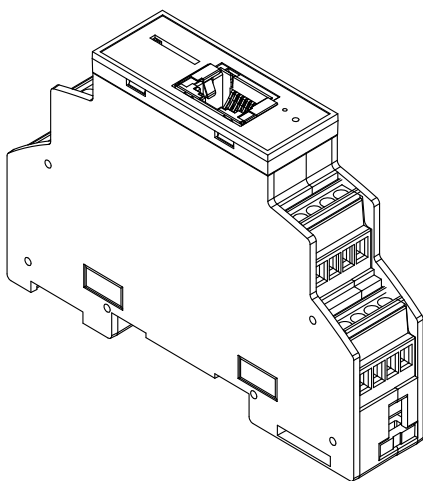


SBM-App NA Module

for the EOS Spa Control App



Installation and Operating Instructions

Made in Germany

Documentation

Manufacturer

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Original installation and operating instructions EN

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Characters, symbols and illustrations

-  Additional information about an operating step
-  Cross-reference to a page
-  Read instructions
-  Result of a step
-  Table title
-  Title of figure
- $\leq \geq$ Less than or equal to, greater than or equal to

Revision history

Date	Version	Description
14 Oct 2024	01.10	Edits and updates
23 Oct. 2023	01.00	First version

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1 General safety instructions

1.1 Mounting and electrical installation



These installation instructions are intended for qualified personnel familiar with the laws and regulations applicable to electrical installations at the installation site. Observe the following general safety instructions during mounting, configuration and commissioning of the product.

Risk to life and limb and risk of fire

Risk to life and limb from electric shock and fire in the event of improper or faulty electrical connection. This risk remains also after completion of the installation work.

- ▶ Ensure compliance with the applicable standards and regulations for electrical installation.
- ▶ The system must be completely disconnected from the mains supply before commencing installation and repair work.
- ▶ The module housing may not be opened.

Damage due to incorrect mounting location

The module is not suitable for outdoor use.

- ▶ It must be operated only inside buildings and may not be exposed to environmental conditions such as extreme humidity and moisture or the possible formation of condensation or corrosive substances in the ambient air, as well as other weather conditions.
- ▶ Similarly, excessive cold and extreme exposure to sunlight must be prevented.
- ▶ Protect the unit accordingly if there is an increased risk of mechanical damage.

1.2 Operator instruction

The operator of the sauna or infrared cabin, or steam room, must be instructed in the general safety instructions during commissioning. The operator must be given a copy of the operating instructions.

Risk of electric shock

A risk to life and limb from electric shock and fire arises in the event of improper repair work. This risk remains also after work is completed.

- ▶ Repairs and installations must only be performed by a trained specialist.
- ▶ The system must be disconnected and removed entirely from the mains supply before commencing repair work.
- ▶ Use only original spare parts from the manufacturer.

Fire hazard



Objects placed on the heater can easily be ignited and cause fires.

- ▶ If you switch on the heater using pre-set timers or remotely, attach a protective cover to the heater or install a suitable safety system (e.g., rocker switches, EOSafe).

Operation by children or persons with reduced mental capacity

- ▶ Children and persons with reduced physical, mental or sensory abilities must be supervised to ensure that they do not play with the unit.
- ▶ Children under 8 years of age should not operate sauna or infrared cabins, or steam rooms.
- ▶ The settings for the heating period may only be changed by children age 8 and up if they are supervised by an adult.
- ▶ The sauna or infrared cabin, or steam room, must only be used by persons with reduced mental capacity or limited physical or sensory abilities under supervision or if they have been previously instructed in its use and understand the risks.
- ▶ Children and persons who have not received proper instruction must not clean or service the system.

1.3 Safety levels

Safety instructions and important operating instructions are classified according to ANSI Z535.6. Please familiarize yourself with the following terms and symbols:

WARNING

Warning

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Caution

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

Notice

Indicates a hazardous situation which, if not avoided, will result in damage to the unit.

