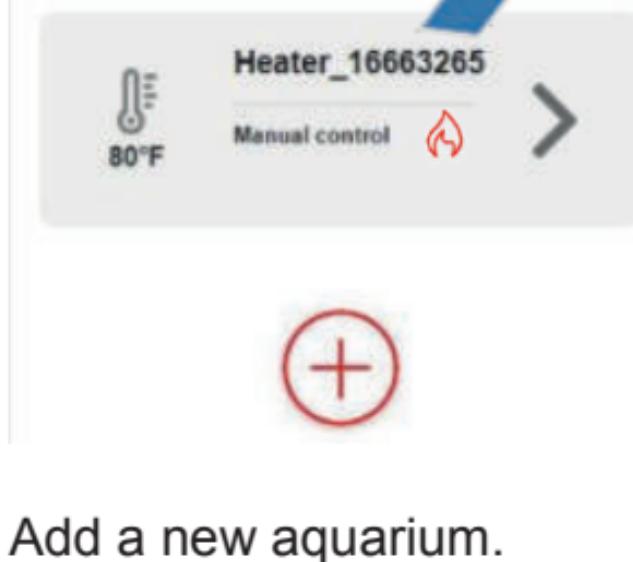
Change name.

26



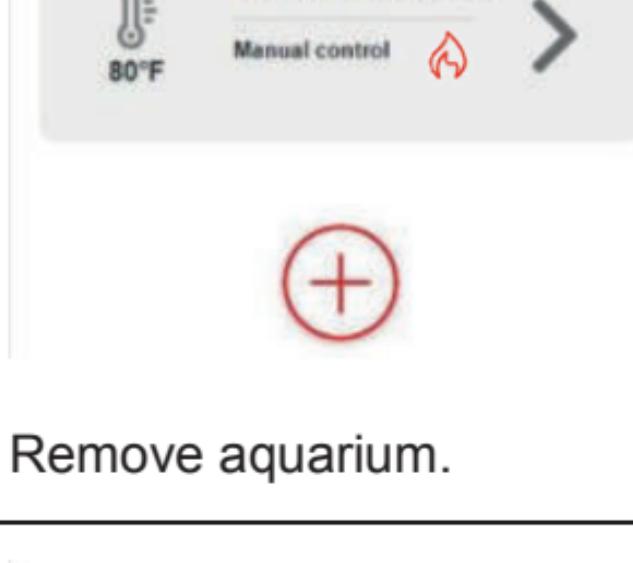
Enter and save preferred name.

27



Add a new aquarium.

28



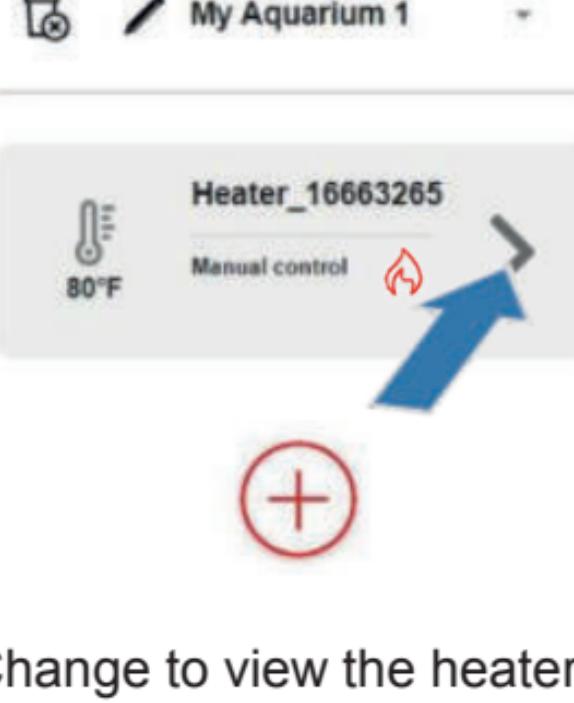
Remove aquarium.

29



Add device.

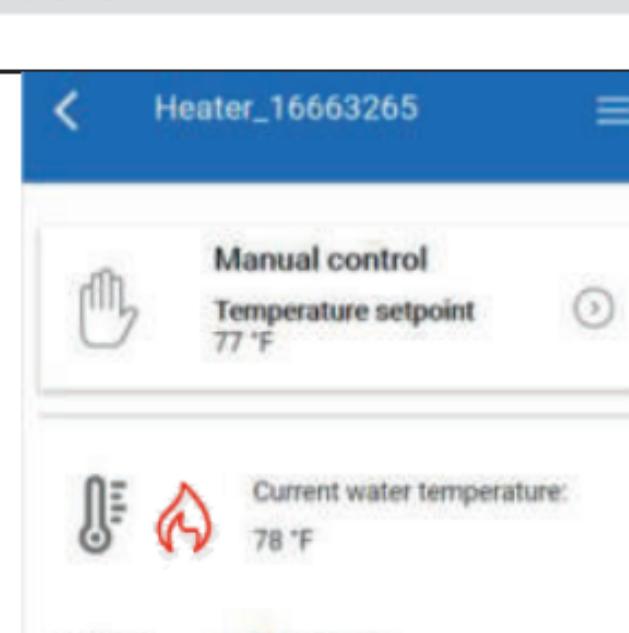
30



Change to view the heater overview.

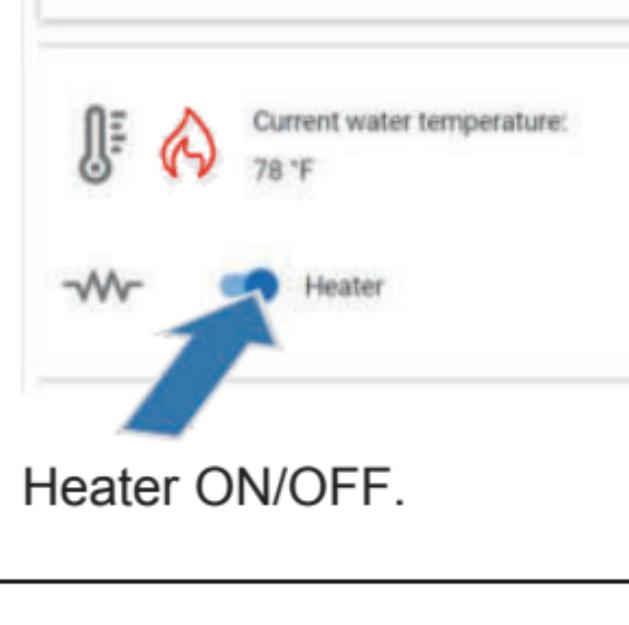
4 Heater overview

31



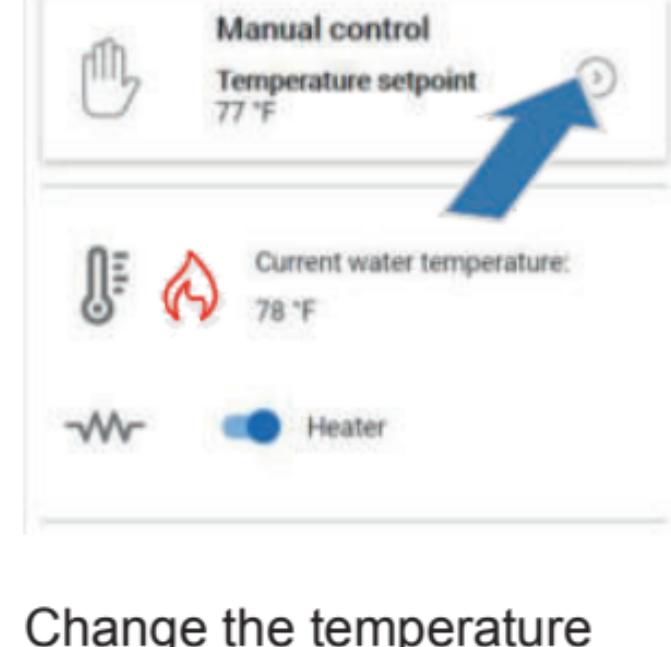
Heater Overview: The current heater mode, temperature setpoint and current water temperature.

32



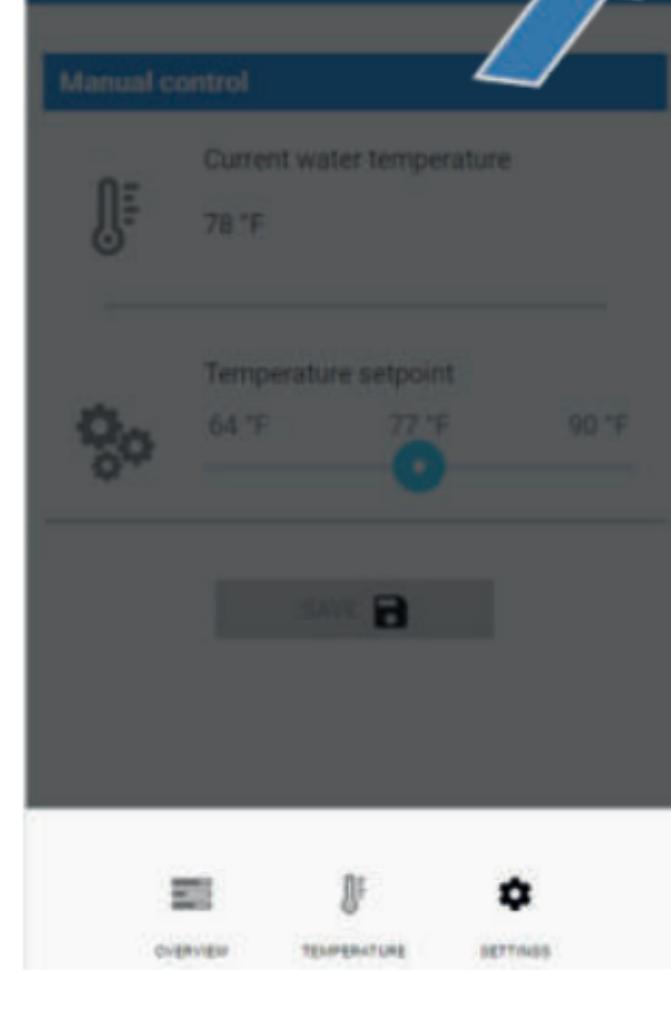
Heater ON/OFF.