1.4 Standards and regulations

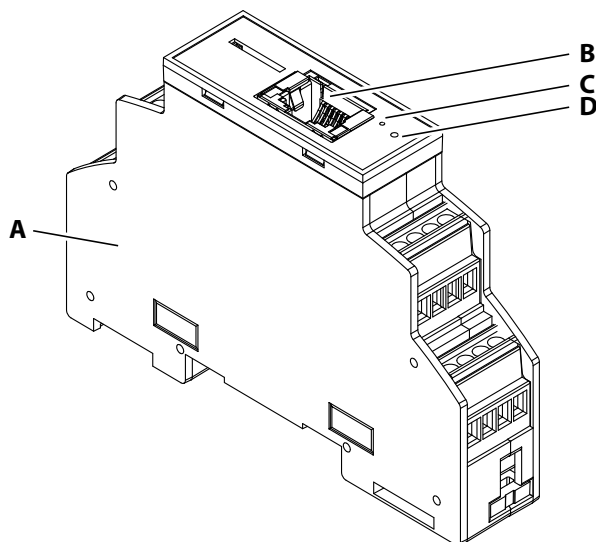
For an overview of the standards that were observed during design and construction of the unit, please refer to the individual product's technical data sheet that can be downloaded from www.eos-sauna.com.

Local regulations also apply to the installation and operation of heating, sauna, and steam room systems.

2 Identification

The SBM App NA Module is used in conjunction with the EOS Spa Control App for the remote control of selected functions in sauna and infrared cabins and steam rooms.

2.1 Unit design



A Housing

B Ethernet port

C Pairing LED

D Pairing button

2.2 Scope of delivery

The scope of delivery includes the following:

- SBM App NA Module
- Sauna bus cable
- Installation and Operating Instructions

Check the scope of delivery for completeness prior to mounting and installation.

2.3 Nameplate

The nameplate is attached to the side of the SBM App NA Module.



A Manufacturer

B Hardware ID

C MAC address

D Product name

E Manufacturer address

F Country of manufacture

2.4 Technical data

Ambient temperature	-10 °C / 14 °F to 40 °C / 104 °F
Storage temperature	-20 °C / -4 °F to 60 °C / 140 °F
Module housing	Plastic
Module dimensions (H x W x D)	62 x 90 x 18 mm 2.44 x 3.54 x 0.71"
Control units	EmoTec D/H USA and CAN (firmware R4.09 and above) EmoStyle D/H USA and CAN (firmware R4.09 and above) EmoTouch 3 USA and CAN(firmware R3.00 and above)
Connections	1 x EOS sauna bus (RJ12 plug 6P6C) 1 x 10/100 Base-T Ethernet RJ45 jack, shielded
Power supply	24 V DC via EOS sauna bus cable
Module energy consumption	< 1 W
Terminal torque	0.22 to 0.25 Nm
Operating systems that support the app	iOS, Android
Port required for connection	7250
Variable IP address assignment	Via DHCP, IPv4
Units of measure for temperature display	Automatic conversion between °C and °F depending on the mobile device's region.

2.5 Requirements for operation and storage

The SBM App NA Module is exclusively for installation outside of the sauna or infrared cabin, or steam room. The mounting location must meet the following environmental condition requirements:

- Ambient temperature during operation -10 °C / 14 °F to 40 °C / 104 °F
- Storage temperature -20 °C / -4 °F to 60 °C / 140 °F
- No condensing or corrosive atmosphere

The SBM App NA Module can be operated with one of the following control units:

- EmoTec D/H USA and CAN (firmware R4.09 and above)
- EmoStyle D/H USA and CAN (firmware R4.09 and above)
- EmoTouch 3 USA and CAN (firmware R3.00 and above)

Check the current software version of your control unit. Update the software if the version does not match the specifications above. The control units are not included in the scope of delivery.

For more detailed information on the control units, please refer to the relevant operating instructions.

2.6 Intended use

The SBM App NA Module is used as an extension for the control units of the EmoTec D/H USA and CAN, EmoStyle D/H USA and CAN and EmoTouch 3 USA and CAN series in conjunction with the EOS Spa Control App for remote control of selected functions in sauna and infrared cabins and steam rooms.



The SBM App NA Module is not suitable for outdoor use. It must be operated only inside buildings and may not be exposed to environmental conditions such as extreme humidity and moisture or the possible formation of condensation or corrosive substances in the ambient air, as well as other

weather conditions. Similarly, excessive cold and extreme exposure to sunlight must be prevented. Protect the unit accordingly if there is an increased risk of mechanical damage.

The SBM App NA Module is not suitable for installation at a height of over 2000 m (6,562 ft).

Foreseeable misuse

The following are considered instances of foreseeable misuse:

- The connecting cables are connected incorrectly.
- The cabin addresses are programmed incorrectly.
- The unit is operated without knowledge of or compliance with the safety instructions.
- The unit is operated in conjunction with a sauna cabin that does not comply with the applicable safety standards.
- Operating, service and maintenance requirements are not observed.
- The unit is operated by children under 8 years of age.
- The unit is operated by children 8 years of age or older, or persons with reduced mental capacity who have not been thoroughly instructed in its use.

3 Mounting and electrical installation

This chapter explains how to install and set up the SBM App NA Module.

NOTICE

Damage due to incorrect mounting location

Weather conditions lead to condensation formation in the housing of the SBM App NA Module and damage the lines and circuit boards.

- ▶ The module may be installed and operated indoors only.
 - ▶ Protect the module in a suitable housing (IPx4).
 - ▶ Protect the module from splash water, increased humidity, or moisture.
 - ▶ Protect the module from corrosive conditions in the ambient air.
 - ▶ Protect the module from frost and direct sunlight.
 - ▶ Protect the module from mechanical damage.
-

3.1 Mounting the SBM App NA Module

You need the following:

- Standard Ethernet cable (RJ45)
- Compatible control unit
- Internet access point (router/DSL modem)

The SBM App NA Module is designed for mounting on a top-hat rail and can be installed either next to the control unit relay box (recommended) or next to the Internet access point (router/DSL modem).

- 1 Ensure that the relay box is disconnected from the power supply.
- 2 Mount the SBM App NA Module on a top-hat rail.
- 3 Connect the sauna bus cable of the SBM App NA Module to a free sauna bus connection (RJ12) on the relay box.
 - ① Observe the installation instructions for the relay box when connecting the sauna bus cable to the relay box.
- 4 Connect the SBM App NA Module to an Internet access point (router/DSL modem) using a standard Ethernet cable (RJ45).

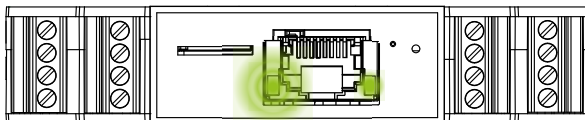
3.2 Installing the SBM App NA Module

You need the following:

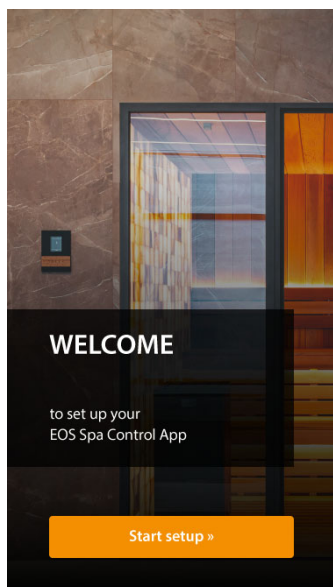
- Thin, pointed object (e.g., paper clip)
- Mobile device (iOS, Android) with active Internet connection
- Internet connection (e.g., router/DSL modem)
- EOS Spa Control App on the mobile device

Ensure that the Internet connection is not blocked by the firewall (port 7250 must be available).

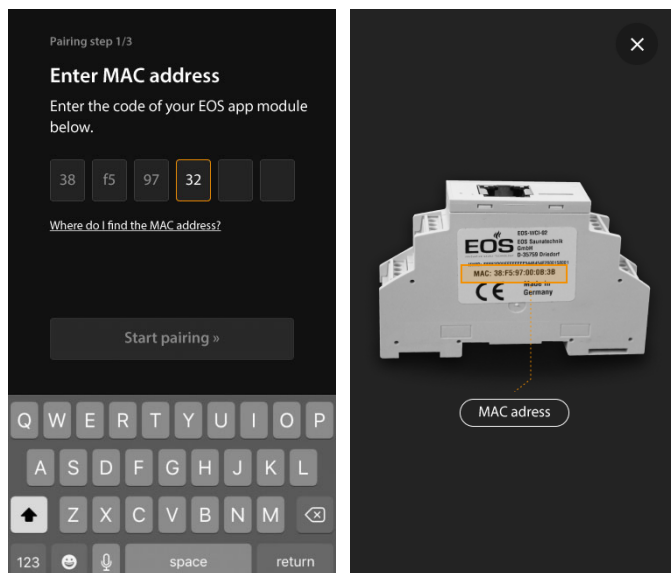
- 1 Switch on the control unit.
 - ☑ The SBM App NA Module is supplied with voltage via the sauna bus.
- 2 Check the Internet connection of the SBM App NA Module.
 - ① The SBM App NA Module automatically attempts to establish an Internet connection. An Internet connection is established when the right LED below the Ethernet port illuminates green continuously. The left-hand LED below the Ethernet port flashes green when there is network activity.