33



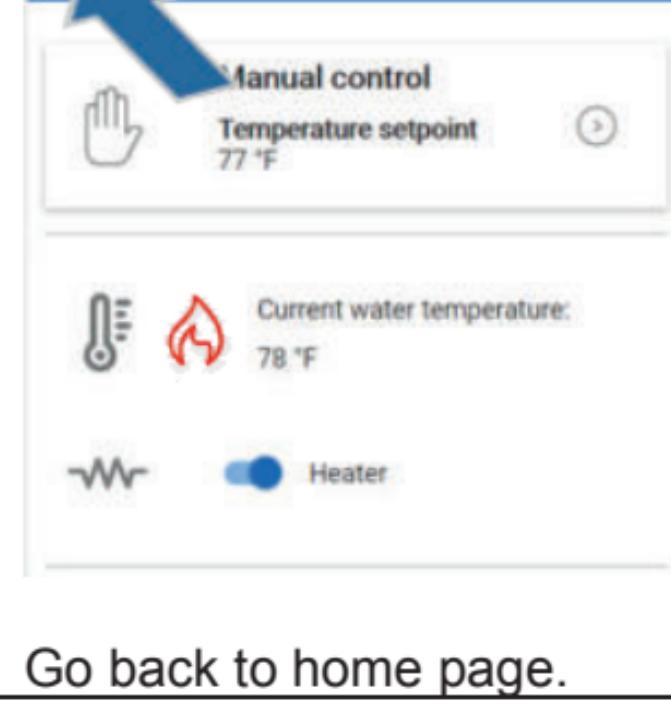
Change the temperature setpoint.

34



Show the selection menu for OVERVIEW, TEMPERATURE and SETTINGS.

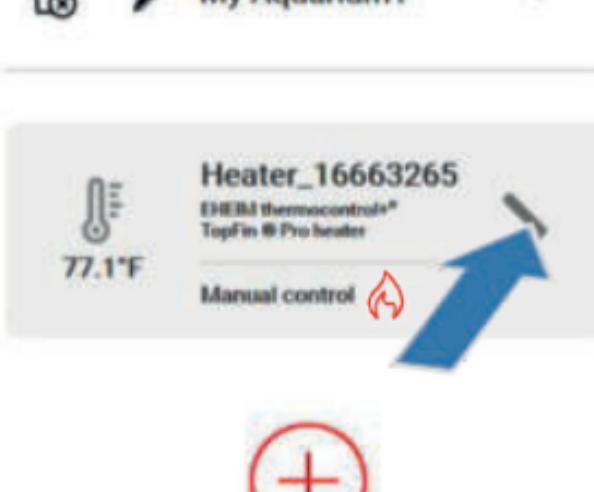
35



Go back to home page.

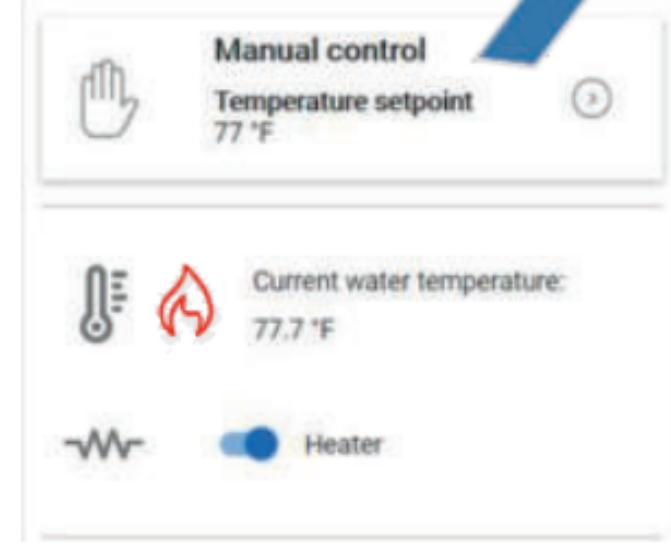
5 Heater mode

36



HOME PAGE
Select the heater overview.

37



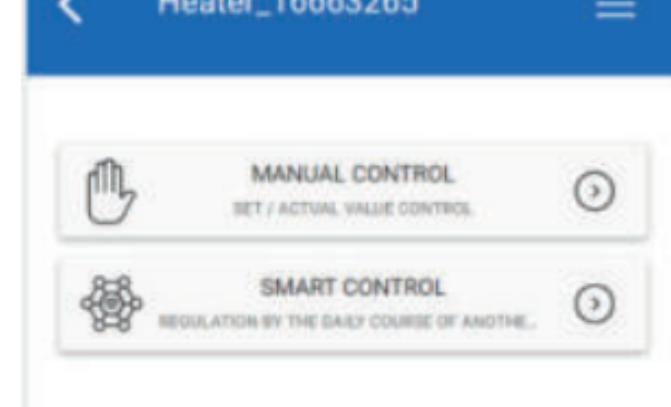
Show the selection menu.

38



Select TEMPERATURE
for heater modes.

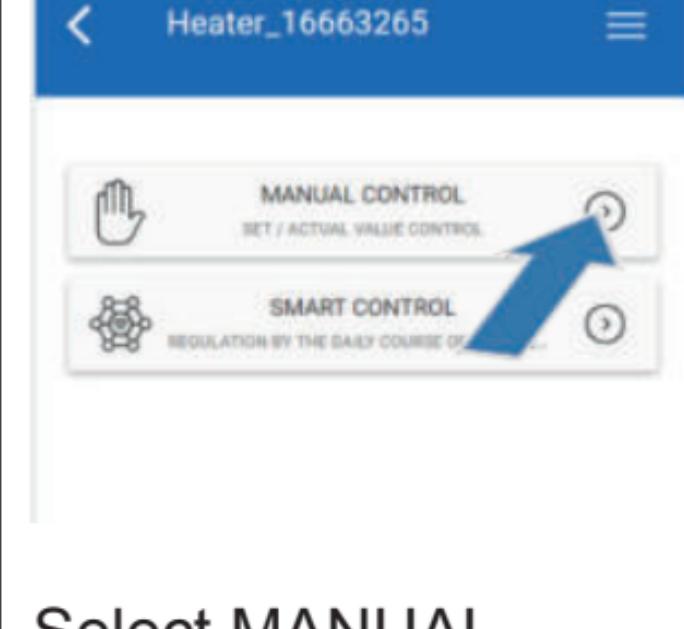
39



Overview of heater modes.

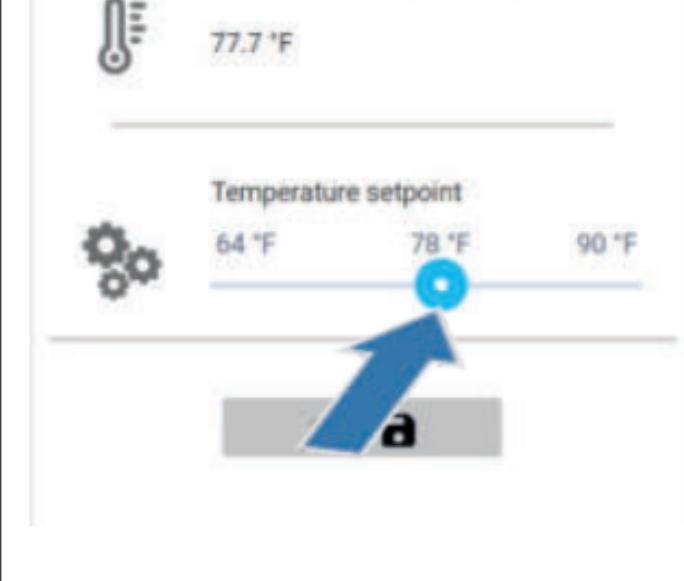
5.1 Manual control

40



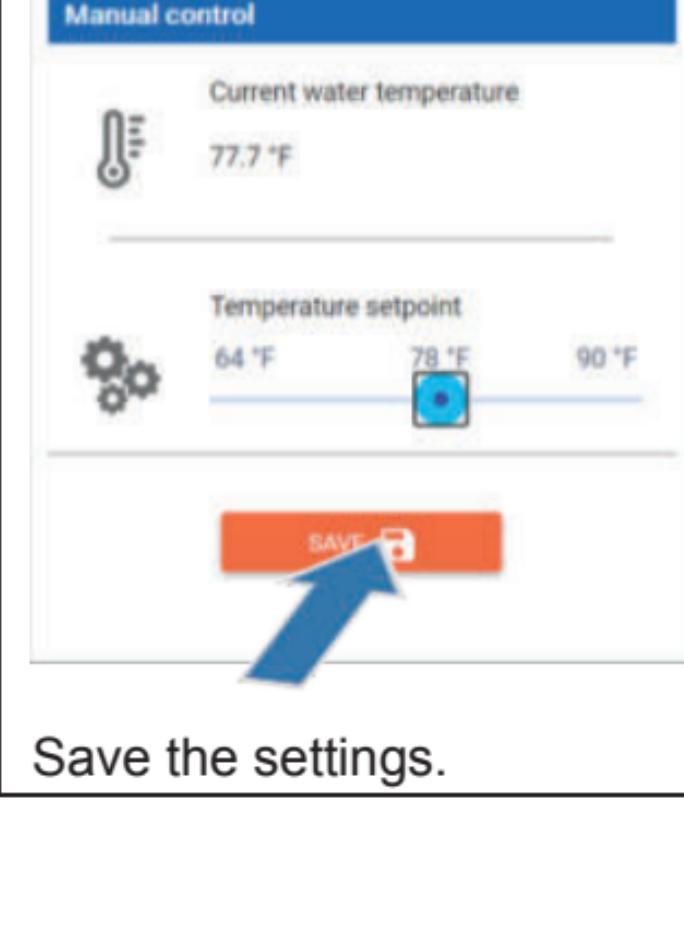
Select MANUAL CONTROL.