- 3 Download the EOS Spa Control App from the App Store (iOS) or Play Store (Android) and install it on your mobile device.
- 4 Open the EOS Spa Control App.
- 5 Choose **Start setup** ».

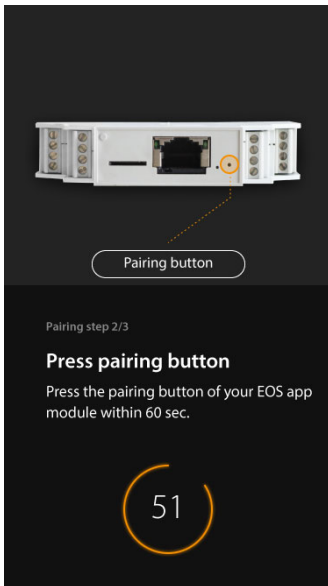


- 6 Enter the individual MAC address for the SBM App NA Module.
- ① The MAC address is on the nameplate of the SBM App NA Module.
See 2.3 Nameplate,  EN-10.



- 7 Choose **Start pairing »**.
- ① Have a thin object (e.g., paper clip) ready.

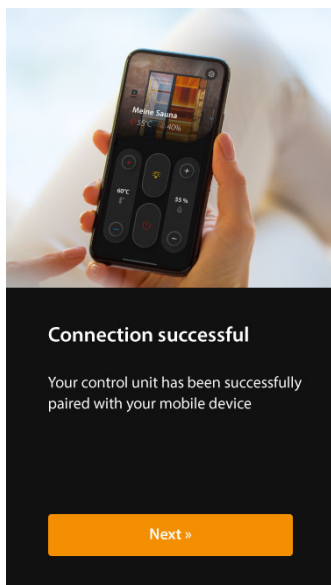
- 8 Within 60 seconds, press and hold the pairing button on the SBM App NA Module with a thin, pointed object for approx. 2 seconds.



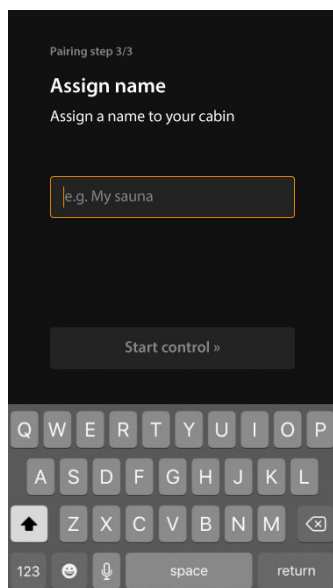
- ❗ Pairing may fail if the pairing button is not pressed long enough or pressed too long. After releasing the pairing button, the pairing LED briefly illuminates red.
- ❗ If pairing does not occur within 60 seconds, the screen for entering the MAC address reappears and pairing can be restarted. The time remaining for pairing is displayed in the app.

If pairing fails:

- a) Ensure that the SBM App NA Module and the mobile device are connected to the Internet (indicated by a green status LED on the module).
 - b) Ensure that the pairing button is pressed and held for approx. 2 seconds.
- ☒ If pairing is successful, a message is displayed in the app.

9 Choose Next ».**10 Enter the sauna name.**

① Additional cabins can be added later.

**11 Choose Start control » to complete installation.**

4 Operation

4.1 Starting the heating process

- 1  and : Press and hold for 3 seconds at the same time.

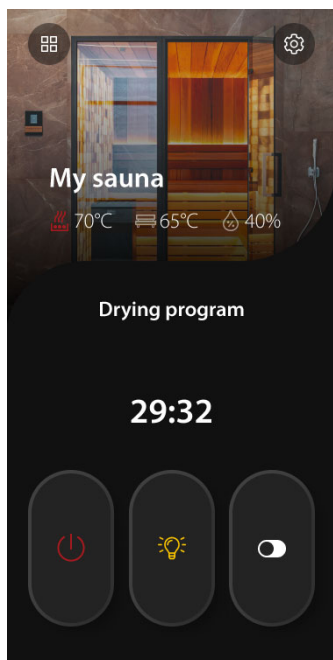
☒ The heating process starts.

4.2 Ending the heating process

- 1 : Select.