41



Set the setpoint temperature by moving the slider.

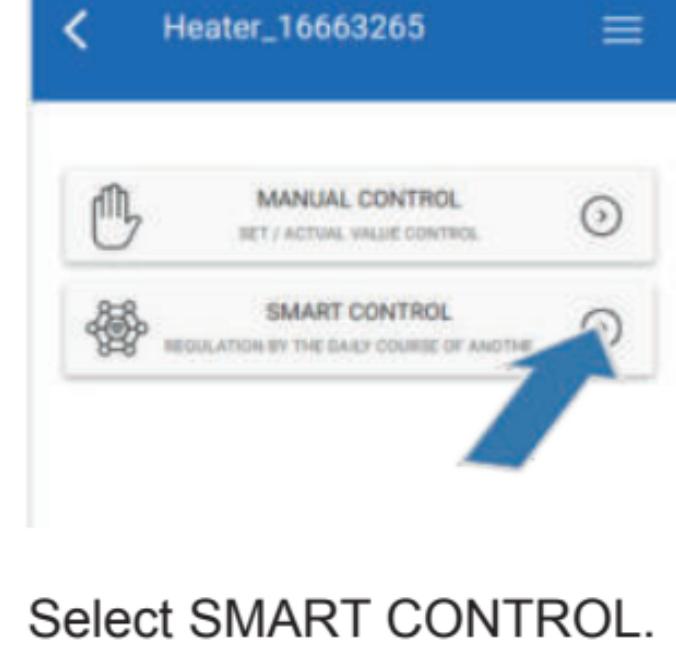
42



Save the settings.

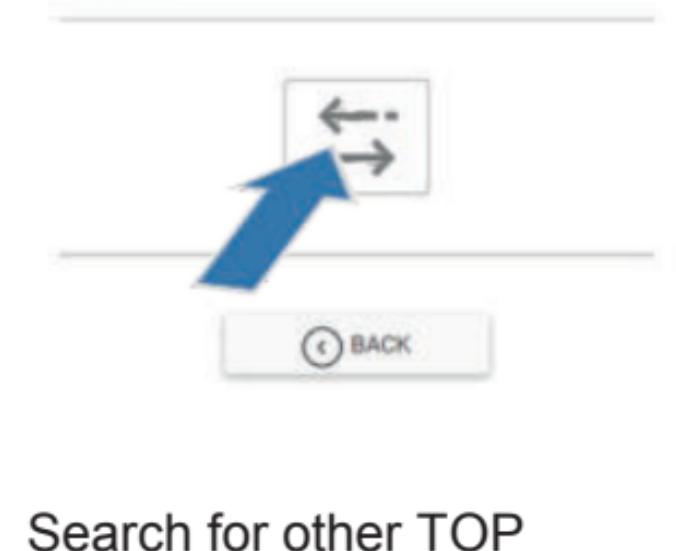
5.2 Smart control

43



Select SMART CONTROL.

44



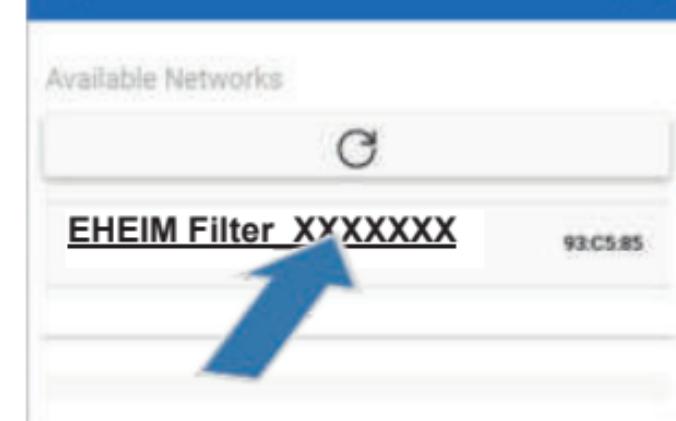
Search for other TOP FIN®Pro devices.

45



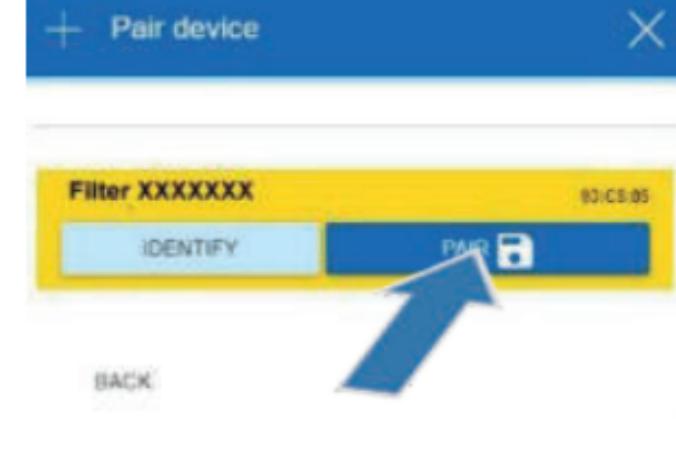
Select your device.

46



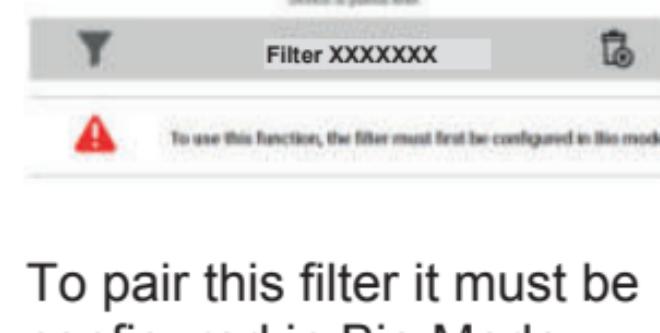
Select the network.

47



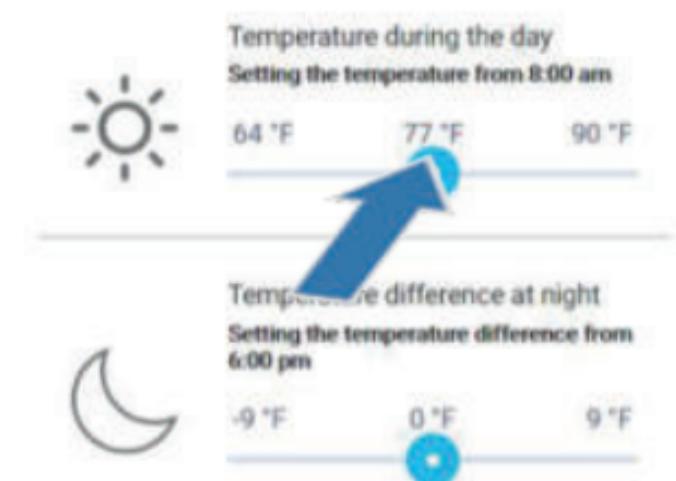
Pair with device.

48



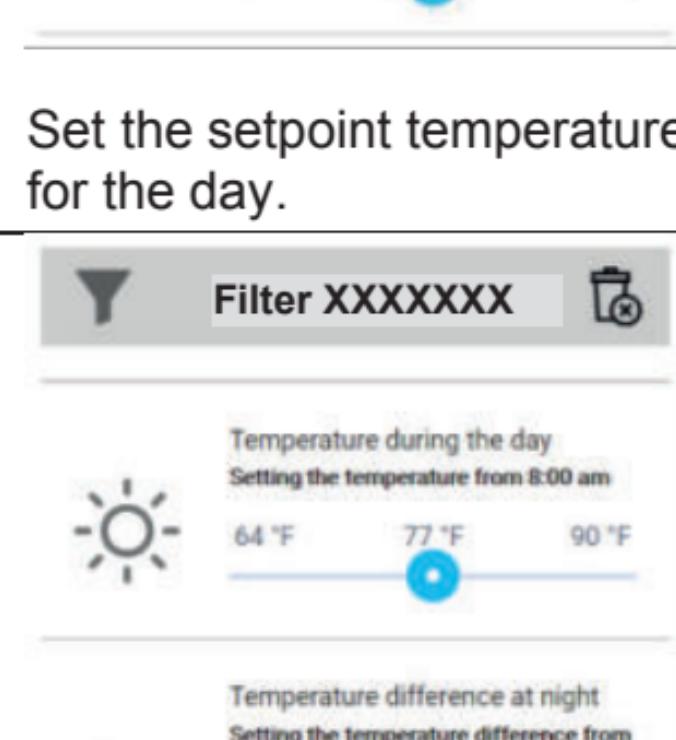
To pair this filter it must be configured in Bio Mode.

49



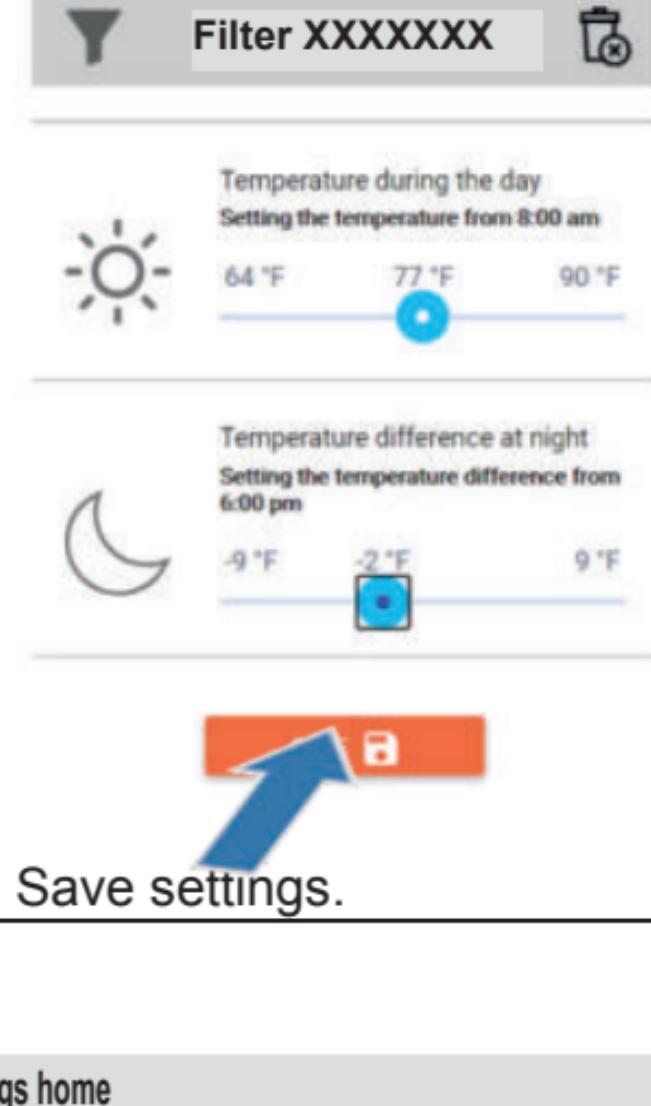
Set the setpoint temperature for the day.

50



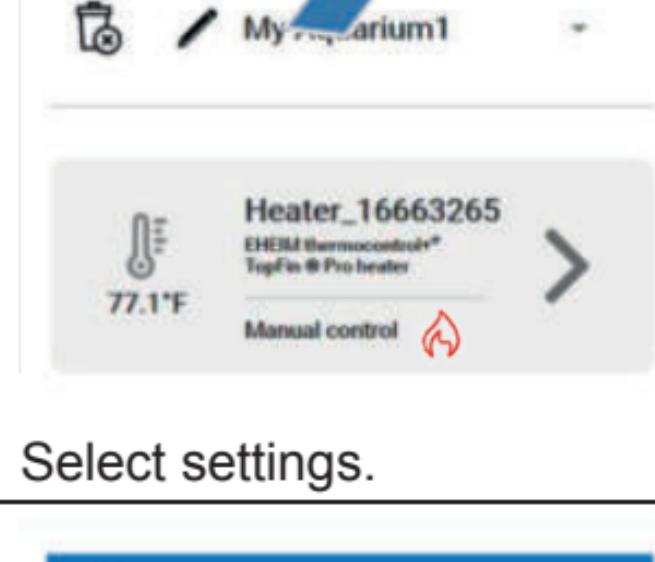
Set the temperature difference for nighttime.

51



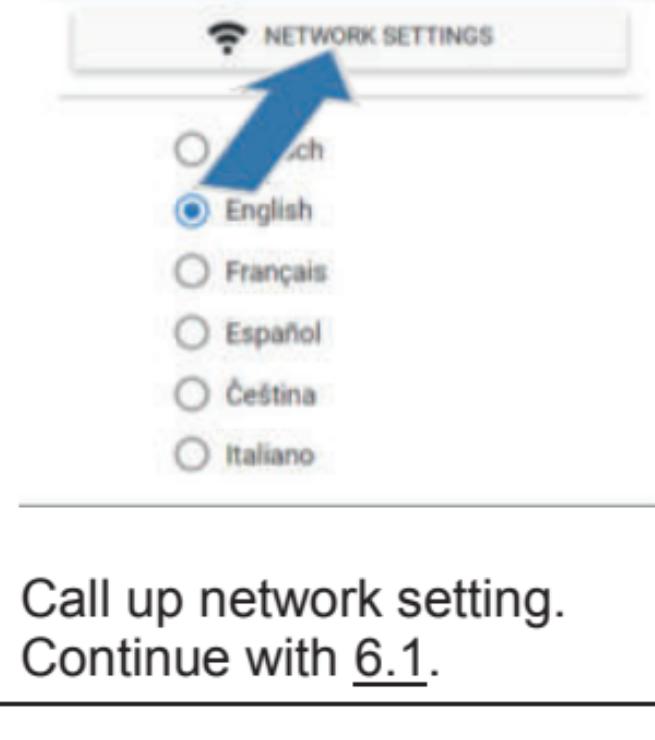
6 Settings home

52



Select settings.

53



Call up network setting.
Continue with 6.1.

54

Settings

NETWORK SETTINGS

Deutsch

English

Français

Español

Čeština

Italiano

Select/change language.

55

E-mail address for notifications

 your@email.de

Metric system

US customary system

USE CURRENT TIME

Enter the e-mail address and user name to receive messages from the heater. Continue with 6.2.

56

USE CURRENT TIME



15:45:57



02.02.2021



Automatic Update of
Summertime and Wintertime

The current time is set.

57

USE CURRENT TIME



15:45:57



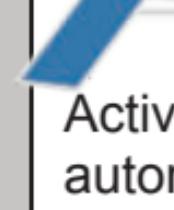
22:00



Automatic Update of
Summertime and Wintertime

Manual setting of date and time.

58



USE CURRENT TIME



15:45:57



22.02.2021



Automatic Update of
Summertime and Wintertime

59



Automatic Update of
Summertime and Wintertime

SHOW NETWORK INFORMATION



FACTORY DEFAULTS

Display network information
and switching off the WiFi
function.

60



15:59:28



22.02.2021



Automatic Update of
Summertime and Wintertime

SHOW NETWORK INFORMATION



FACTORY DEFAULTS

Reset to factory settings.

61

Software & Update

Heater_16663265

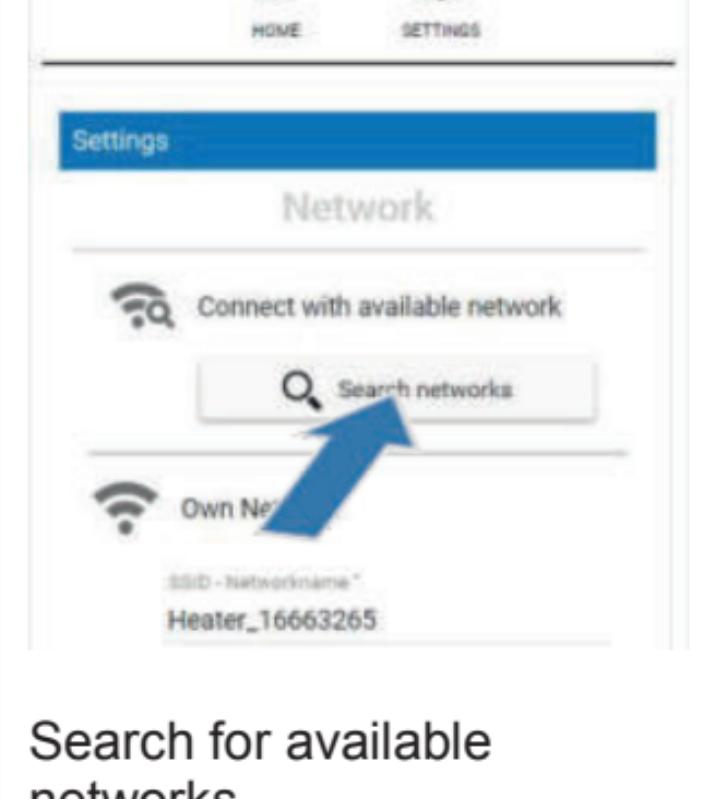
Installed Software Version
Version Website 049.5
Version Server 062.1

UPDATE MANUAL

Carry out manual update.

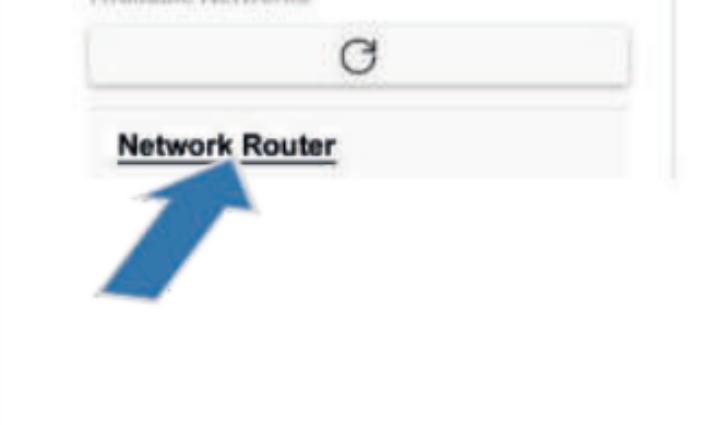
6.1 Connect with available network

62



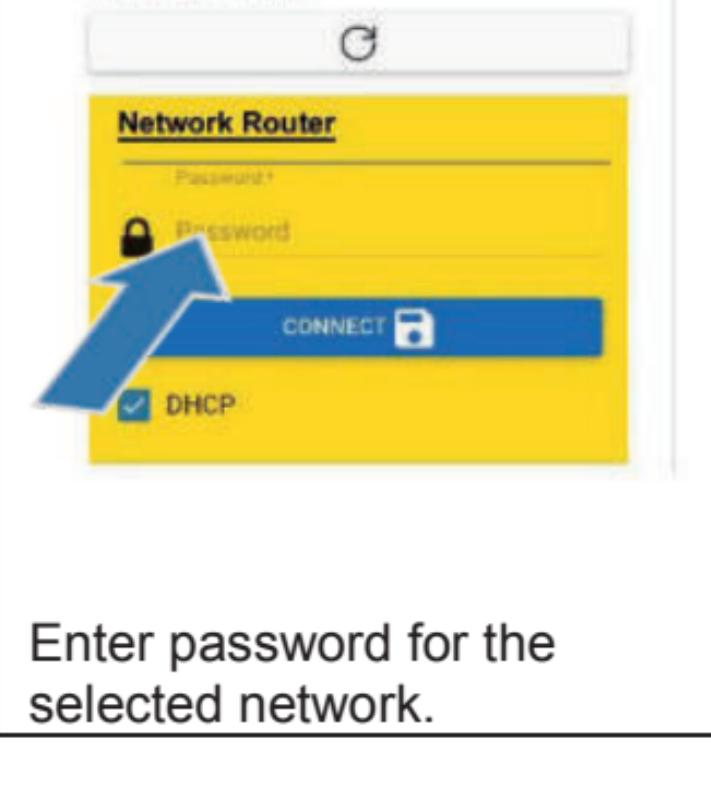
Search for available networks.