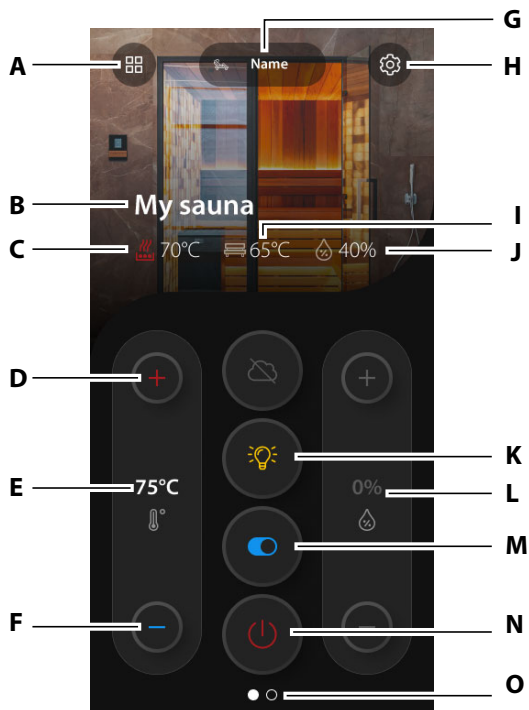
 In sauna cabins and steam rooms, the control unit switches to the drying program. The duration of the drying program can be set on the control panel (factory setting: 30 minutes). At the end of the drying program, the control unit switches off.

- 2 To end the drying program prematurely: 



- 3 Confirm the prompt.

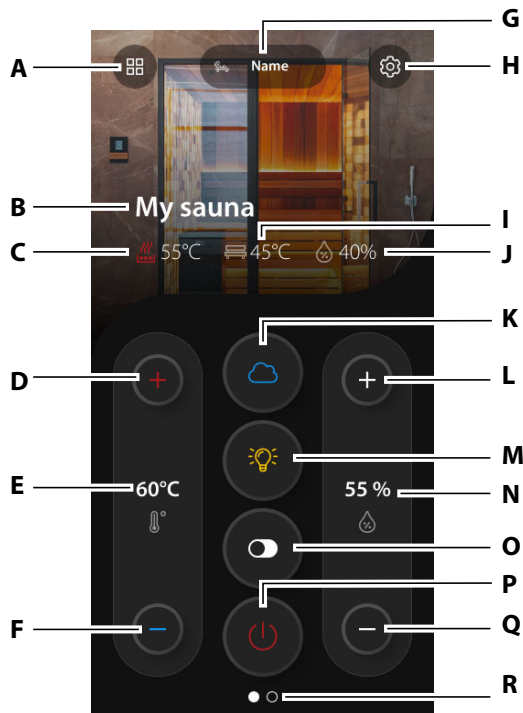
4.3 Operating the sauna in Finnish mode



- A** Overview of cabins
- B** Cabin name
- C** Temperature (actual value)
- D** Increase temperature
- E** Temperature (target value)
- F** Decrease temperature
- G** Selected profile
- H** Settings

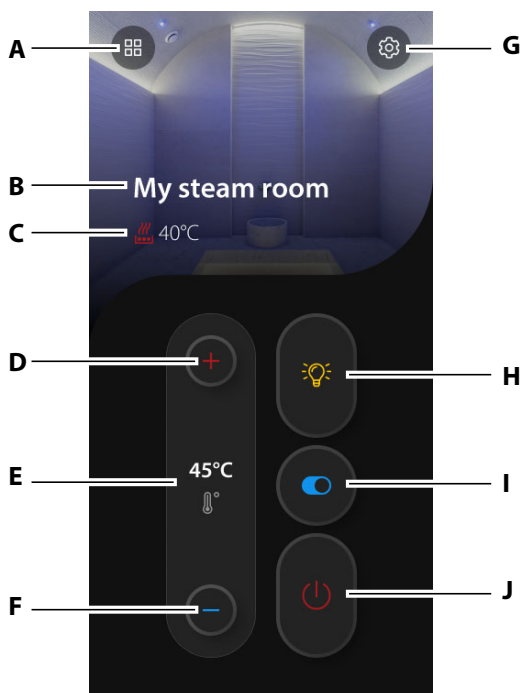
- I** Bench temperature
- J** Humidity (actual value)
- K** Switch lighting on/off
- L** Humidity (target value)
- M** Switch potential-free contact on/off
- N** End heating process
- O** Screen page view

4.4 Operating the sauna in Bi-O mode



- | | |
|---|---|
| A Overview of cabins | J Humidity (actual value) |
| B Cabin name | K Switch vaporizer on/off |
| C Temperature (actual value) | L Increase humidity |
| D Increase temperature | M Switch lighting on/off |
| E Temperature (target value) | N Humidity (target value) |
| F Decrease temperature | O Switch potential-free contact on/off |
| G Selected profile | P End heating process |
| H Settings | Q Decrease humidity |
| I Bench temperature (if available) | R Screen page view |