63



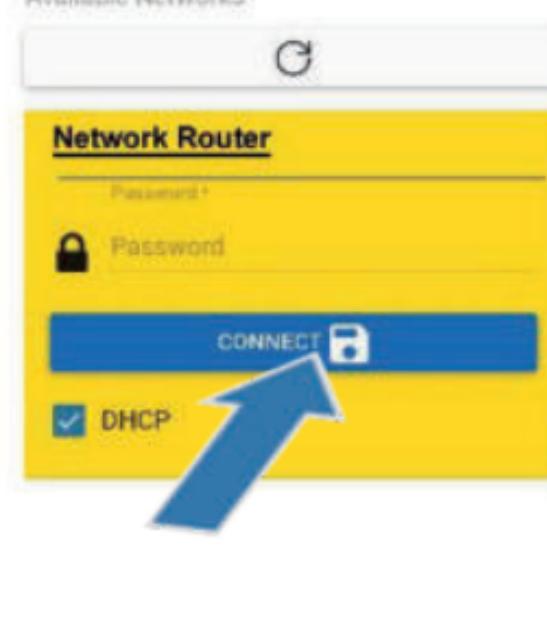
Connect available network.

64



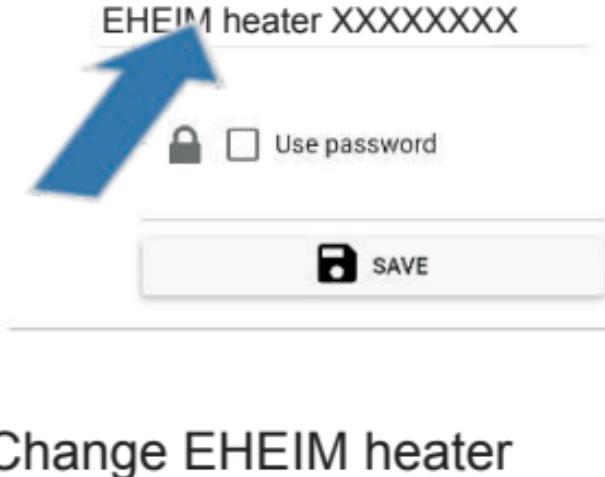
Enter password for the selected network.

65



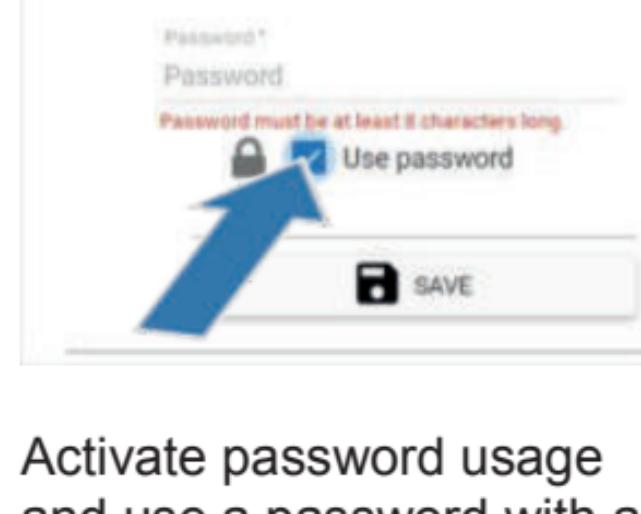
Select CONNECT to connect to the network.

66



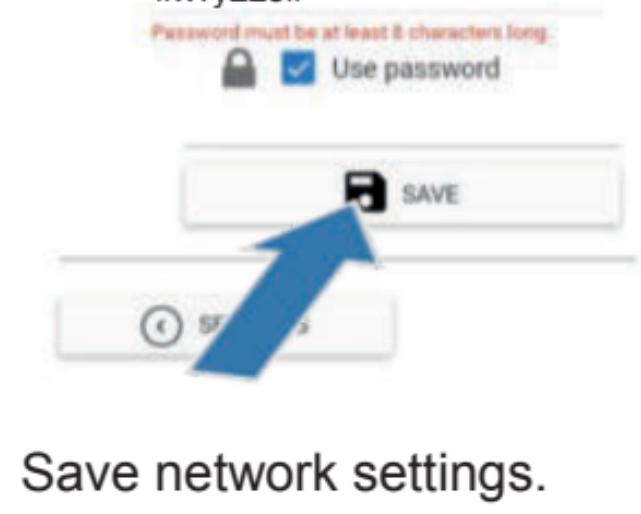
Change EHEIM heater XXXXXXXX network name to your own name.

67



Activate password usage and use a password with a minimum of 8 characters.

68



Save network settings.

69

Password must be at least 8 characters long.



Use password

SAVE

SETTINGS

Go back to settings.

6.2 E-mail address for heater messages

70

HOME

SETTINGS

E-mail address for notifications

your@email.de

USE CURRENT TIME

17:12:51

26.03.2020



Automatic Update of Summertime and Wintertime

SHOW NETWORK INFORMATION

Enter the e-mail address and user name to receive messages from the heater. Only possible in networks with Internet connection.

71

E-mail address for notifications

Email

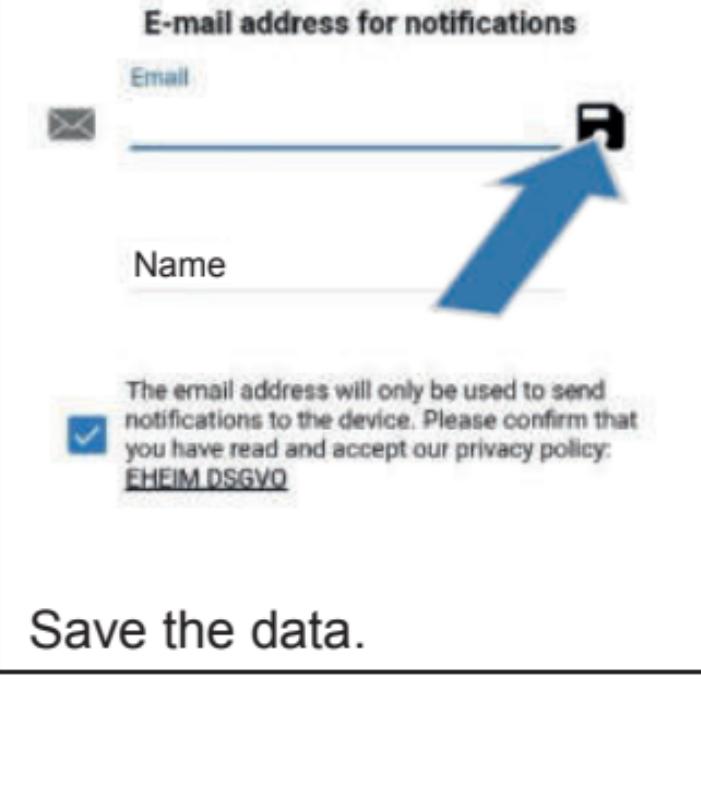


Name

The email address will only be used to send notifications to the device. Please confirm that you have read and accept our privacy policy: [EHEIM DSGVO](#)

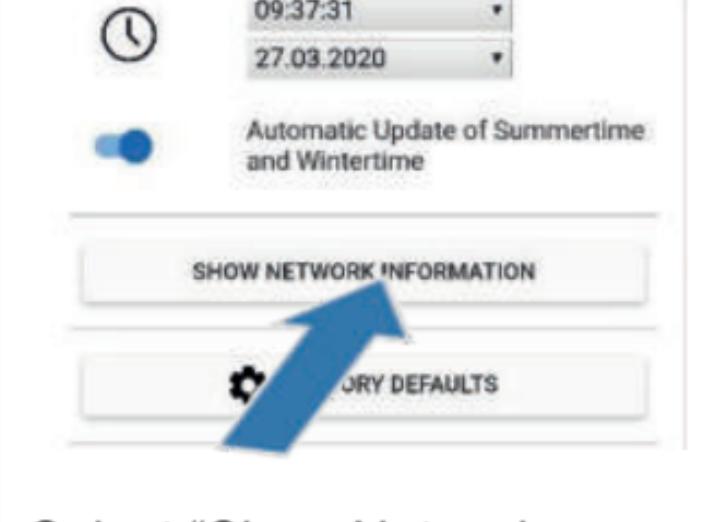
Read and confirm the privacy policy.

72



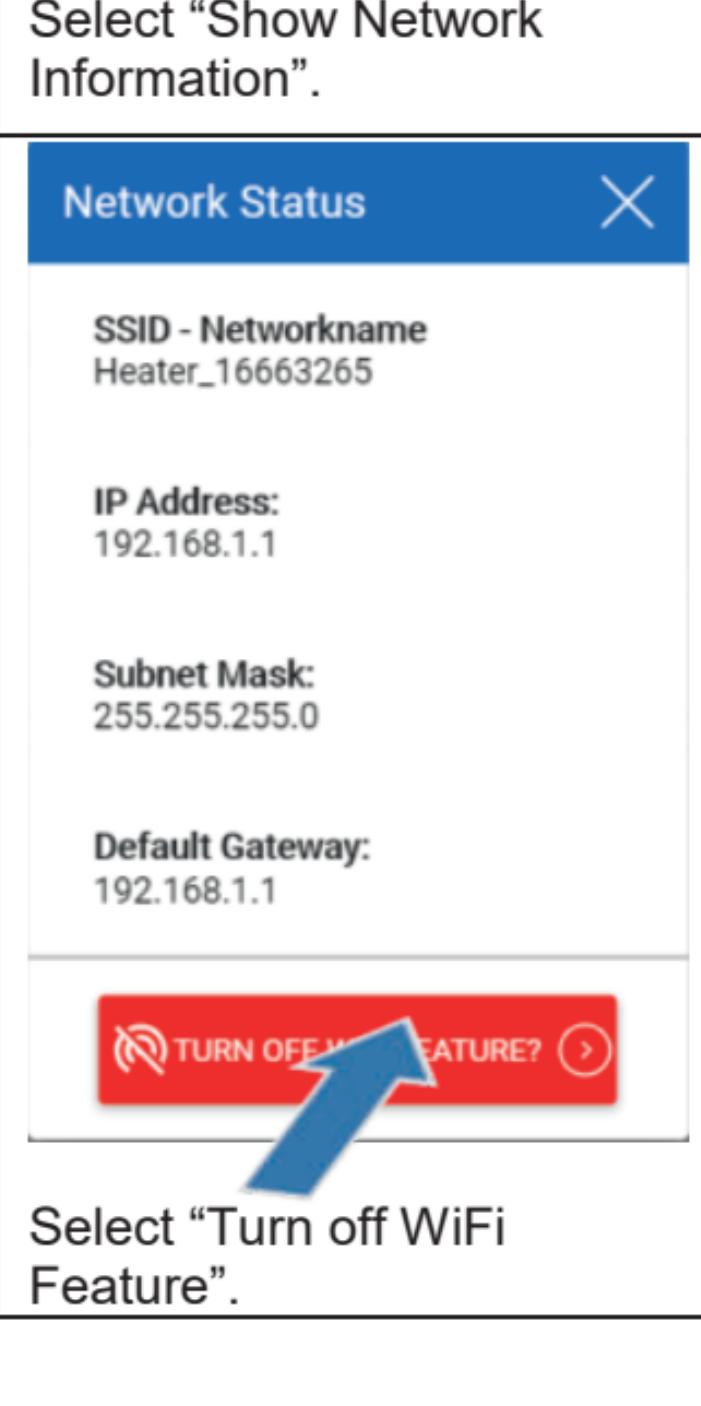
6.3 Deactivating WLAN

73

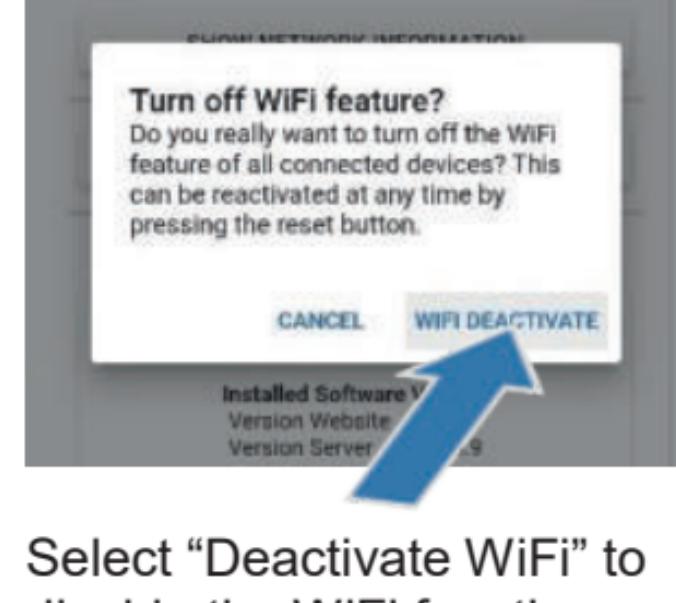


Select “Show Network Information”.

74



75



Select “Deactivate WiFi” to disable the WiFi function.

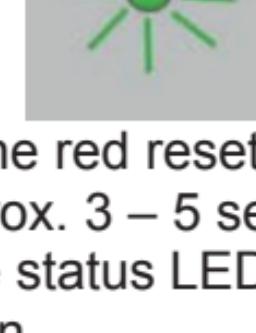
76



Select “Deactivate WiFi” to disable the WiFi function. The status LED light on the heater flashes continuously yellow after approx. 3 - 5 seconds. WiFi function deactivated. Device settings remain available.

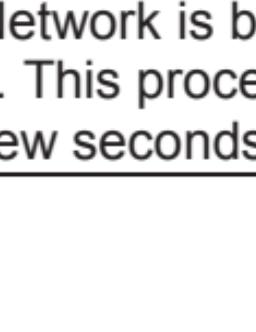
6.4 Activating WLAN

77



Press the red reset button for approx. 3 – 5 seconds until the status LED lights up green.

78



The status LED flashes white. Network is being created. This process may take a few seconds.

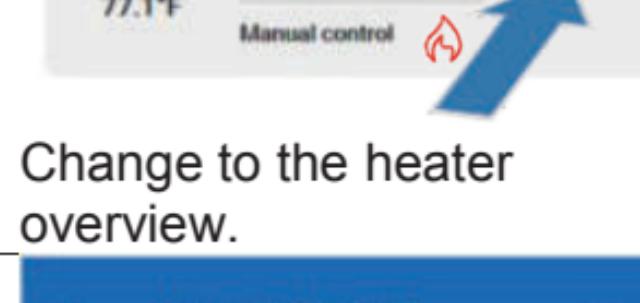


79

If the status LED lights blue, a network has been created and is visible on a WLAN-enabled device (smart phone, tablet, etc.).

7 Heater settings

80



Change to the heater overview.

81



Current water temperature:

77.7°F

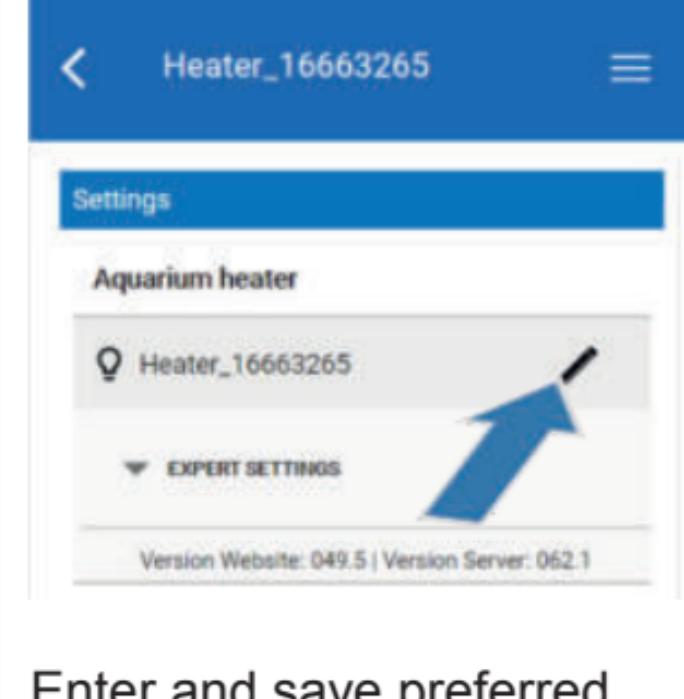
Show the selection menu for OVERVIEW, TEMPERATURE and SETTINGS.

82



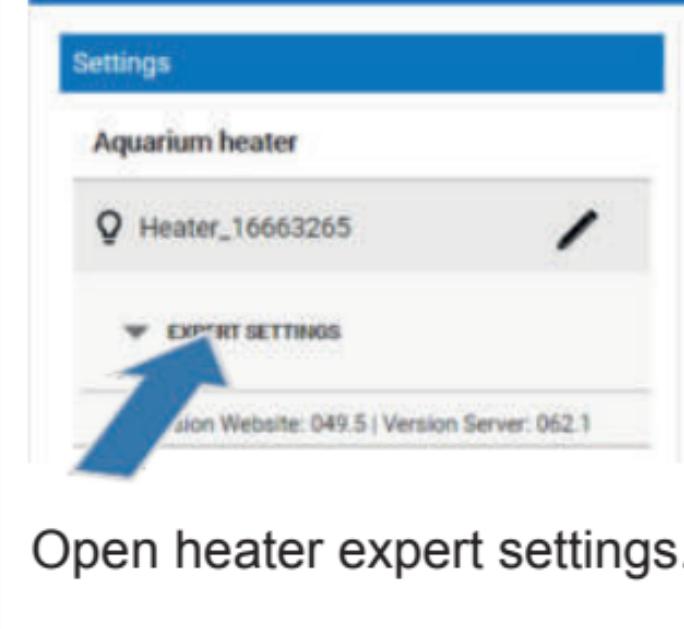
Select settings

83



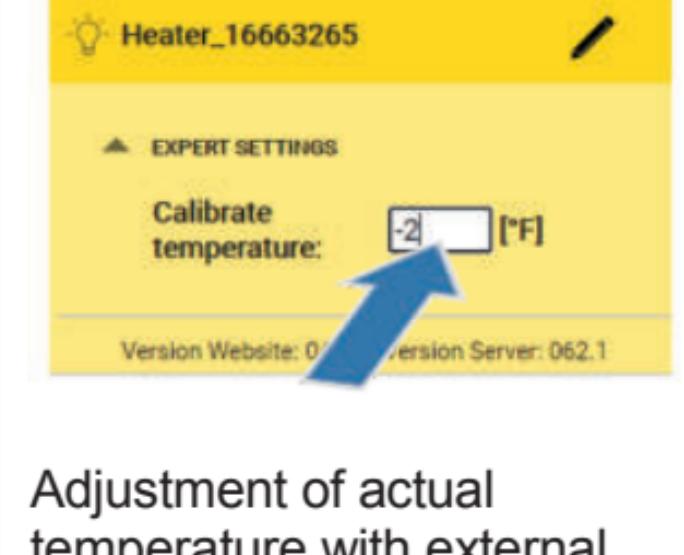
Enter and save preferred name (see items 3 & 4).