4.5 Operating the steam room



A Overview of cabins

B Cabin name

C Temperature (actual value)

D Increase temperature

E Temperature (target value)

F Decrease temperature

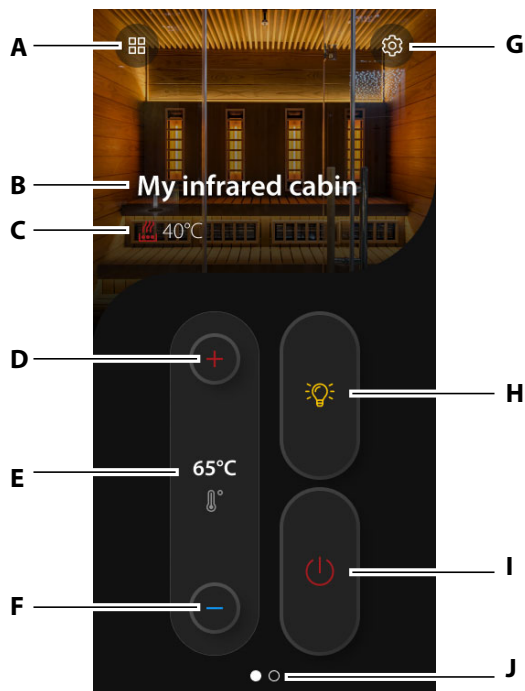
G Settings

H Switch lighting on/off

I Switch potential-free contact on/off

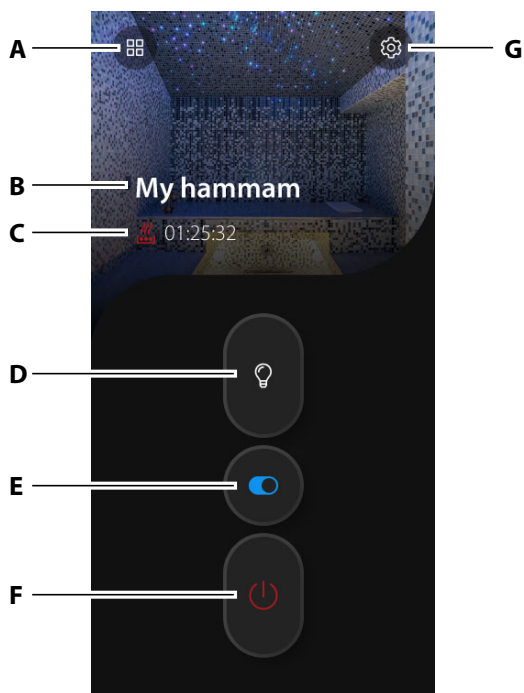
J End heating process

4.6 Operating the infrared cabin



- | | |
|-------------------------------------|---------------------------------|
| A Overview of cabins | F Decrease temperature |
| B Cabin name | G Settings |
| C Temperature (actual value) | H Switch lighting on/off |
| D Increase temperature | I End heating process |
| E Temperature (target value) | J Screen page view |

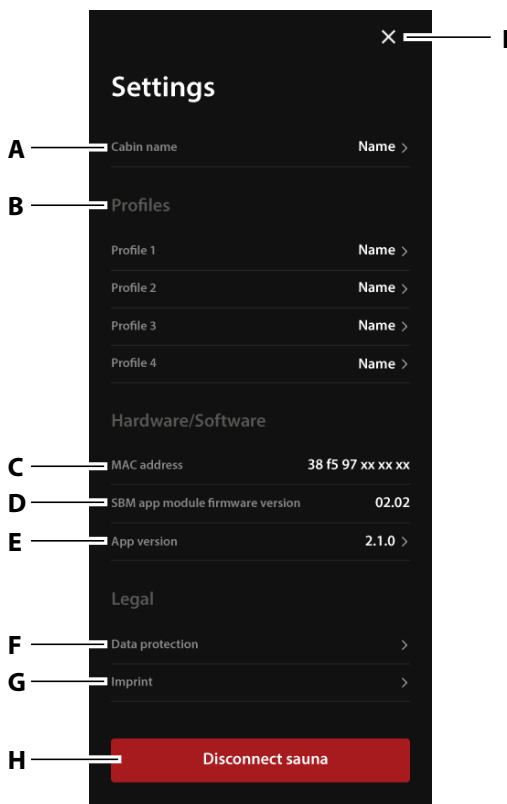
4.7 Operating the Roman bath



- A** Overview of cabins
- B** Cabin name
- C** Time remaining
- D** Switch lighting on/off