84



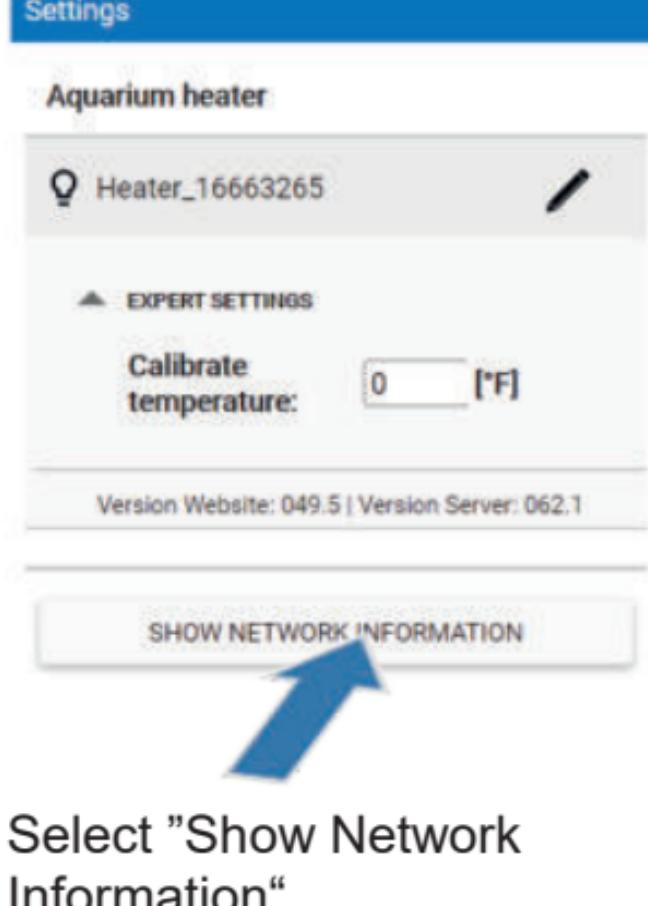
Open heater expert settings.

85



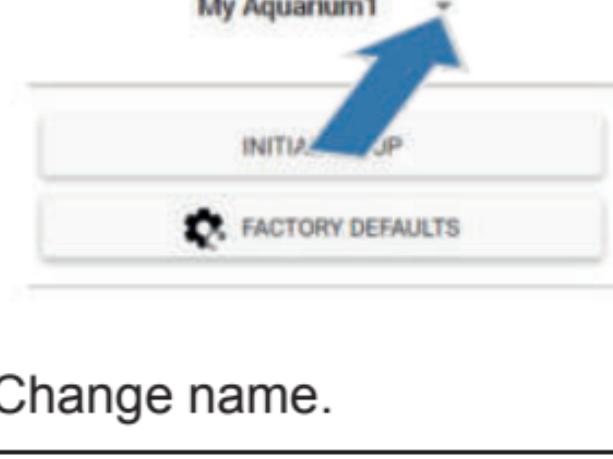
Adjustment of actual temperature with external thermometer. Example: Actual temperature = 79°F Display thermometer = 77°F Setting calibrate temperature = -2°F

86



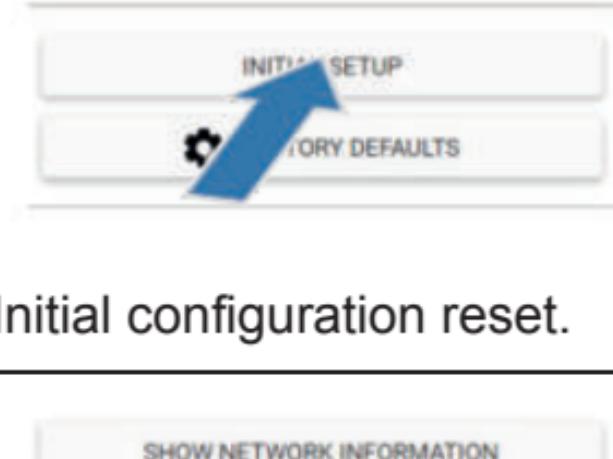
Select "Show Network Information".

87



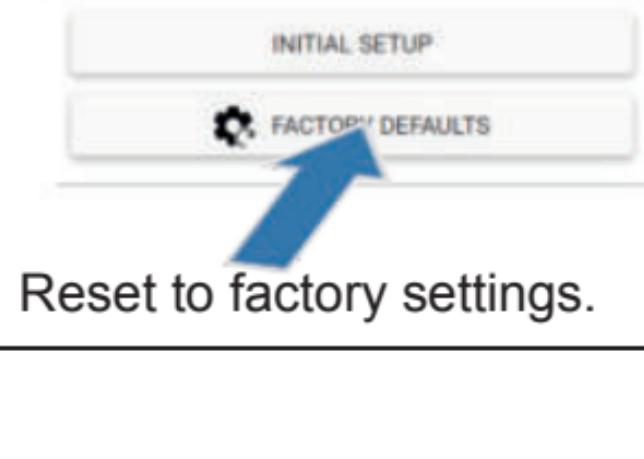
Change name.

88



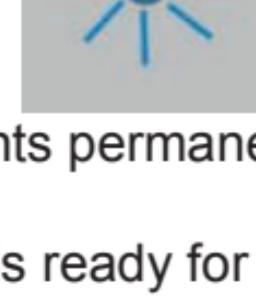
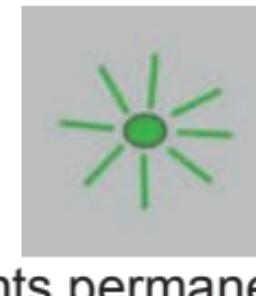
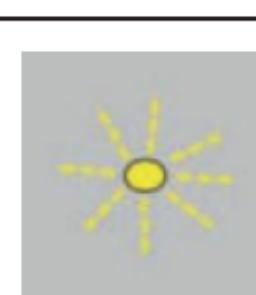
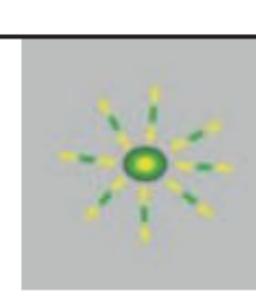
Initial configuration reset.

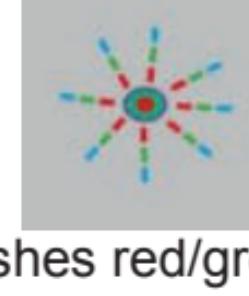
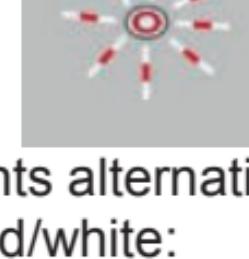
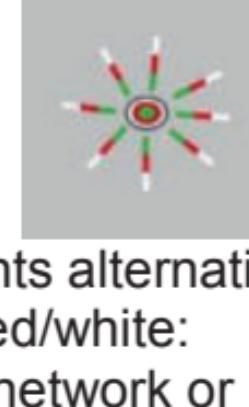
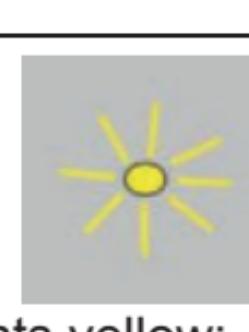
89



Reset to factory settings.

8 Status LED indicator

90	 LED flashes white: Device control unit is starting.
91	 LED lights permanently blue: Device is ready for operation (MASTER) and can be connected to WLAN-capable device (smart phone, tablet, etc.).
92	 LED lights permanently green: The device is ready for operation and is connected to a MASTER device.
93	 LED flashes yellow: Firmware update in progress.
94	 LED flashes green/yellow: Control unit waits until all connected control units are updated.
95	 LED lights permanently red: Website is missing and must be called up again via http://192.168.1.1/update .

96	 <p>LED flashes red/green/blue: Resetting the network settings or resetting to factory settings.</p>
97	 <p>LED lights alternating white/red/white: Connection to home network or to MASTER network failed (network name wrong, password wrong, poor WLAN reception).</p>
98	 <p>LED lights alternating green/red/white: Master network or home network is no longer accessible. Control unit is restarting.</p>
99	 <p>LED flashes pink: Detection mode is activated.</p>
100	 <p>LED lights yellow: WLAN function is deactivated. Reactivation (see items 77 - 79).</p>

9 Reset

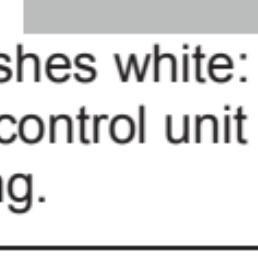
101

Press the red reset button for approx. 5 – 8 seconds.



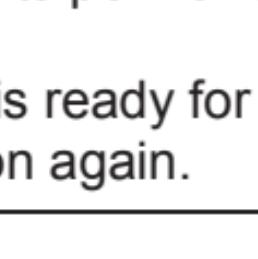
102

LED flashes red/green/blue. Device is reset.



103

LED flashes white: Device control unit restarting.



104

LED lights permanently blue: Device is ready for operation again.

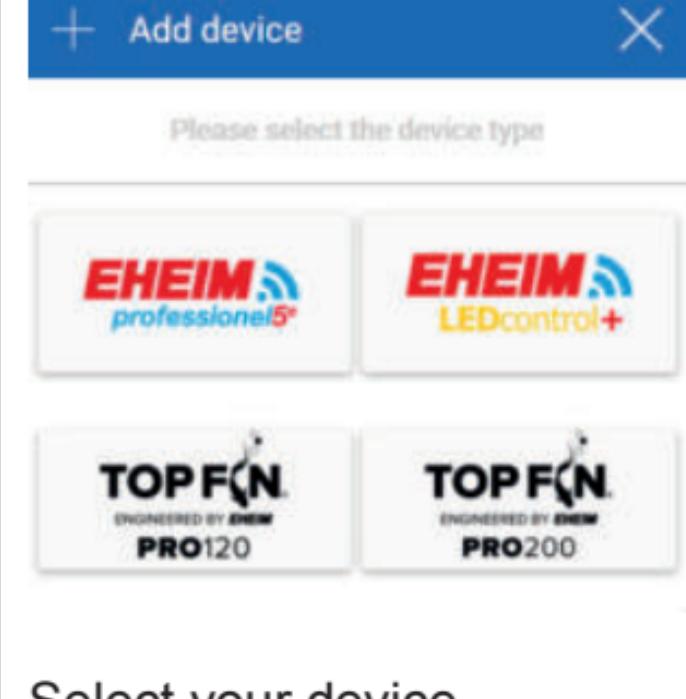
10 Connecting with other TOP FIN®Pro device

105



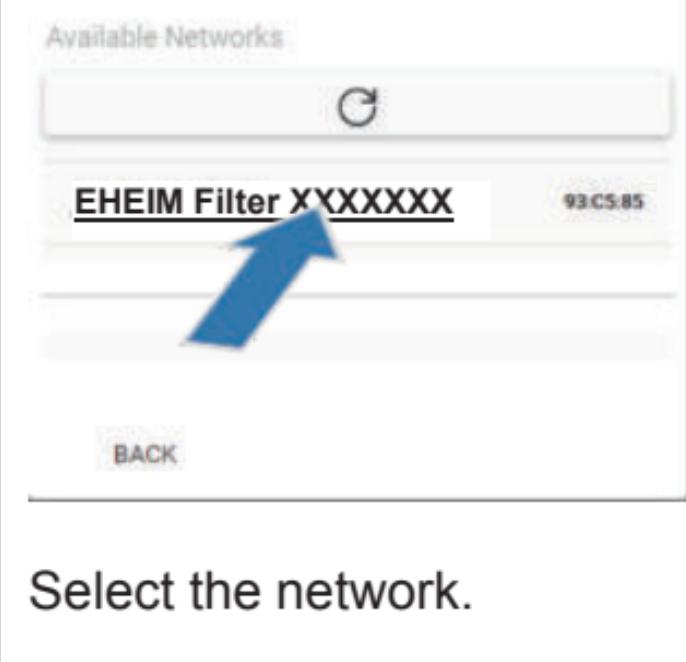
Add device.

106



Select your device.

107



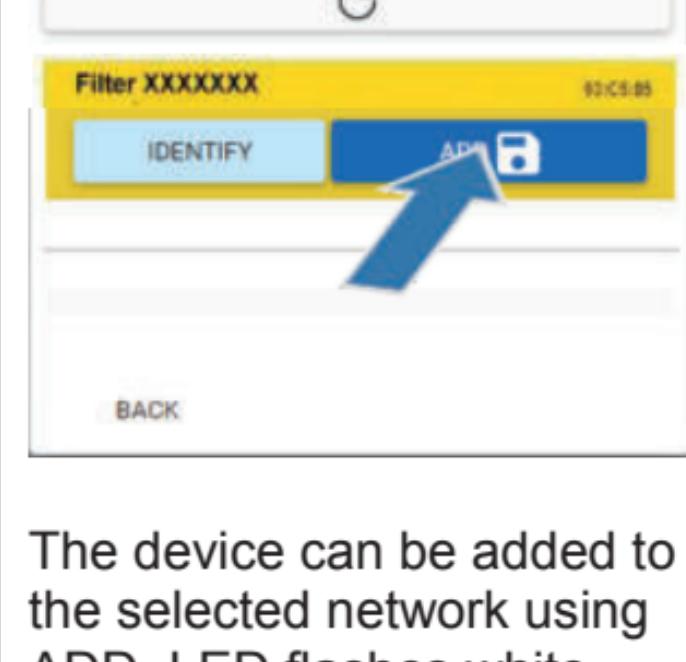
Select the network.

108



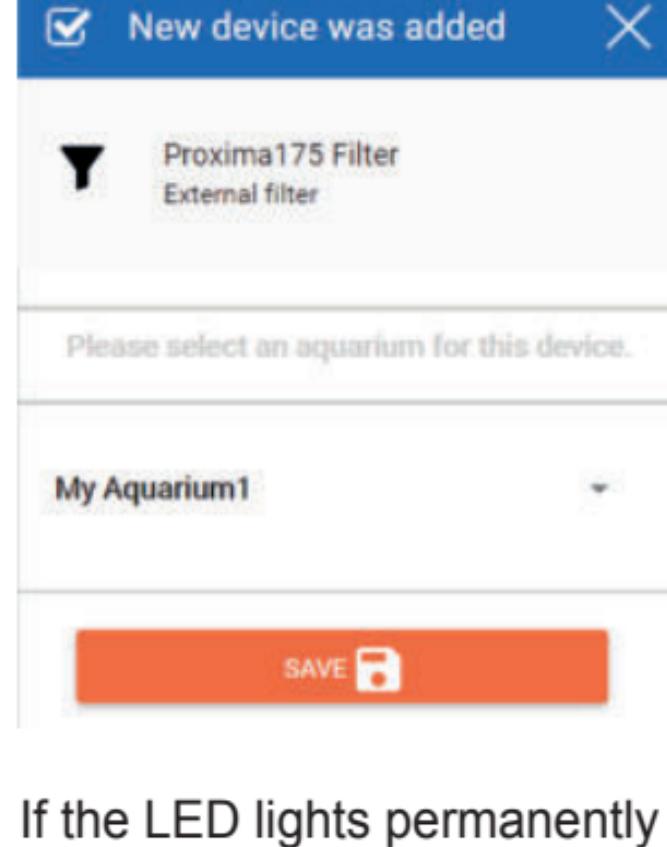
The selected device can be identified using DETECT. LED flashes pink.

109



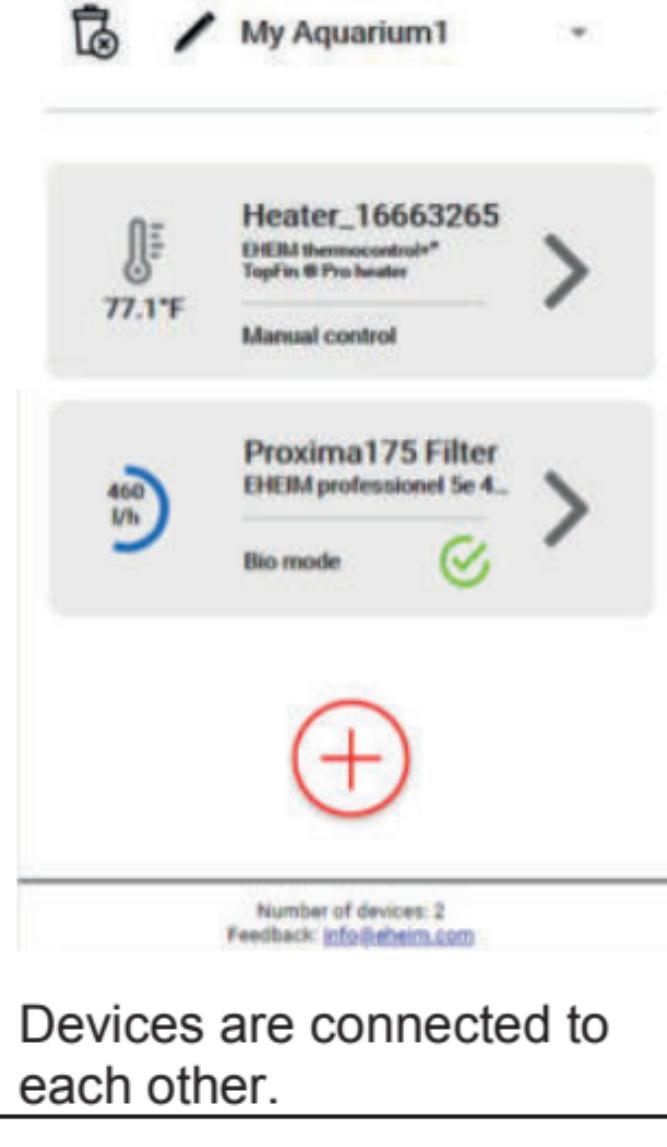
The device can be added to the selected network using ADD. LED flashes white.

110



If the LED lights permanently green, complete the process with SAVE.

111



Devices are connected to each other.

11 Information

TOP FIN®
Pro Series
Engineered by EHEIM

If you are not satisfied with this product, return it with your valid proof of purchase for a refund. Conditions apply. See store or PetSmart.com for details.

For more information about Top Fin® products, please call 1-888-839-9638.

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