- E** Switch potential-free contact on/off
- F** End heating process
- G** Settings

4.8 Changing the settings



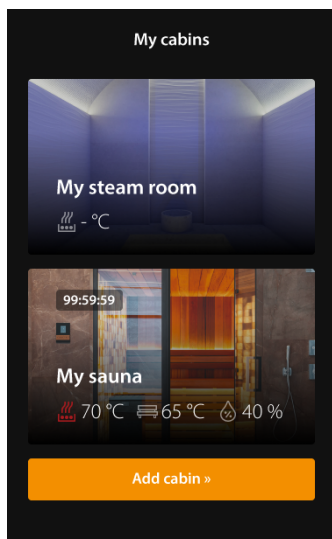
- | | |
|---|------------------------------|
| A Change cabin name | F Data privacy notice |
| B Edit profile | G Legal notice |
| C SBM App NA Module MAC address | H Disconnect cabin |
| D SBM App NA Module firmware version | I Exit settings |
| E App version | |

4.9 Cabins

4.9.1 Adding a cabin

You can control the functions of up to 8 cabins with the EOS Spa Control App. Each cabin requires its own SBM App NA Module.

- 1  : Select.
- 2 Select **Add cabin** ».



❶ Note for EmoTouch 3 USA and CAN with multi-cabin control: A separate SBM App NA Module with the corresponding programmed cabin ID must be connected for each cabin starting with address 2. Such modules are available on request. The default ID for the SBM App NA Modules ex works is 1.

- 3 Perform pairing. See 3.2 Installing the SBM App NA Module,  EN-15

4.9.2 Disconnecting the cabin

- 1  : Select.
- 2 Select **Disconnect sauna**. The cabin is removed from the app

4.9.3 Selecting a cabin

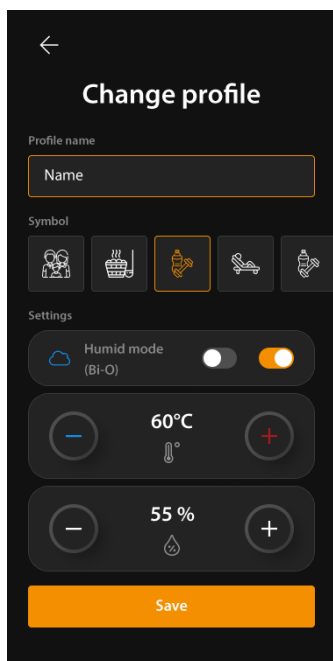
- 1  : Select.
- 2 Select the desired cabin.

4.10 Profile

4.10.1 Editing a profile

You can create up to 4 individual profiles per cabin with preset values. The values that can be set depend on the cabin type.

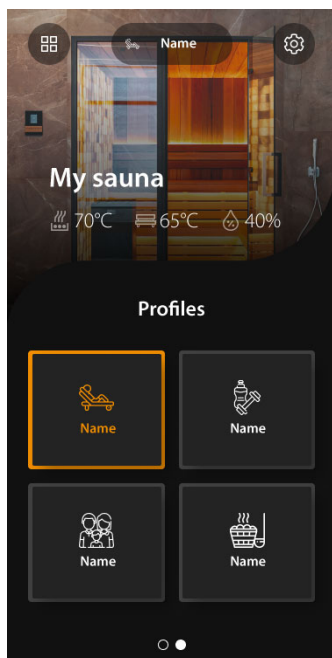
- 1  : Select.
- 2 Select the desired profile from the **Profiles** menu.
- 3 Enter a profile name.



- 4 Select an icon.
- 5 Switch vaporizer on/off: 
- 6 Set temperature:  
- 7 Set humidity:  
- 8 Select **Save**.

4.10.2 Selecting a profile

- 1 On the home screen, scroll to **Profiles** ○●.
- 2 Select the desired profile.



4.11 Troubleshooting

Error	Reason	Solution
The cabin cannot be switched on or off.	The relay box is switched off.	Switch on the relay box.
	The SBM App NA Module is not connected to the Internet.	Check the Internet connection of the SBM App NA Module.
	The mobile device is not connected to the Internet.	Check the mobile device's Internet connection.
The values set in the EOS Spa Control App are not applied.	The relay box is switched off.	Switch on the relay box.
	The SBM App NA Module is not connected to the Internet.	Check the Internet connection of the SBM App NA Module.
	The mobile device is not connected to the Internet.	Check the mobile device's Internet connection.

5 General terms and conditions of service

(T&C, Dated 08-2018)

I. Scope

Unless otherwise agreed in writing for specific instances, these terms and conditions of service shall apply to service operations, including reviewing and remedying complaints. All our existing or future legal relationships shall be governed solely by the following terms and conditions of service. We do not recognize any of the customer's conflicting terms and conditions unless we have given our express written consent to their applicability.

We hereby expressly object to any of the customer's terms and conditions included in the customer's General Terms and Conditions of Business or order confirmation. Unconditional acceptance of order acknowledgments or deliveries shall not be construed as any form of acknowledgment of such terms and conditions. Ancillary agreements or amendments must be confirmed in writing.

II. Costs

The customer shall bear the following costs in connection with services rendered:

- Mounting/dismantling and electrical (de-)installation
- Transportation, postage and packaging
- Function testing and troubleshooting, including inspection and repair costs

There shall be no third-party billing.

III. Performance and cooperation obligations

The customer shall provide assistance free of charge to the manufacturer in rendering services.

In the case of a warranty claim, the manufacturer shall provide spare parts necessary for servicing free of charge.

IV. Service visit by the manufacturer

Services rendered on site by an employee of the manufacturer must be agreed in advance.

If the main reason for the service visit is not the fault of the manufacturer, any costs incurred shall be charged to the customer after the service visit and must be paid by the customer in full within the agreed payment term.

V. Liability

The manufacturer shall assume liability in accordance with the currently applicable statutory regulations. All our products are packaged in such a way that the individually packed goods (pallets) can be shipped.

We wish to point out that our packaging is not suitable for individual shipments via postal service. The manufacturer shall accept no liability for damages incurred as a result of improper packaging in an individual shipment.

VI. Manufacturer's warranty

The manufacturer's warranty shall apply only if installation, operation and maintenance have been carried out in full accordance with the manufacturer's specifications in the installation and operating instructions.

- The warranty period shall commence from the date on which proof of purchase is provided and shall be limited, in all cases, to 24 months.
- Warranty services shall be performed only if proof of purchase of the equipment can be presented.
- Any and all warranty claims shall become void if modifications are made to the equipment without the manufacturer's express consent.
- Any warranty claim shall likewise become void in the case of defects that arise due to repairs or interventions made by unauthorized persons or due to improper use.
- In the case of warranty claims, the serial and article numbers must be provided, together with the unit designation and a meaningful description of the error.
- This warranty shall cover defective equipment parts, with the exception of normal wear parts. Wear parts shall include, for example, light sources, glass elements, tubular heating elements and sauna heater stones.
- Only original spare parts may be used within the warranty period.

- Service visits made by third parties shall require a written order issued by our service department.
- The equipment in question shall be sent to our service department by the customer at the customer's own expense.
- Electrical assembly and installation work, including service visits and parts replacements, shall be carried out at the customer's expense; costs shall not be borne by the manufacturer.

Complaints in respect of our products shall be reported to the responsible distributor and shall be handled exclusively by said distributor.

The manufacturer's General Terms and Conditions of Business, in the version available at www.eos-sauna.com/agb, shall apply in addition to the foregoing terms and conditions of service.

6 Disposal



Electrical devices that are no longer needed must be recycled at a recycling station as per EU guideline 2012/19/EU or as per the Electrical and Electronic Equipment Act (ElektroG).

Observe local provisions, laws, regulations, standards and directives when disposing of the unit.



Do not dispose of the unit with household waste.



Packaging

The unit's packaging can be completely separated for disposal and recycled. The following materials are used in the packaging:

- Used paper, cardboard
- Plastic foil
- Foam material

Electronic waste

Electronic waste must be disposed of at the designated local collection point for electronic waste.



FINEST SAUNA ENGINEERING

Service address

EOS Saunatechnik GmbH

Schneiderstriesch 1

35759 Driedorf, Germany

Tel. +49 2775 82-514

Fax +49 2775 82-431

Email service@eos-sauna.de

Web www.eos-sauna.com

Store this address with the installation instructions in a safe place.
Please always provide us with nameplate data, such as model, item number and serial number so we can provide fast and efficient support.

Date of sale

Stamp/retailer signature: