SIEGENIA
brings spaces to life

OPERATING AND CARE INSTRUCTIONS

AEROMAT VT system

AEROMAT VT A
AEROMAT VT Z

Table of contents

1 About this documentation

1.1 Original operating instructions

These instructions are part of the original operating instructions. The operating instructions consist of the following sections:

- assembly instructions
- operating and service instructions

1.2 Read the instructions

These instructions are an important document and part of the product. Only the defined procedures are safe. Persons can be injured or material damage could occur if these instructions are not observed.

Read and observe the instructions completely before using the product.

Retain these instructions, keep them available and pass them on to subsequent users.

1.3 Producer

SIEGENIA-AUBI KG
Industriestraße 1 – 3
57234 Wilnsdorf
Germany

You can find the addresses of our worldwide locations here: siegenia.com/company/locations

Entry in Commercial Register:

- Registry court: Siegen district court
- Register number: HRA 3741

1.4 Target group

This information is aimed at all persons who carry out the following activities:

- operation and maintenance of SIEGENIA products
- operation and maintenance of window elements or door elements that are equipped with SIEGENIA products

1.5 Applicable information

Note the following applicable information prior to operation.

- Help for the SIEGENIA Comfort app (Android) https://link.si/td/and001/0523
- Help for the SIEGENIA Comfort app (iOS) https://link.si/td/ios001/0523

1.6 Symbols used

1.6.1 LED

- LED off
- LED lights up
- LED flashes in 1 colour
- LED flashes alternately in 2 colours

1.7 Abbreviations

Abbreviation	Explanation
TVOC	Total Volatile Organic Compounds: volatile organic compounds in gaseous form (e. g. ethanol, carbon monoxide, methane, butane and cigarette smoke).
CO_2	Carbon dioxide: a chemical compound composed of carbon and oxygen.
NOx	Nitrogen monoxide and nitrogen dioxide are collectively referred to as NO_x.
ISO Coarse 30%	Grit filter, filter designation according to DIN EN ISO 16890-1
ISO Coarse 45%	Grit filter, filter designation according to DIN EN ISO 16890-1
ISO ePM1 50%	Fine dust filter, filter designation according to DIN EN ISO 16890-1
WIFI	Wireless local area network.

2 Safety

2.1 Intended use

- The AEROMAT VT system is a ventilation system for ventilating and extracting air from closed rooms.
- The AEROMAT VT system consists of different device types. These different device types can be combined with each other.
- The AEROMAT VT system is suitable for installation in external windows or walls of fixed buildings.
- Depending on the environmental conditions, the AEROMAT VT system can support dehumidification in the home.
- The AEROMAT VT system is not suitable for targeted dehumidification (e. g. drying out new buildings or concealing defects or deficiencies in the construction).

2.2 Requirements for the target group

The following persons may only operate the product if they have understood the dangers involved in handling the product or if they are supervised during operation:

- children
- persons with diminished physical, sensory or mental capabilities
- persons with a lack of experience and knowledge

2.3 Safety notes

Risk of poisoning from combustion fumes

A vacuum can be created when this ventilation unit is operated simultaneously with a heat-producing appliance (such as a stove or gas heater). The vacuum could cause exhaust fumes to enter the room, resulting in poisoning.

- Have the ventilation compound in your home checked by an accredited chimney sweep.
- For ventilation units that permanently run in exhaust air operation, install a safety device in consultation with the accredited chimney sweep.

Risk of poisoning from contaminated air

When the ventilation unit is in operation, hazardous substances can enter the room, resulting in poisoning.

- If the air drawn in contains hazardous substances, switch off the ventilation unit.

Explosion hazard due to electrical sparks

When operating the ventilation unit in environments with an explosive atmosphere, electrical sparks may cause an explosion. Explosive atmospheres are created, for example, by flammable liquids, steam, gas or dust.

- Do not use the ventilation unit in environments with an explosive atmosphere.

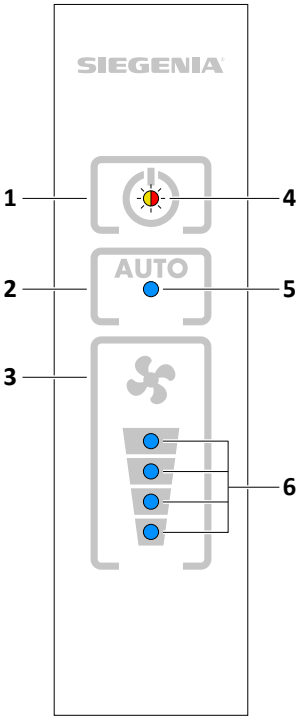
Risk of injury from using unsuitable components

Components, accessories and spare parts which do not comply with SIEGENIA requirements can impair the safety of the product and lead to accidents.

- Use original parts or components that comply with the SIEGENIA requirements. If in doubt, contact SIEGENIA for confirmation.

3 Product specifications

3.1 Touch control



Item	Name	Purpose
1	ON/OFF button	• Switches the device on and off.
2	AUTO button	• Switches automatic mode on and off. • Opens the menu navigation when pressed and held.
3	Blower level button	• Toggles through the blower levels. • Confirms change filter function when held down.
4	Status LED	• Lights up blue when the device is switched on. • Flashes green while an external switch input is active (e.g. bathroom control). • Lights up or flashes in different colours while the menu navigation is displayed. • Lights up or flashes orange or red when there is an error.
5	AUTO LED	• Lights up blue when automatic mode is switched on. • Flashes blue when the filter needs replacing.
6	Blower level LEDs	• Light up blue depending on which blower level is activated. • The bottom LED flashes blue during the warm-up phase of the calibration. • The top LED flashes blue when the condensate and frost protection control is active.
-	Buzzer	• Produces a beeping sound during operation and when there is an error message.

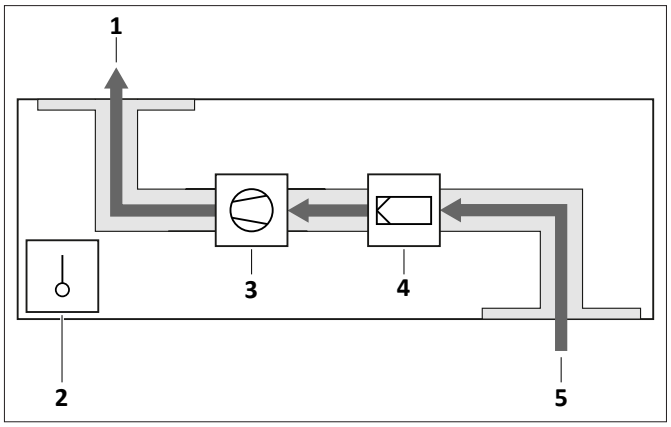
3.2 Operation

3.2.1 Functions of the AEROMAT VT A / AEROMAT VT Z

Functional element	Device type	
	A	Z
Exhaust-air filter ISO Coarse ≥ 30%	○	-
Outside-air filter ISO Coarse ≥ 45%	-	●
Outside-air filter ISO ePM1 ≥ 50%	-	○
Outside-air filter NOx	-	○
Locking plugs (room side)	●	●
Electric lock	○	○
Touch control	●	●
Inside temperature and humidity sensor	●	●
Outside temperature and humidity sensor	-	○
Air-quality sensor with CO_2 regulation	○	○
Air-quality sensor with CO_2 and TVOC regulation	○	○
WIFI / operation via SIEGENIA Comfort app	○	○
Digital outputs	○	○
External inputs	○	○
Special function – bathroom control	-	○
Special function – night or cross ventilation	○	○
Special function – additional blower level	○	○
Configurable software	○	○
SI-BUS	○	○

Symbol	Explanation
●	Standard version
○	Optional or alternative version
-	not available

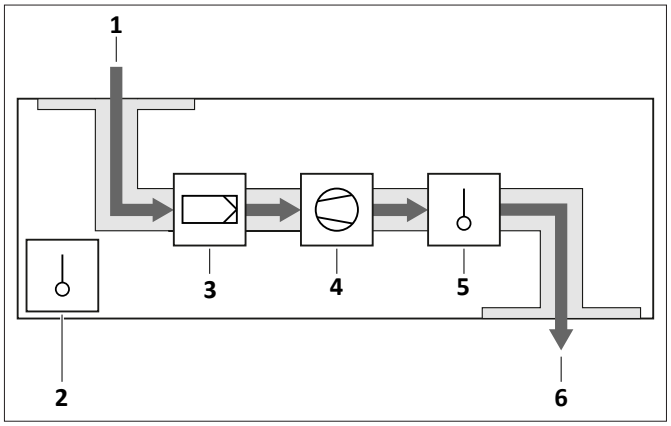
3.2.2 AEROMAT VT A



Item	name
1	Exhaust air
2	Sensor
3	blower
4	Filter (optional)
5	air extraction only

- AEROMAT VT A is a unidirectional exhaust air ventilation unit in home ventilation systems for the ventilation of closed rooms. The exchange of air is accomplished using an exhaust air blower.

3.2.3 AEROMAT VT Z



Item	name
1	Outside air
2	Sensor
3	Filters
4	blower
5	Sensor (optional)
6	Supply air

- AEROMAT VT Z is a unidirectional supply air ventilation unit in home ventilation systems for the ventilation of closed rooms. The exchange of air is accomplished using a supply air fan.

3.2.4 Locking plugs (room side)

- The locking plugs close the louvres in the ventilation unit.
- When the louvres are closed, no ventilation takes place.
- The locking plugs can be stored on the inside of the inner panel.

3.2.5 Electric lock

- The "ON/OFF" button opens and closes the ventilation unit.
- When the ventilation unit is closed, no ventilation is provided.

3.2.6 Temperature and humidity sensor

- The inside temperature and humidity sensor measures the inside temperature as well as the inside humidity.
- The outside temperature and humidity sensor measures the outside temperature as well as the outside humidity.
- The SIEGENIA Comfort app displays the measured values.

3.2.7 Air quality sensor

- The air quality sensor determines a derived CO_2 value based on human aspiration (hydrogen H_2).
- The air quality sensor optionally also determines a TVOC value based on the ethane content in the air.
- The SIEGENIA Comfort app displays the air quality using a traffic light system.
- The air quality sensor calibrates itself once when commissioned. During the calibration process, the sensor adapts to its environment.

3.2.8 Blower levels

- Touch Control uses 4 LEDs to indicate the blower levels.
- The blower levels can be adjusted via Touch Control, the SIEGENIA Comfort app or external inputs.
- Operation via Touch Control: use the "blower level" button to adjust the air throughput.
- Operation via the SIEGENIA Comfort app: use the SIEGENIA Comfort app to continuously adjust the air throughput.
- Operation via external inputs: the ability to adjust settings via external inputs is dependent on the device equipment level and the electrical connection.
- After a power failure, the ventilation unit switches to the last blower level used.

3.2.9 Automatic mode

- Touch Control uses LEDs to indicate automatic mode.
- Automatic mode can be activated and deactivated via Touch Control, the SIEGENIA Comfort app or external inputs.
- Automatic mode controls the blower levels automatically.
- The necessary blower level is dependent on the temperature and air humidity, as well as optionally on the CO_2 value and on the TVOC value. The least favourable value is the significant value.
- The blowers do not switch off in automatic mode. The blowers run at a low level as a minimum.

3.2.10 Child safety

- The child-proof lock blocks Touch Control.
- When the child-proof lock is activated, the device can only be controlled via the SIEGENIA Comfort app or via external inputs.

3.2.11 Condensate and frost protection control

- The condensate and frost protection control serves the device protection and secures the functioning of the device even in case of lower outside temperatures.
- The supply air volume flow is reduced at an outside temperature of +5°C.
- Depending on the environmental conditions, which are constantly recorded by the humidity and temperature sensors, the volume flow of the supply air is reduced even further if necessary. These conditions could be lower outside temperatures or a particularly high room humidity, for example.
- The volume flow of the supply air is reduced when there is an outside temperature of −5°C and an exhaust air humidity of > 50%.
- If the outside temperature reaches a value below −15°C, the ventilation unit is switched off for at least 1 hour until the outside temperature rises again.
- As soon as the outside temperature rises above −10°C again, the device switches to the last level used.

3.2.12 Filter replacement indicator

- When the filter needs replacing, the AUTO LED flashes blue.
- When the filter needs replacing, the SIEGENIA Comfort app displays a warning message.
- The filter replacement indicator can be reset via the touch control or the SIEGENIA Comfort app.
- In the default setting, the filter needs replacing every 6 months.
- Since the contamination in the air varies depending on the environment, the filter replacement interval can be adjusted via the menu navigation.

3.2.13 External inputs

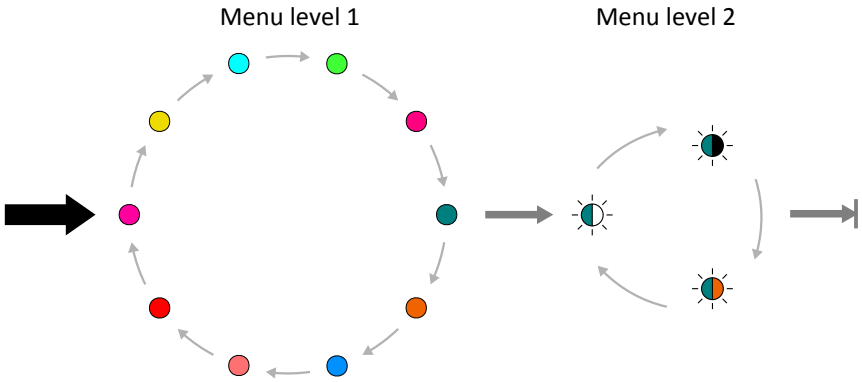
- The external inputs serve to operate the ventilation unit via a switch (such as a series switch or rotary switch).
- External inputs can be used to activate special functions or to integrate the ventilation unit into a building management system.
- Special functions are dependent on the device equipment level.
- Special function – bathroom control:
  - If a separate exhaust air unit is running in the bathroom, the ventilation unit automatically switches to a specified blower level.
  - If the exhaust air unit in the bathroom switches off, the ventilation unit will run after it.
  - This run-on time can be adjusted via the menu navigation.
  - When bathroom control is active, the ventilation unit cannot be operated via Touch Control.
- Special function – night or cross ventilation:
  - Night or cross ventilation requires 2 ventilation units that are configured in such a way that they work in coordination with each other.
- Special function – additional blower level:
  - The ventilation unit can activate an additional blower level using a second external switch or via a building management system.

3.2.14 Digital outputs

- The digital outputs are used to relay information on the status of the unit to a higher-level building management system (e.g. KNX). Examples of information on the status include:
  - Unit switched on or switched off
  - Error exists
  - Filter replacement required
  - Condensate and frost protection control active

3.3 Menu

Menu level principle



Press on button AUTO	Description
8 seconds	Change to menu level 1
3 seconds	Change to menu level 2
3 seconds	Save menu items
1 second	Change inside the menu

Menu level 1	Menu level 2	Explanation
Buzzer volume		
		100 %
		75 %
		50 % (default value)
		25 %
		0 %

Menu level 1	Menu level 2	Explanation
LED brightness		
●		100 %
		75 %
		**50 % (default value)**
		25 %
		5 %
LED illumination time		
●		10 s
		**15 s (default value)**
		20 s
		25 s
		continuous
Bathroom control run-on time (dependent on the device equipment level)		
●		**0 min. (default value)**
		3 min
		10 min
		15 min
		25 min
Limit for automatic operation (dependent on the device equipment level)		
●		Level 1
		Level 2
		Level 3
		**Level 4 (default value for WRG plus device type)**
		**Level 5 (default value for A, Z and WRG device types)**
Filter replacement interval		
●		**6 months (default value)**
		9 months
		12 months
Preheating register (dependent on the device equipment level)		
●		**On (default setting)**
		Off

Menu level 1	Menu level 2	Explanation
Device services		
		Restart the device
		Default setting
		SW version
		Calibrate sensor (dependent on the device equipment level)
		Delete active faults
		Switch buzzer on/off
System services When the ventilation unit is supplied with power, the "system services" menu can be accessed for 30 minutes.		
		Pair devices (dependent on the device equipment level)
		Disconnect devices (dependent on the device equipment level)
		Factory settings
		WIFI on (dependent on the device equipment level)
		WIFI off (dependent on the device equipment level)
WIFI (dependent on the device equipment level) When the ventilation unit is supplied with power, the WIFI menu can be accessed for 30 minutes.		
		Reset WIFI
		WPS mode

3.4 Technical specifications

3.4.1 AEROMAT VT A

Device type		**A1**	**A2**
Ventilator length		750 mm	1500 mm
Ventilator depth		300 mm	300 mm
Sound absorption $D_{n,e,w}$ in ventilation operation (measured according to DIN EN 10140-2)		57 dB	54 dB
Air throughput	**Blower level 1**	10 m³/h	20 m³/h
	Blower level 2	20 m³/h	40 m³/h
	Blower level 3	30 m³/h	60 m³/h
	Blower level 4	45 m³/h	90 m³/h
	Blower level 5	60 m³/h	120 m³/h
Inherent noise L_{pA} (measured according to DIN EN ISO 13141-8, sound pressure level with room insulation of 8 dB)	**Blower level 1**	15 dB (A)	17 dB (A)
	Blower level 2	16 dB (A)	19 dB (A)
	Blower level 3	20 dB (A)	21 dB (A)
	Blower level 4	28 dB (A)	31 dB (A)
	Blower level 5	35 dB (A)	37 dB (A)
Power consumption	**Blower level 1**	2 W	4 W
	Blower level 2	3 W	4 W
	Blower level 3	3 W	6 W
	Blower level 4	5 W	10 W
	Blower level 5	9 W	20 W
Supply voltage		230 V AC	230 V AC
Supply frequency		50 Hz	50 Hz
Operating voltage		24 V DC	24 V DC
Protection class		II	II
Max. permissible area load		1000 kg/m	1000 kg/m
Permissible operating temperature		−15 – +40°C	−15 – +40°C
Length of connecting cable		5 – 20 m	5 – 20 m

3.4.2 AEROMAT VT Z

Device type		**Z1**	**Z2**
Ventilator length		750 mm	1500 mm
Ventilator depth		300 mm	300 mm
Sound absorption $D_{n,e,w}$ in ventilation operation (measured according to DIN EN 10140-2)		57 dB	55 dB
Air throughput	**Blower level 1**	10 m³/h	20 m³/h
	Blower level 2	20 m³/h	40 m³/h
	Blower level 3	30 m³/h	60 m³/h
	Blower level 4	45 m³/h	90 m³/h
	Blower level 5	60 m³/h	120 m³/h
Inherent noise L_{pA} (measured according to DIN EN ISO 13141-8, sound pressure level with room insulation of 8 dB)	**Blower level 1**	16 dB (A)	18 dB (A)
	Blower level 2	17 dB (A)	19 dB (A)
	Blower level 3	22 dB (A)	21 dB (A)
	Blower level 4	28 dB (A)	31 dB (A)
	Blower level 5	35 dB (A)	38 dB (A)
Power consumption	**Blower level 1**	2 W	4 W
	Blower level 2	3 W	5 W
	Blower level 3	4 W	6 W
	Blower level 4	8 W	13 W
	Blower level 5	15 W	24 W
Supply voltage		230 V AC	230 V AC
Supply frequency		50 Hz	50 Hz
Operating voltage		24 V DC	24 V DC
Protection class		II	II
Max. permissible area load		1000 kg/m	1000 kg/m
Permissible operating temperature		−15 – +40°C	−15 – +40°C
Length of connecting cable		5 – 20 m	5 – 20 m

3.5 Spare parts

3.5.1 AEROMAT VT A

Name	Contents	Pc.	Material number
Filter ISO Coarse	Exhaust air filter ISO Coarse 30%	1	L3490100-093010

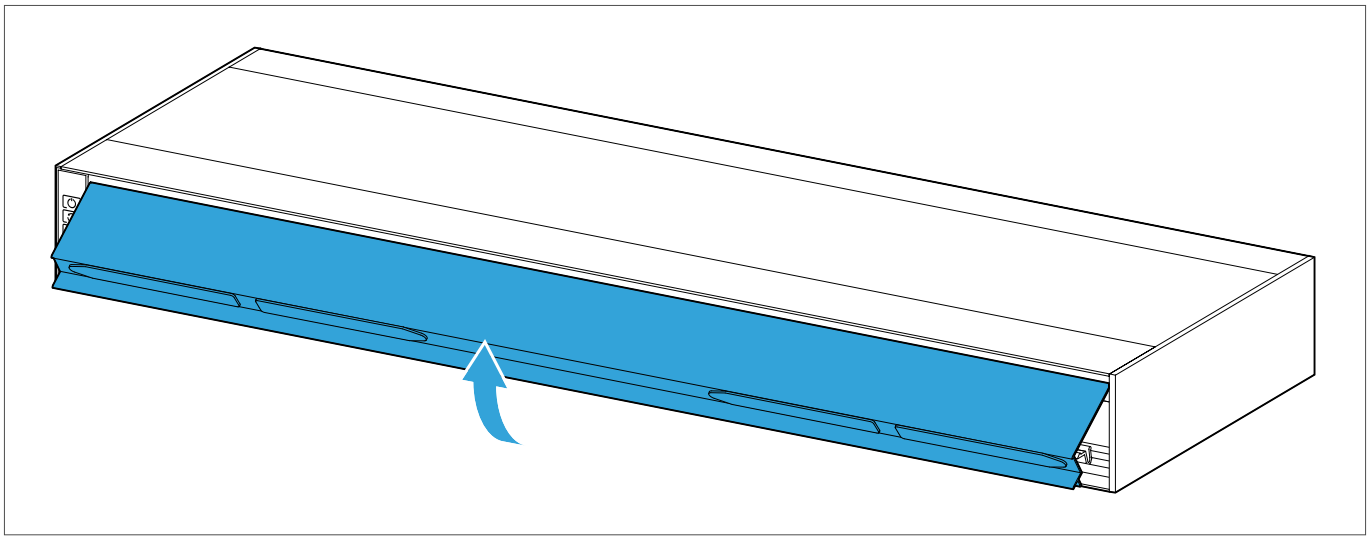
3.5.2 AEROMAT VT Z

Name	Contents	Pc.	Material number
Filter ISO Coarse	Supply air filter ISO Coarse 45%	1	L3490120-093010
Filter ePM1	Supply air filter ISO ePM1 50%	1	vL3490130-093010
Filter NOx	Supply air filter NOx	1	vL3490140-093010

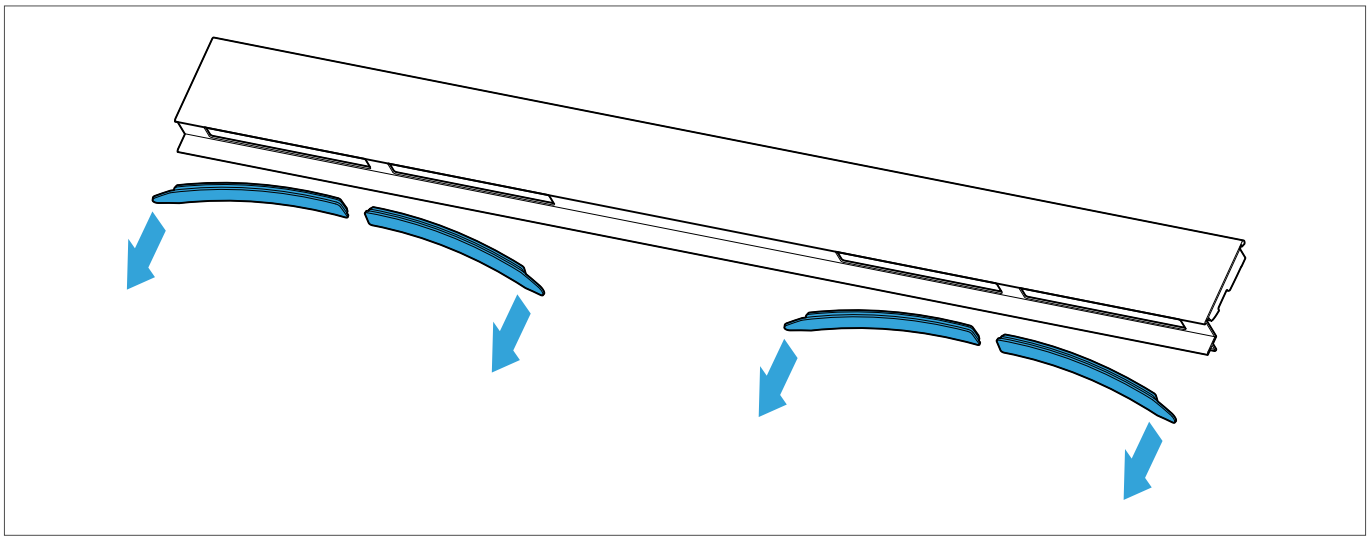
4 Initial setup

4.1 Removing the locking plugs

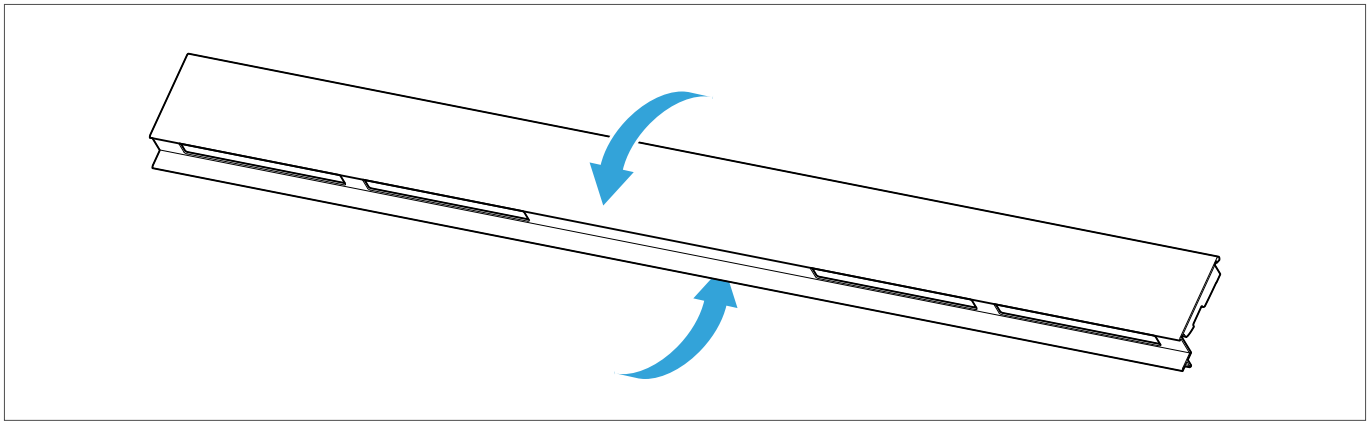
1. Open the inner panel and remove it.



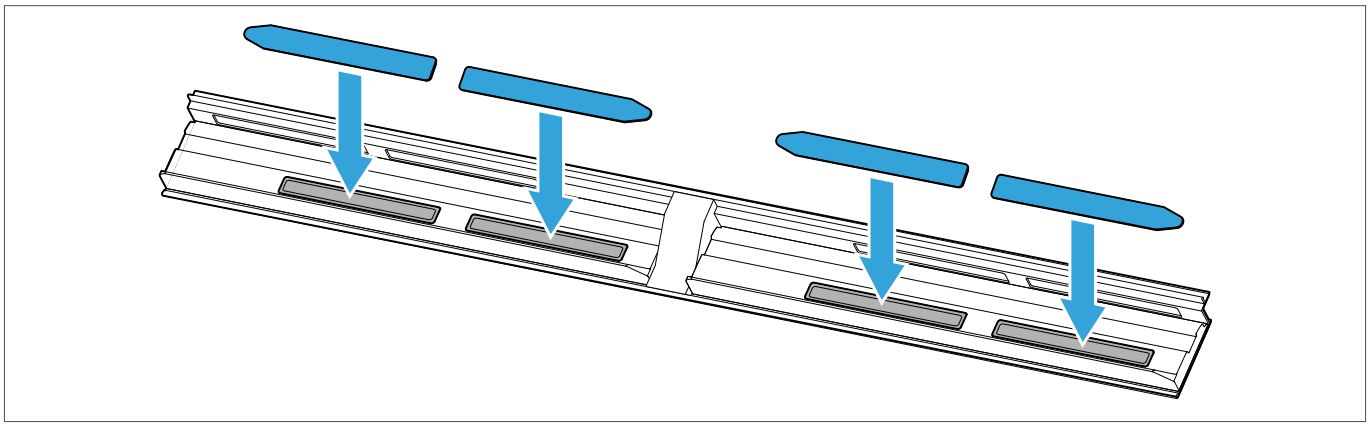
2. Remove the locking plugs.



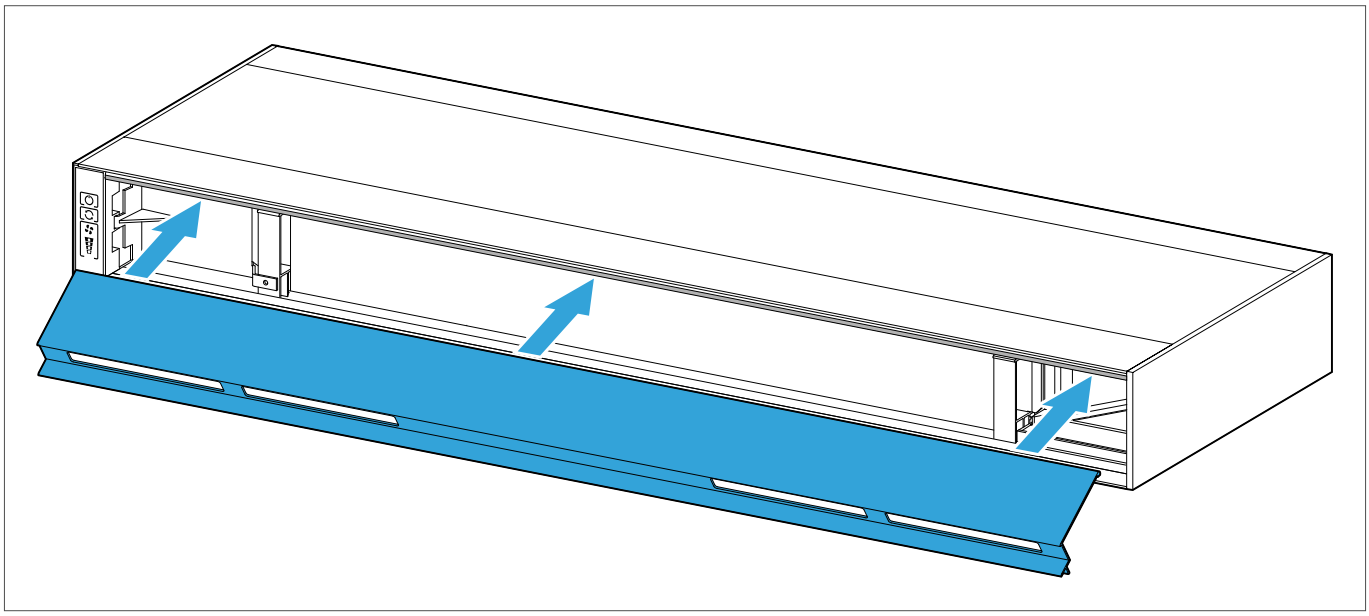
3. Turn the inner panel through 180°.



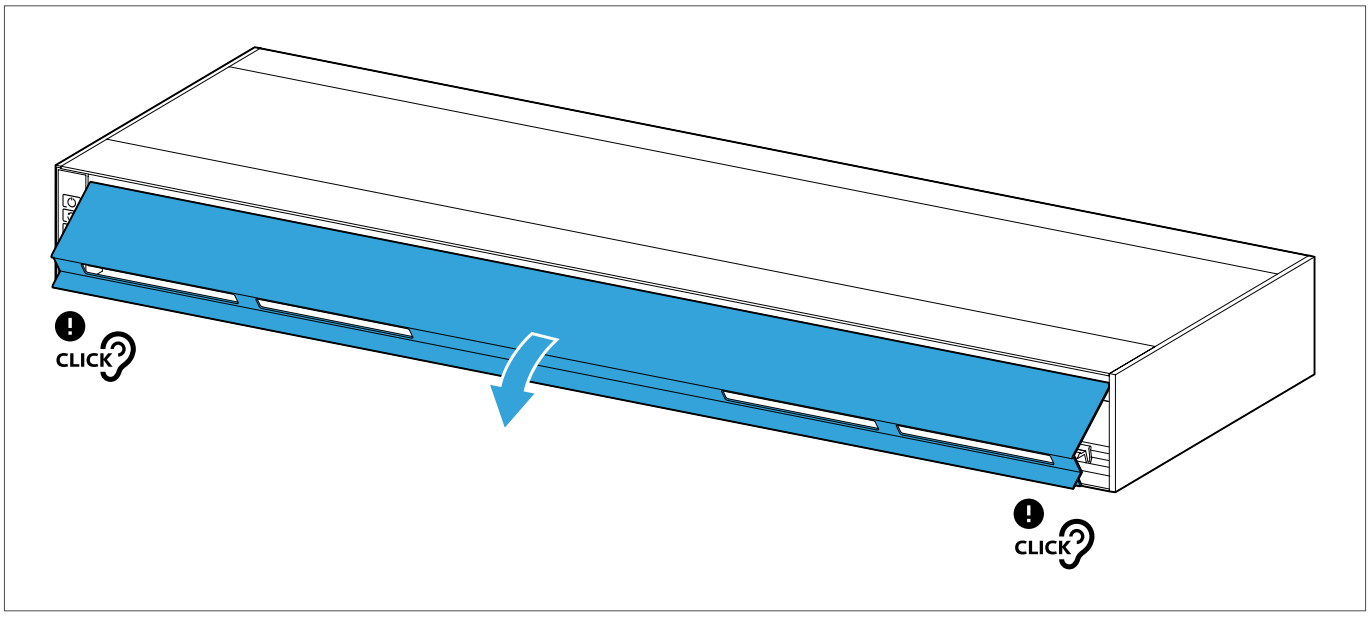
4. Place the locking plugs in the holders for storage.



5. Mount the internal panel.



6. Close the internal panel.



4.2 Integrating the ventilation unit into WIFI

1. Install the SIEGENIA Comfort app.
2. Integrating the ventilation unit into WIFI.

4.3 Calibrating the air quality sensors

- The calibration starts with a five-minute warm-up phase. The bottom LED flashes during the warm-up phase.
- The calibration lasts 24 hours.
- The automatic mode already functions during the calibration.
- In devices with WIFI, the air quality is already displayed in the SIEGENIA Comfort app during calibration.
- The accuracy of the sensor rises with the continuing duration of the calibration.

Prerequisite

- The room temperature is between 5°C and 40°C.

1. Air the room thoroughly for 10 min.
2. Connect the device to the mains electricity grid.

   → After the warm-up phase, the calibration starts automatically.

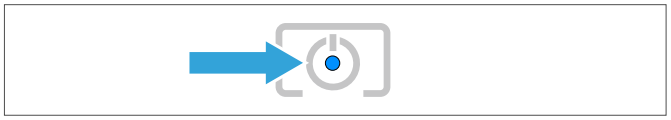
5 Operation

5.1 Operation via Touch Control

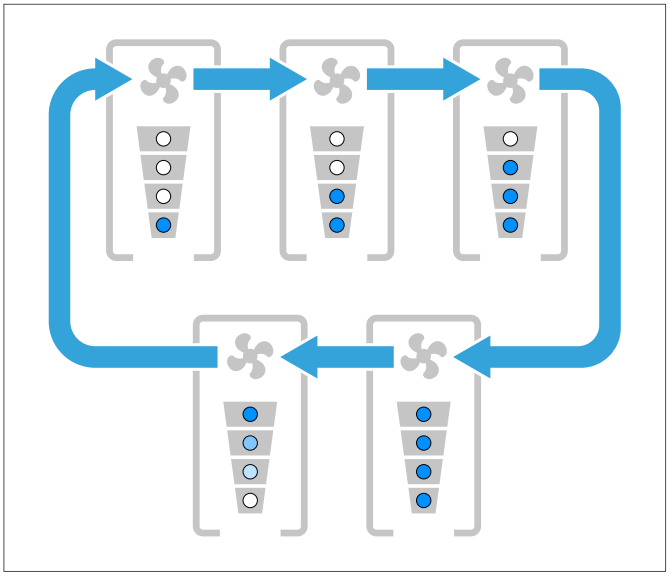
5.1.1 Setting the blower level

At blower level 5, the LEDs light up one after the other.

1. Switch the ventilation unit on using the "ON/OFF" button.

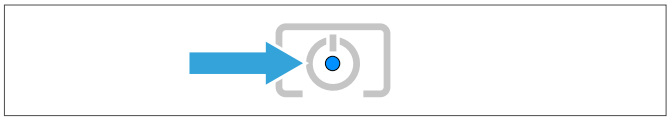


2. Activate the desired blower level by repeatedly pressing the "blower level" button.

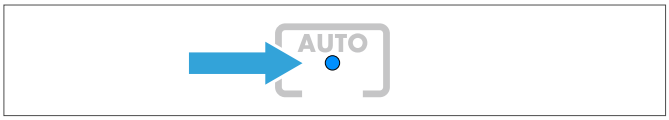


5.1.2 Activation of automatic mode

1. Switch the ventilation unit on using the "ON/OFF" button.

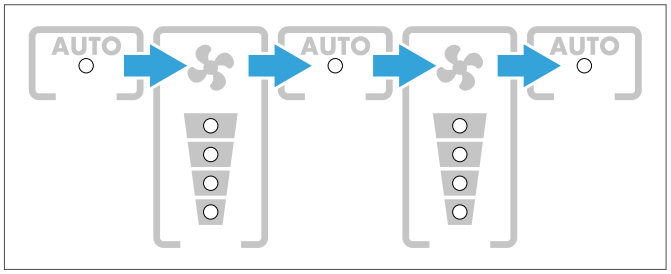


2. Activate automatic mode by pressing the "AUTO" button.



5.1.3 Activating and deactivating the child-proof lock

1. Press the following buttons one after the other.

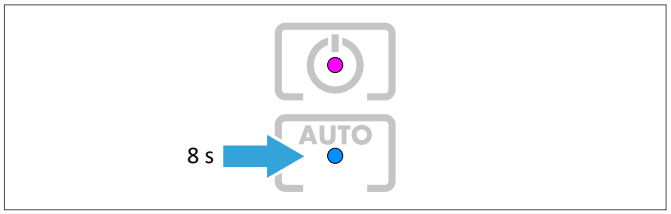


5.2 Adjustment of menu functions

5.2.1 Adjusting the buzzer volume

Menu level 1	Menu level 2	value
●	◐	100 % volume
	◑	75 % volume
	◑	**50 % volume (default setting)**
	◑	25 % volume
	◑	0 % volume

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.

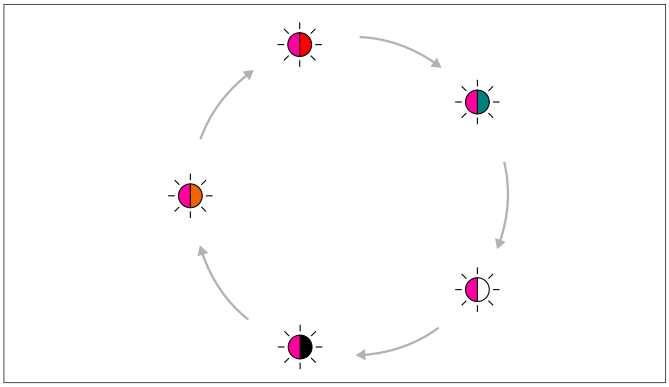


→ The status LED lights up magenta.

2. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

3. To change the setting, press the "AUTO" button according to the scheme.



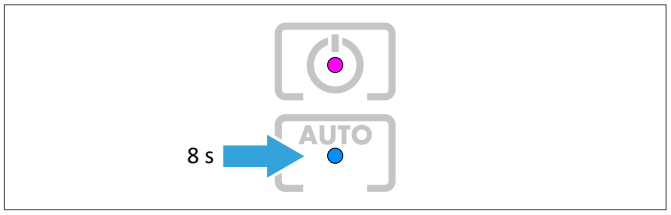
4. To save the selected setting, press and hold the "AUTO" button for 3 seconds.

5.2.2 Adjusting the LED brightness

Error messages are always displayed, irrespective of the brightness level selected.

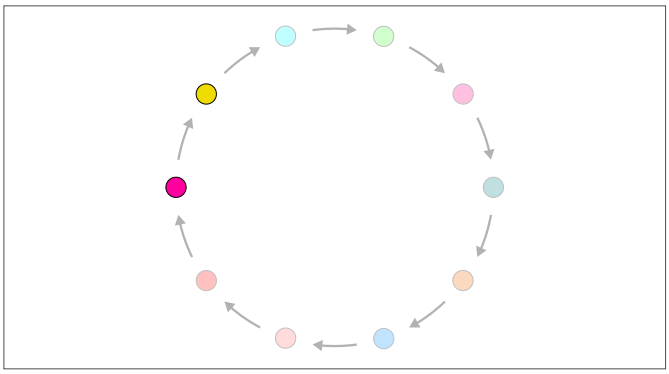
Menu level 1	Menu level 2	Value
		100 %
		75 %
		**50 % (default setting)**
		25 %
		5 %

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

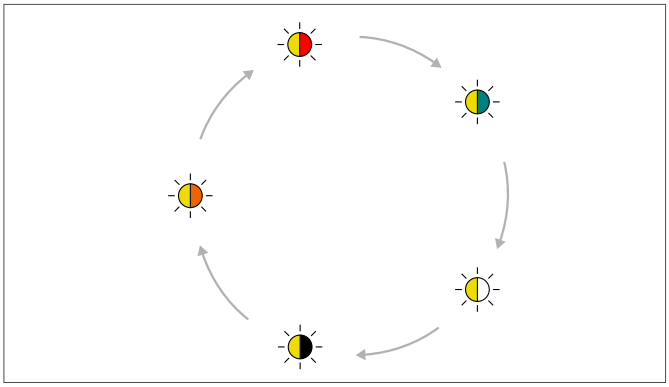
2. Press the "AUTO" button according to the scheme until the status LED lights up yellow.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. To change the setting, press the "AUTO" button according to the scheme.

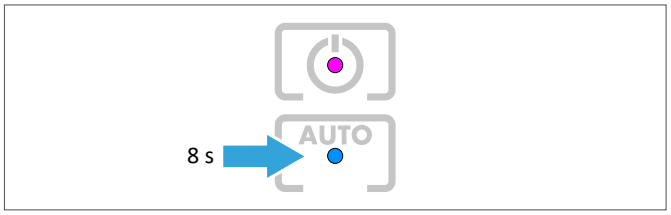


5. To save the selected setting, press and hold the "AUTO" button for 3 seconds.

5.2.3 Adjusting the LED illumination time

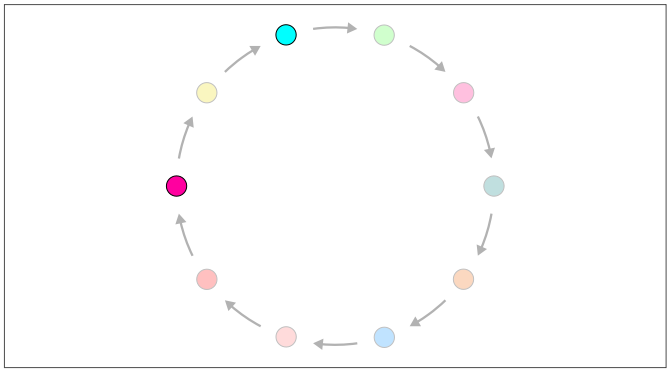
Menu level 1	Menu level 2	Value
		10 s
		**15 s (default setting)**
		20 s
		25 s
		continuous

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

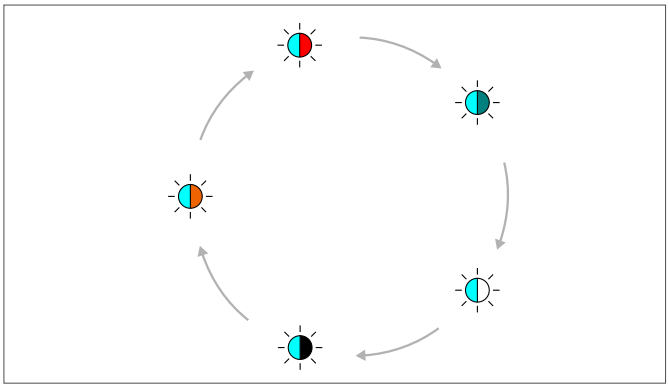
2. Press the "AUTO" button according to the scheme until the status LED lights up cyan.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. To change the setting, press the "AUTO" button according to the scheme.

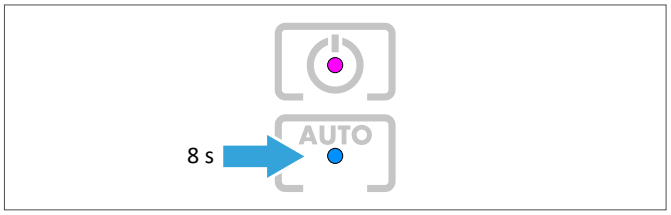


5. To save the selected setting, press and hold the "AUTO" button for 3 seconds.

5.2.4 Adjusting the bathroom control run-on time

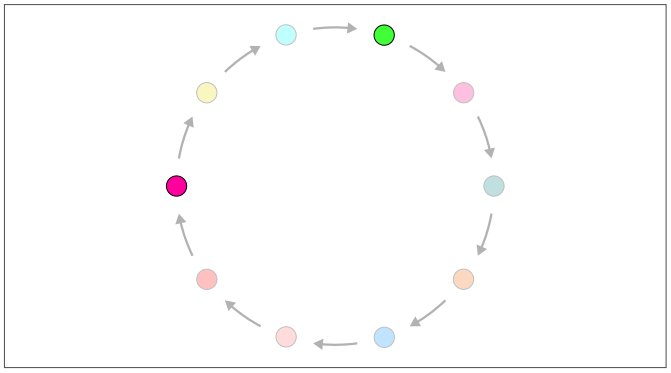
Menu level 1	Menu level 2	Value
		**0 min (default setting)**
		3 min
		10 min
		15 min
		25 min

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

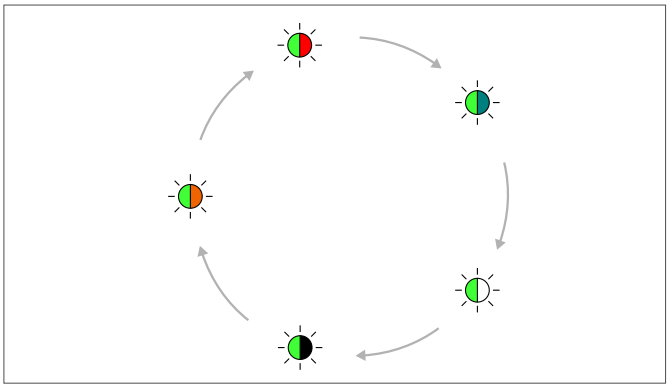
2. Press the "AUTO" button according to the scheme until the status LED lights up light green.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. To change the setting, press the "AUTO" button according to the scheme.

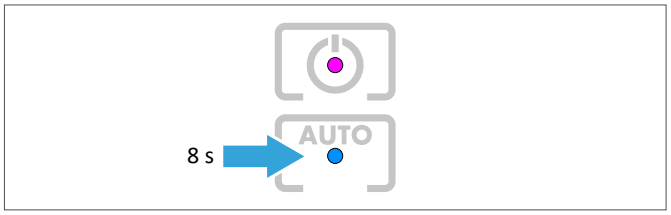


5. To save the selected setting, press and hold the "AUTO" button for 3 seconds.

5.2.5 Adjusting the limit for automatic operation

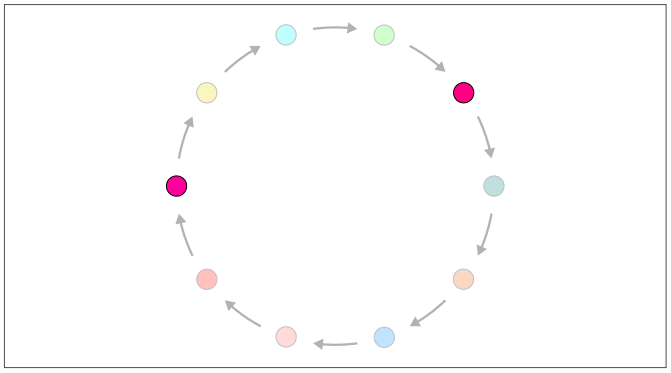
Menu level 1	Menu level 2	Value
		Level 1
		Level 2
		Level 3
		Level 4
		Level 5 (default value)

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

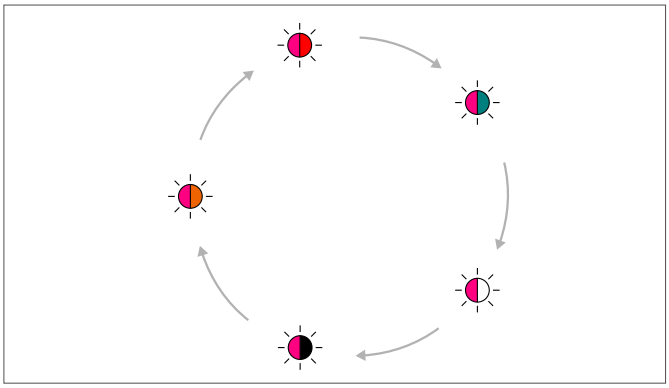
2. Press the "AUTO" button according to the scheme until the status LED lights up hot pink.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. To change the setting, press the "AUTO" button according to the scheme.

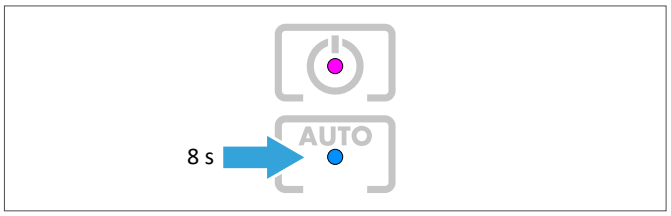


5. To save the selected setting, press and hold the "AUTO" button for 3 seconds.

5.2.6 Adjusting the filter running time

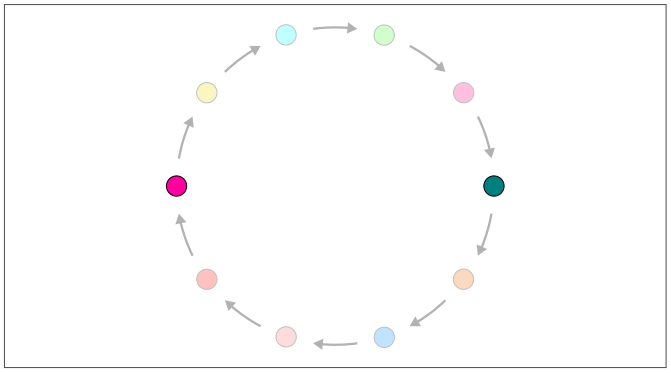
Menu level 1	Menu level 2	Value
●	☀	**6 months (default value)**
	☀	9 months
	☀	12 months

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

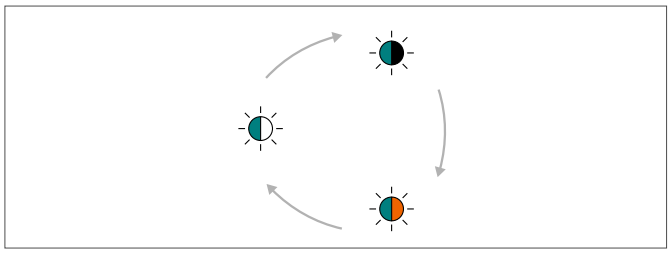
2. Press the "AUTO" button according to the scheme until the status LED lights up turquoise.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

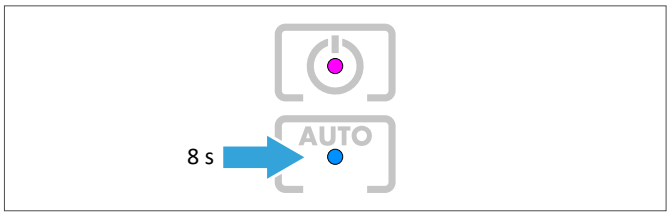
4. To change the setting, press the "AUTO" button according to the scheme.



5. To save the selected setting, press and hold the "AUTO" button for 3 seconds.

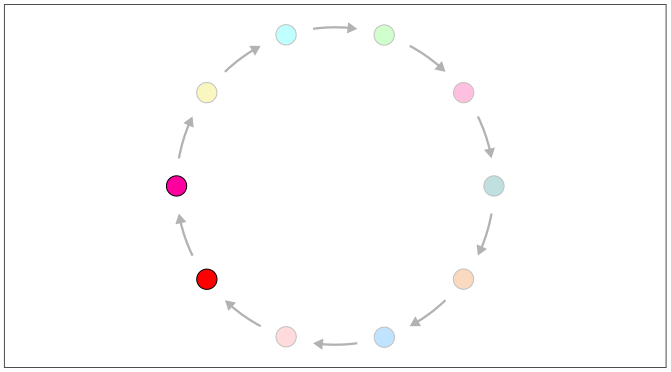
5.2.7 Establishing the WIFI connection

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

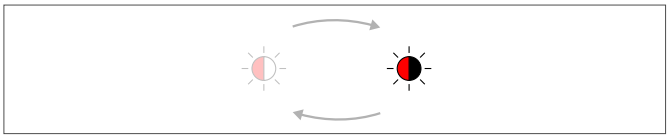
2. Press the "AUTO" button according to the scheme until the status LED lights up red.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. If the status LED flashes red and white: press the "AUTO" button once.



→ The status LED flashes red and black.

5. To save the setting, press and hold the "AUTO" button for 3 seconds.

→ The WPS function is activated and the system searches for WIFI access for 2 minutes.

→ Once the WIFI connection has been established, the ventilation system can be connected to the home network.

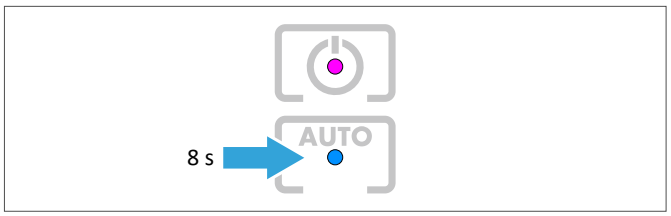
5.2.8 Switching WIFI on and off

WIFI is switched on as standard on delivery.

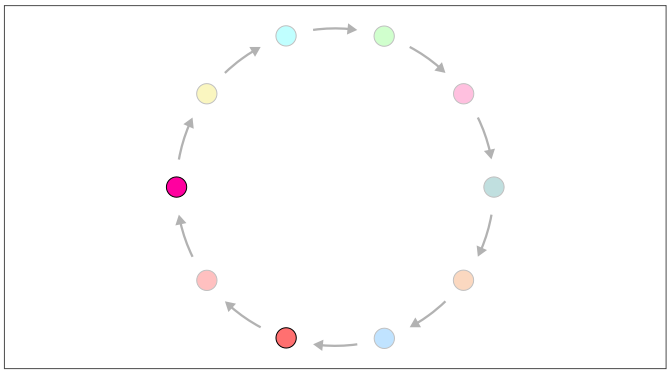
Prerequisite

- The WIFI connection has been established.

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.

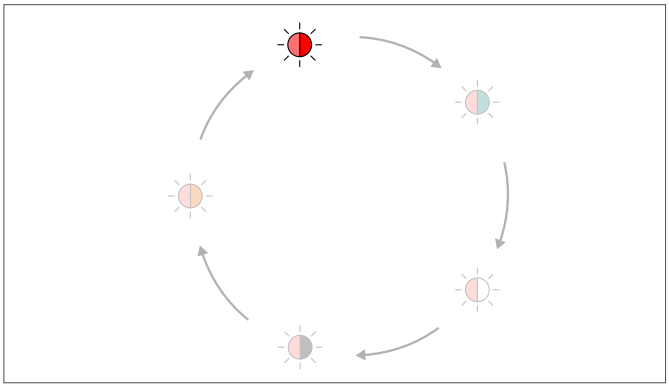


2. Press the "AUTO" button according to the scheme until the status LED lights up pink.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

4. To switch WIFI on, press the "AUTO" button according to the scheme until the status LED flashes pink and red.

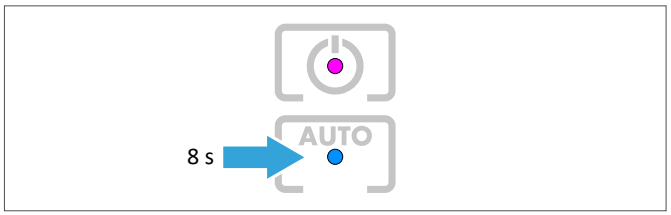


5. To save, press and hold the "AUTO" button for 3 seconds.

6. To switch WIFI off, press the "AUTO" button until the status LED in menu level 2 flashes pink and turquoise.

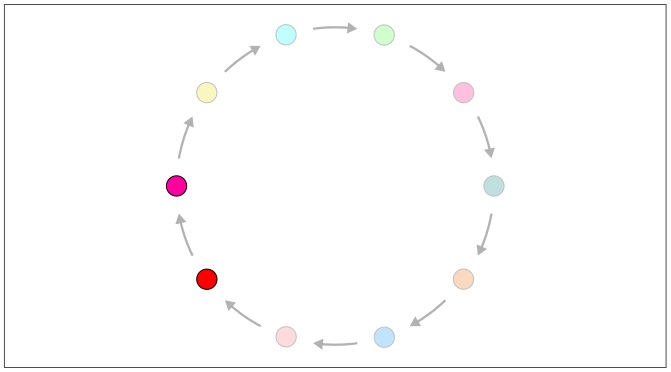
5.2.9 Carrying out WIFI reset

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

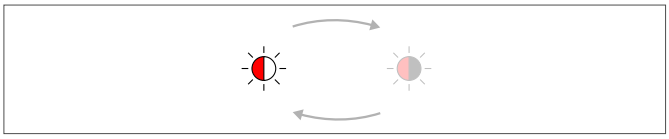
2. Press the "AUTO" button according to the scheme until the status LED lights up red.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. If the status LED flashes red and black: press the "AUTO" button once.



→ The status LED flashes red and white.

5. To save the setting, press and hold the "AUTO" button for 3 seconds.

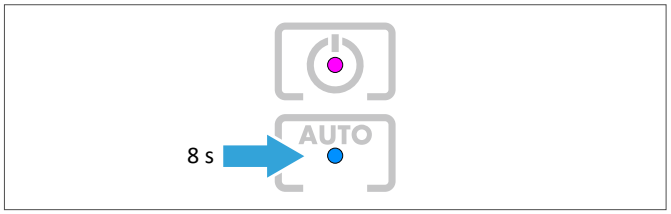
→ All WIFI settings (including password) will be restored to the default settings.

5.2.10 Coupling SI-BUS devices

Prerequisite

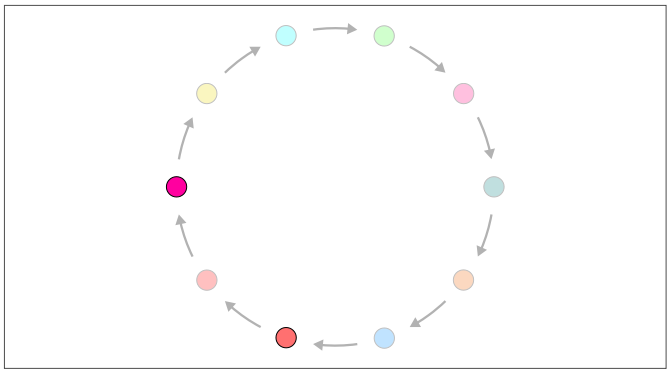
- All devices that are to be coupled are connected to the SI-BUS.

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

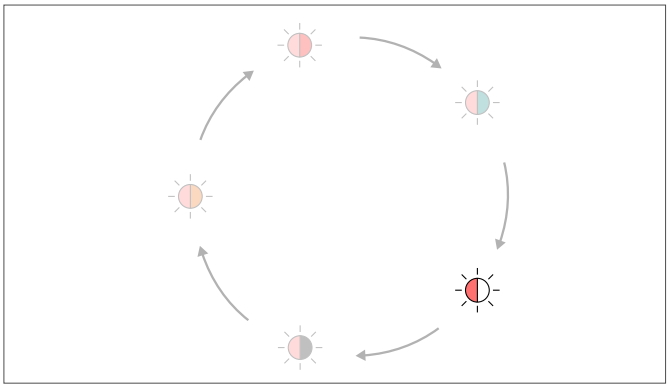
2. Press the "AUTO" button according to the scheme until the status LED lights up pink.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. Press the "AUTO" button according to the scheme until the status LED flashes pink and white.



5. To save, press and hold the "AUTO" button for 3 seconds.

→ All devices that are connected via the SI-BUS are successively integrated into the system.

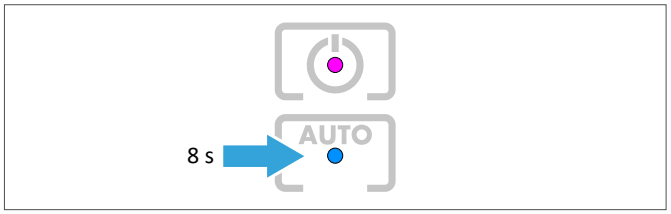
→ Once a device has been connected successfully, it generates a beeping sound.

5.2.11 Decoupling SI-BUS devices

Prerequisite

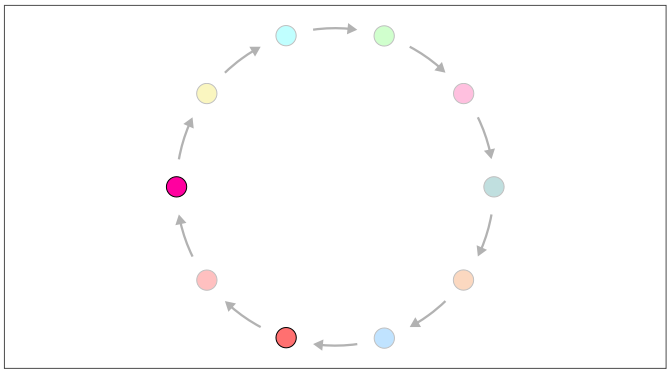
- All devices that are to be decoupled have been disconnected from the SI-BUS.

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

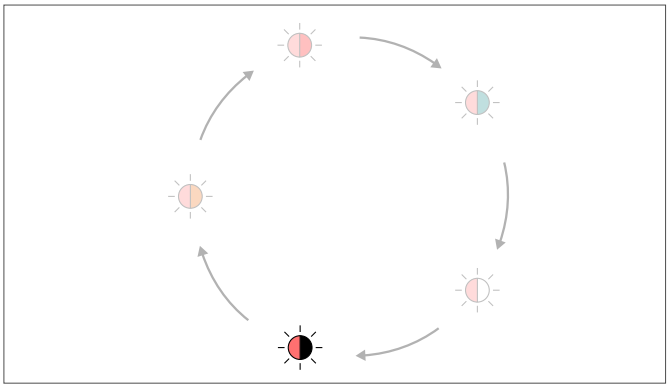
2. Press the "AUTO" button according to the scheme until the status LED lights up pink.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. Press the "AUTO" button according to the scheme until the status LED flashes pink and black.



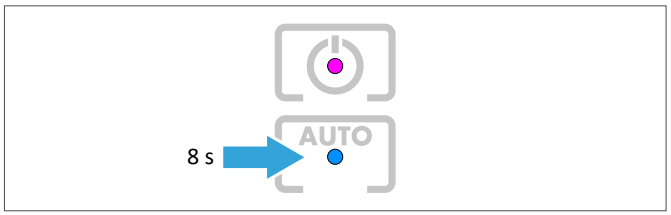
5. To save, press and hold the "AUTO" button for 3 seconds.

→ All devices that have been disconnected from the SI-BUS are decoupled.

→ All devices that are still connected remain coupled.

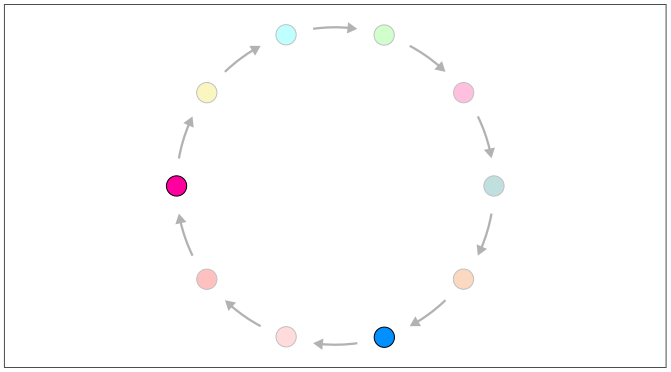
5.2.12 Deleting active faults

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

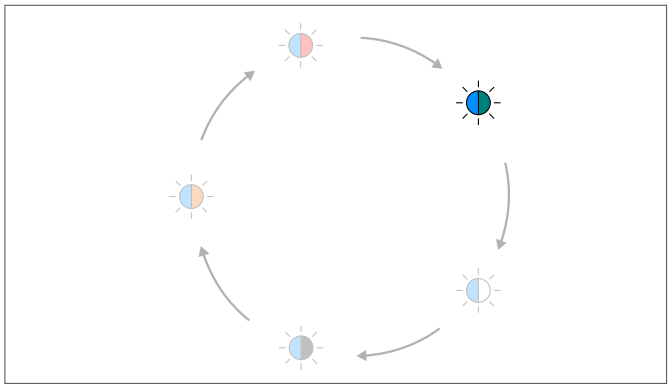
2. Press the "AUTO" button according to the scheme until the status LED lights up light blue.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. Press the "AUTO" button according to the scheme until the status LED flashes light blue and turquoise.

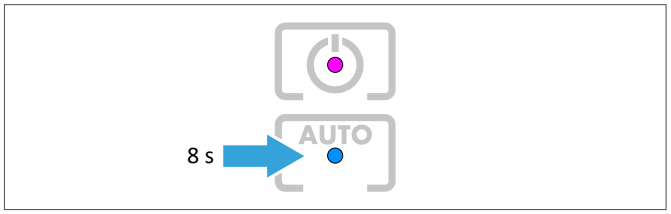


5. To save, press and hold the "AUTO" button for 3 seconds.

→ All active faults are deleted.

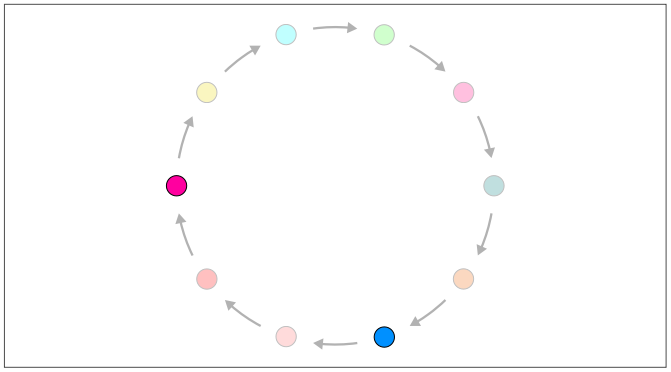
5.2.13 Restoring the device to default settings

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

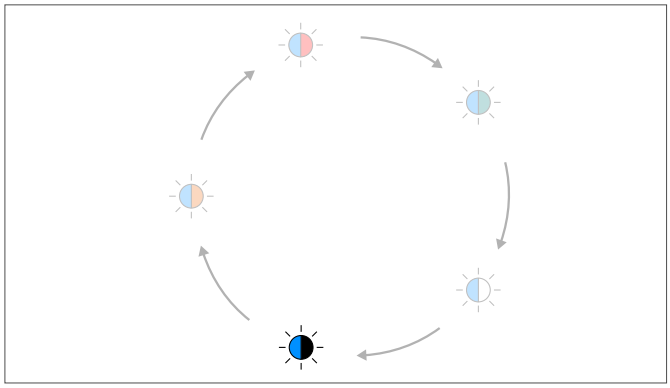
2. Press the "AUTO" button according to the scheme until the status LED lights up light blue.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. Press the "AUTO" button according to the scheme until the status LED flashes light blue and black.

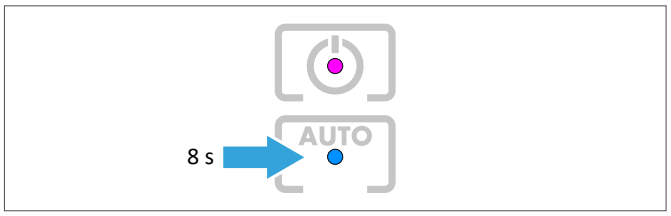


5. To save, press and hold the "AUTO" button for 3 seconds.

→ All adjustable menu items will be restored to the default settings.

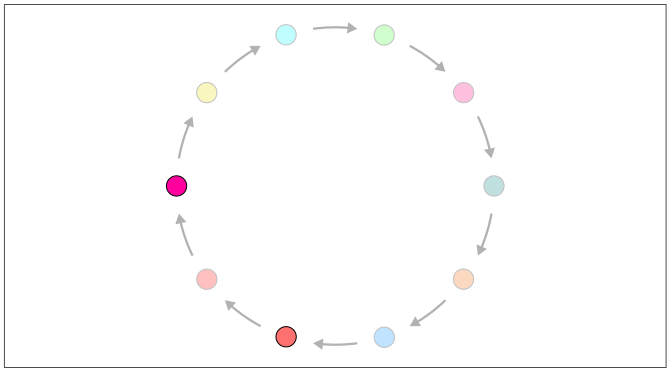
5.2.14 Restoring the device to factory settings

1. Call up menu level 1. To do this, press and hold the "AUTO" button for 8 seconds.



→ The status LED lights up magenta.

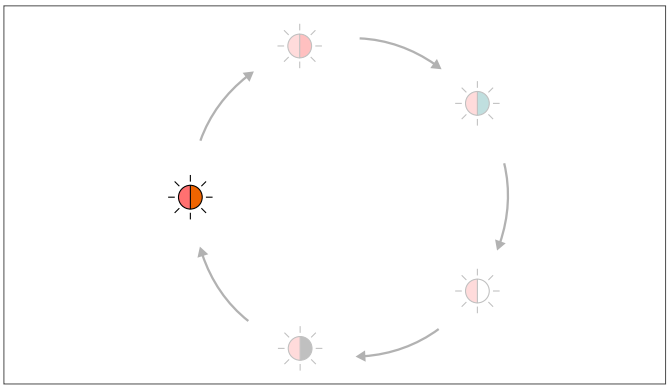
2. Press the "AUTO" button according to the scheme until the status LED lights up pink.



3. To change to menu level 2, press and hold the "AUTO" button for 3 seconds.

→ The status LED flashes the colour of the value that has been set.

4. Press the "AUTO" button according to the scheme until the status LED flashes pink and orange.



5. To save, press and hold the "AUTO" button for 3 seconds.

→ The following adjustments are reset to the factory settings:

- all device couplings
- complete user administration
- all device names
- all system names
- WIFI configuration
- sensor calibration data
- timer

6 Care and maintenance

6.1 Notes on cleaning and maintenance

NOTE

Material damage due to water in the device

Water inside the device can lead to damage of the device.

- Never clean the device with a high-pressure cleaner or steam-jet cleaner.

NOTE

Material damage due to cleaning agents containing solvents

Cleaning agents that contain solvents can damage the surface of the product.

- Do not clean the product using cleaning agents that contain solvents.

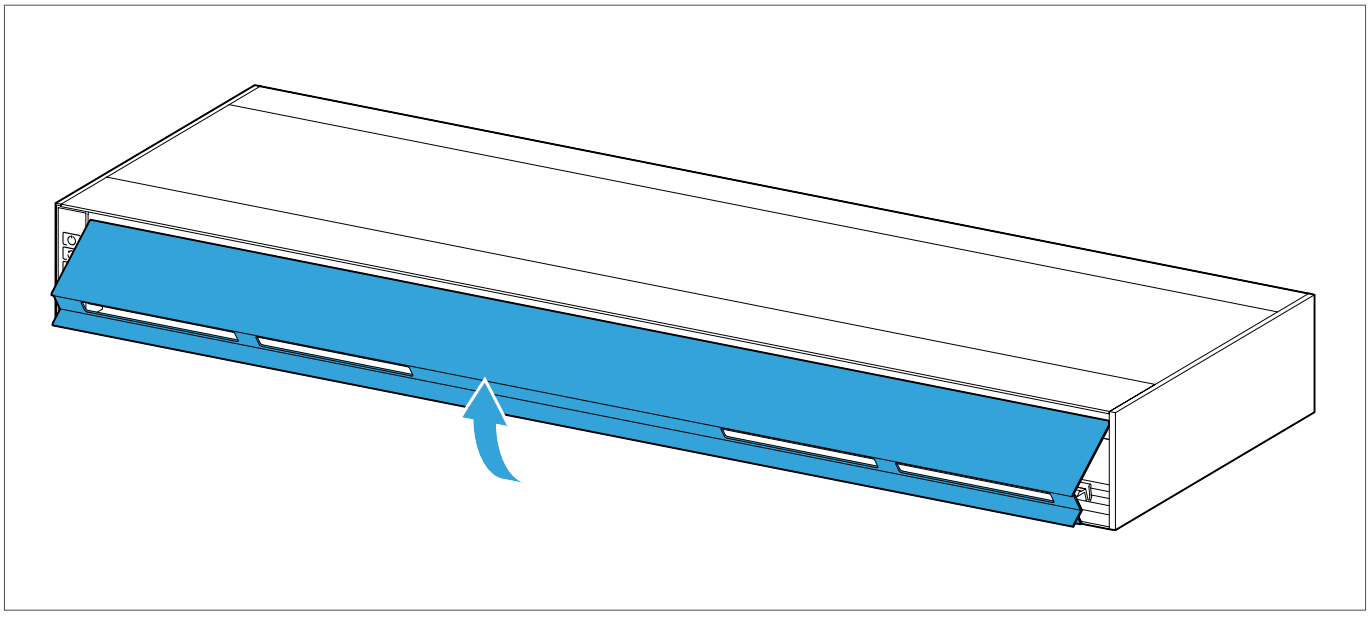
1. Clean the device using a damp cloth and a mild soap solution or washing-up liquid.

6.2 Replacing the air filter

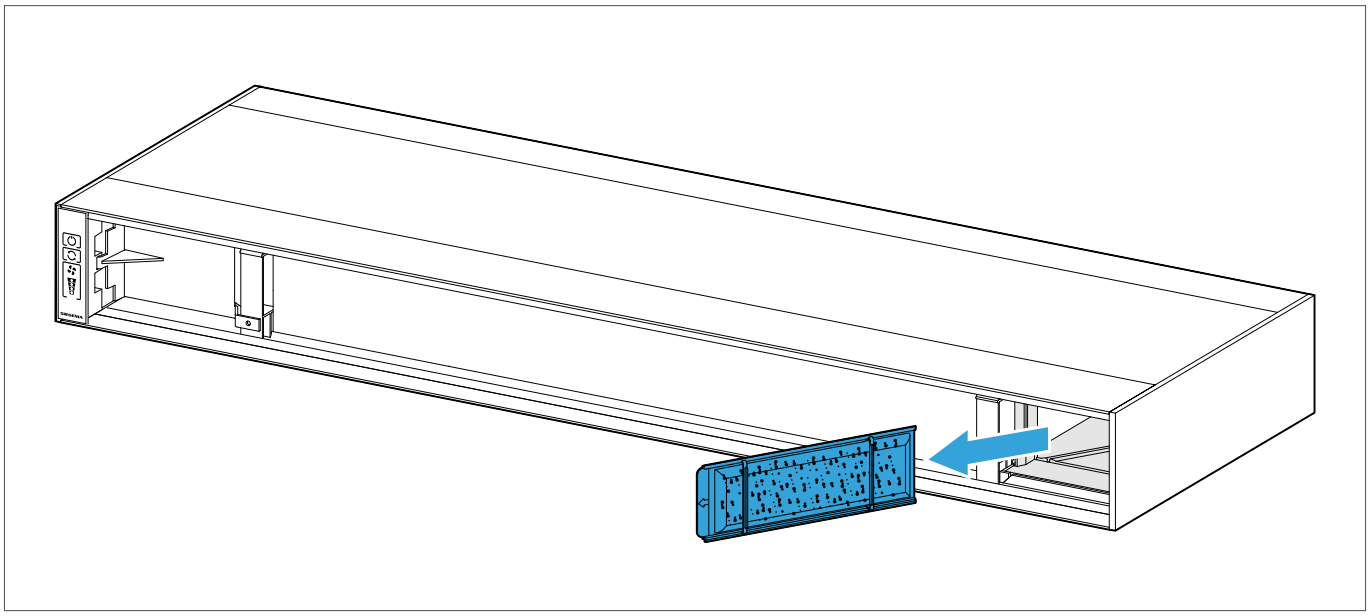
6.2.1 AEROMAT VT A

Replace the air filter every 6 – 12 months (see page 17).

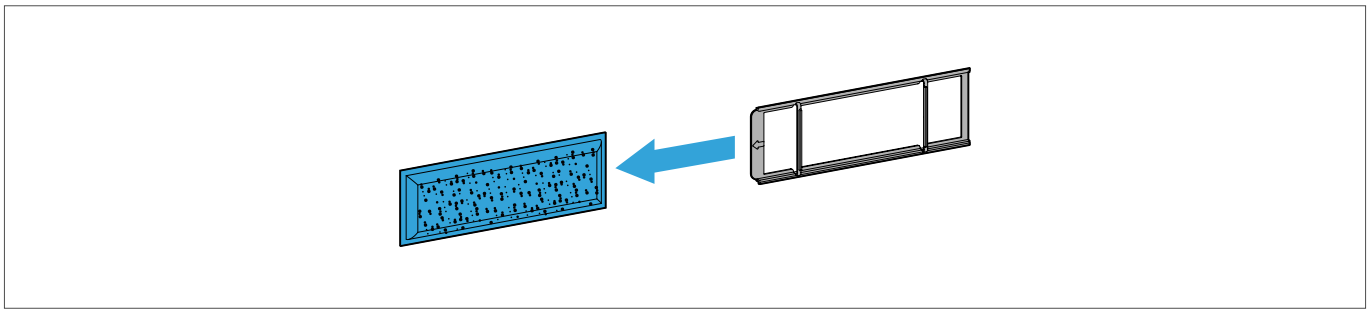
1. Open the inner panel and remove it.



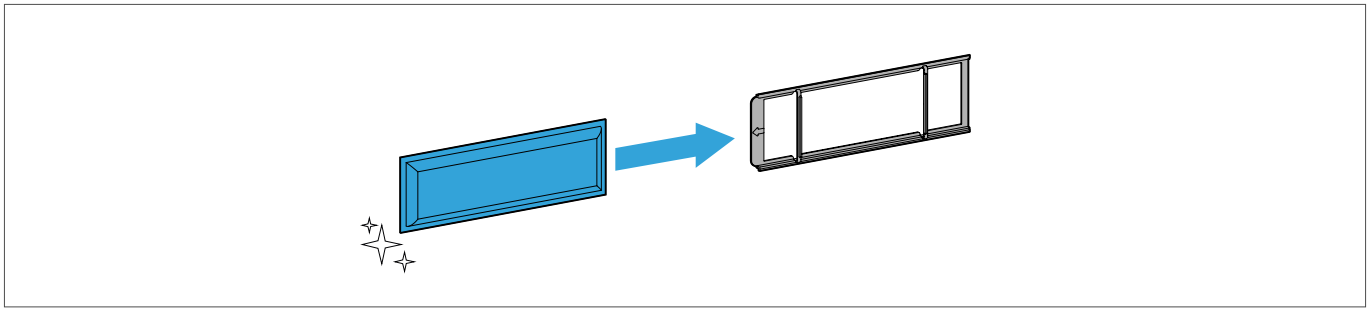
2. Take the filter bracket, including the old exhaust air filter, out of the device.



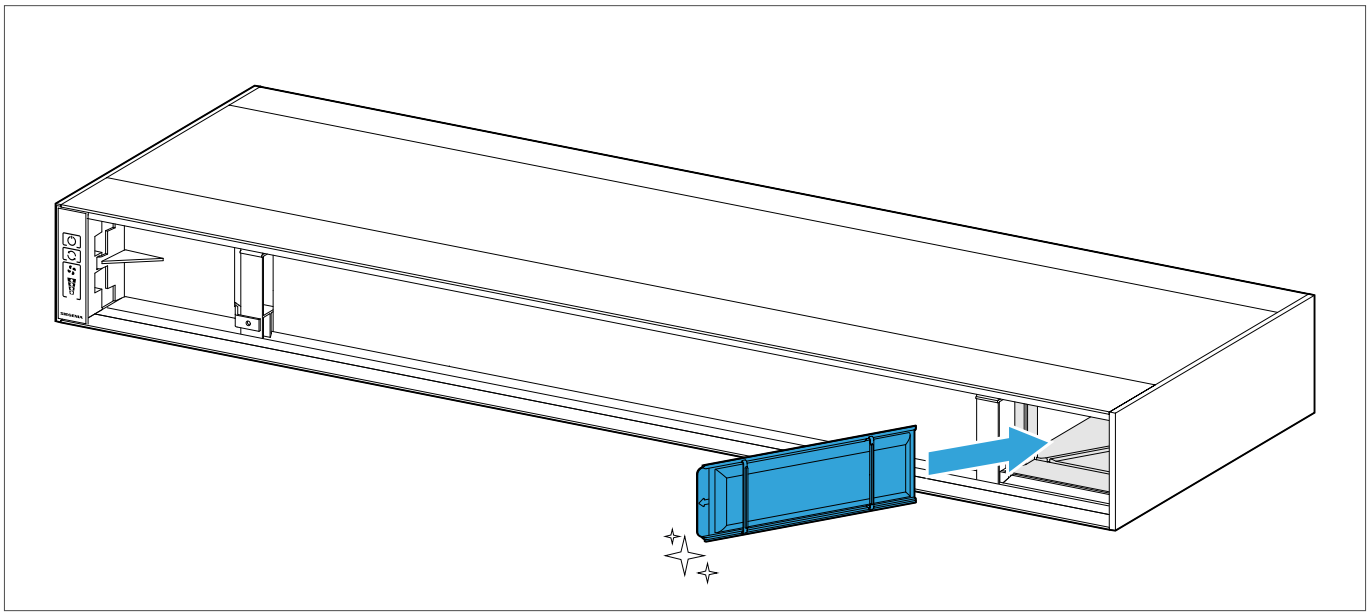
3. Take the old exhaust air filter out of the filter bracket and dispose of it.



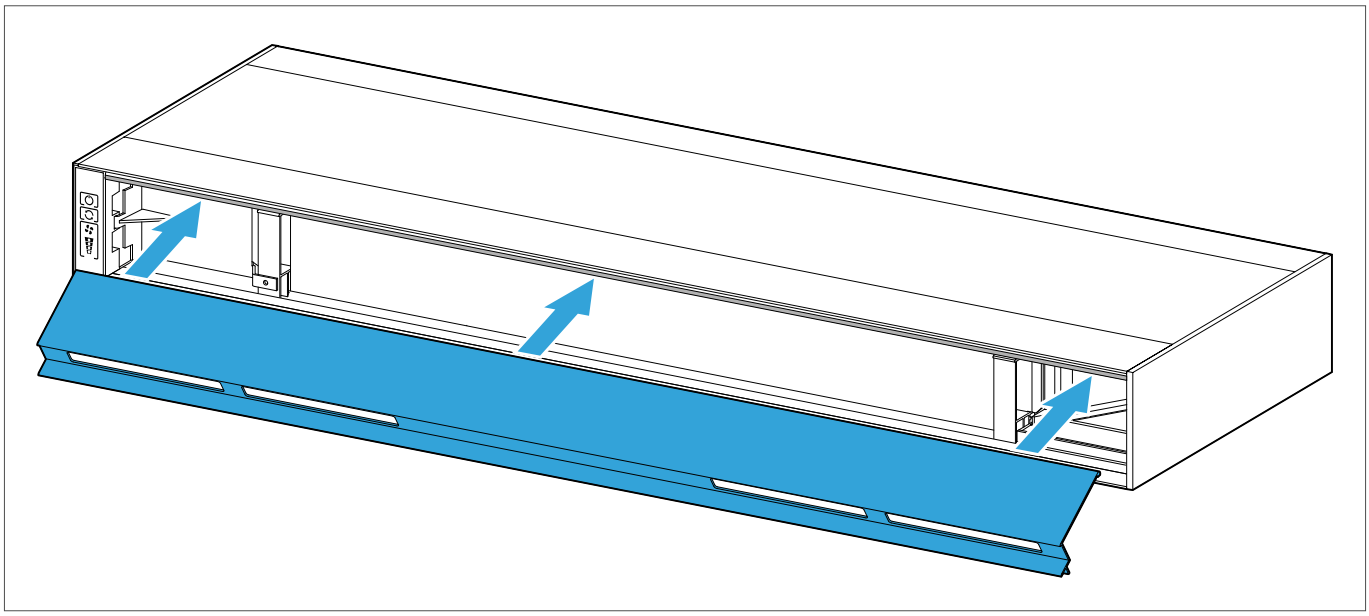
4. Insert the new exhaust air filter into the filter bracket.



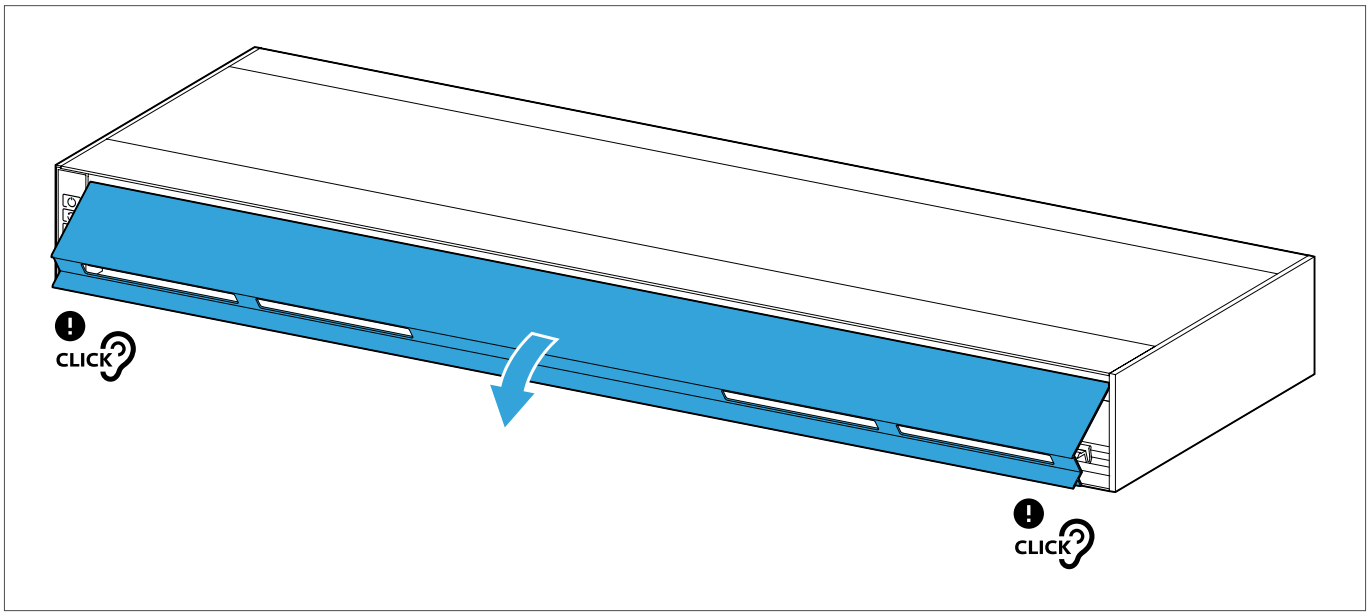
5. Push the filter bracket, including the new exhaust air filter, into the device.



6. Suspend the internal panel.



7. Lock the internal panel.

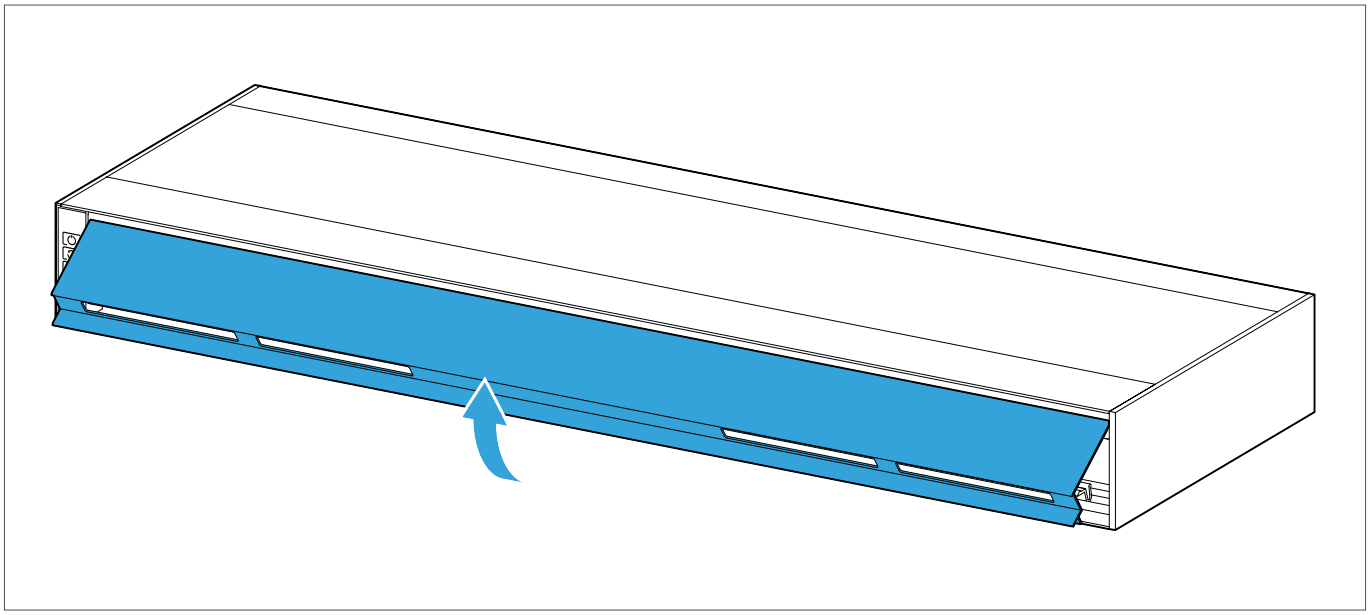


8. Press and hold the "blower level" button for several seconds to reset the filter replacement indicator.

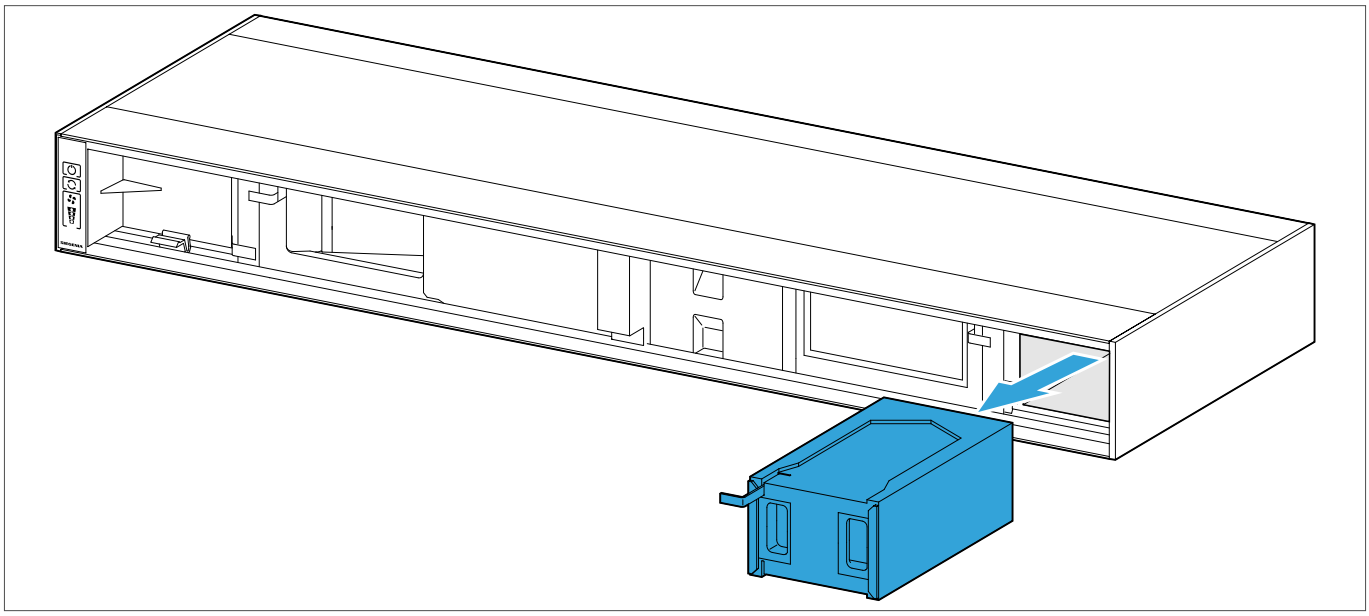
6.2.2 AEROMAT VT Z

Replace the air filter every 6 – 12 months (see page 17).

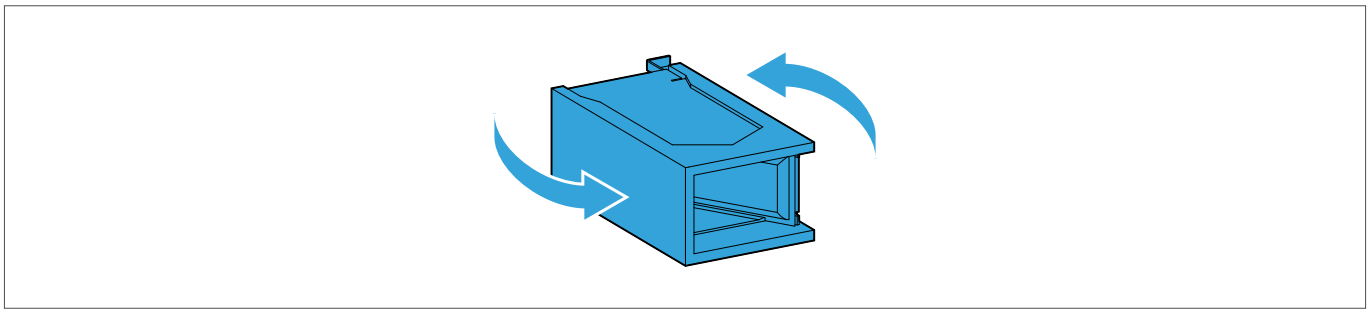
1. Open the inner panel and remove it.



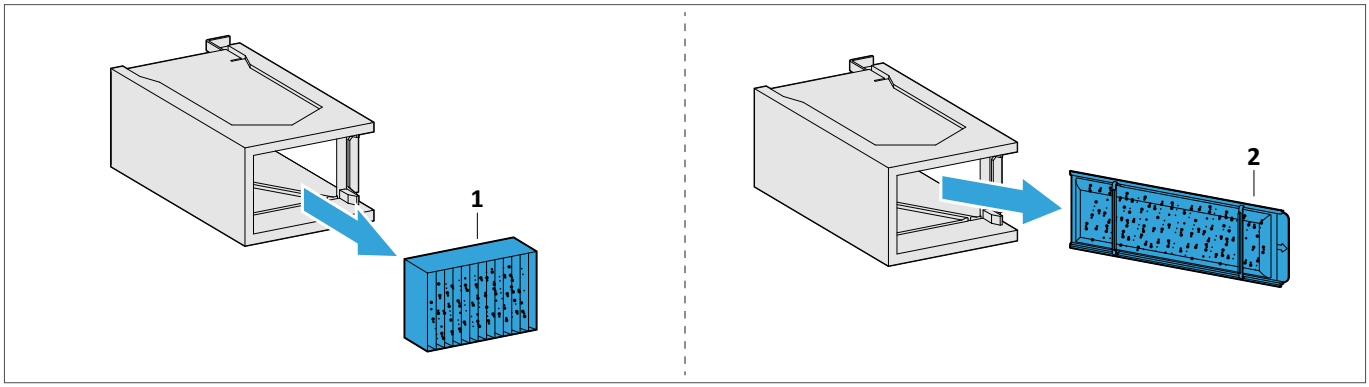
2. Pull the filter module out of the device.



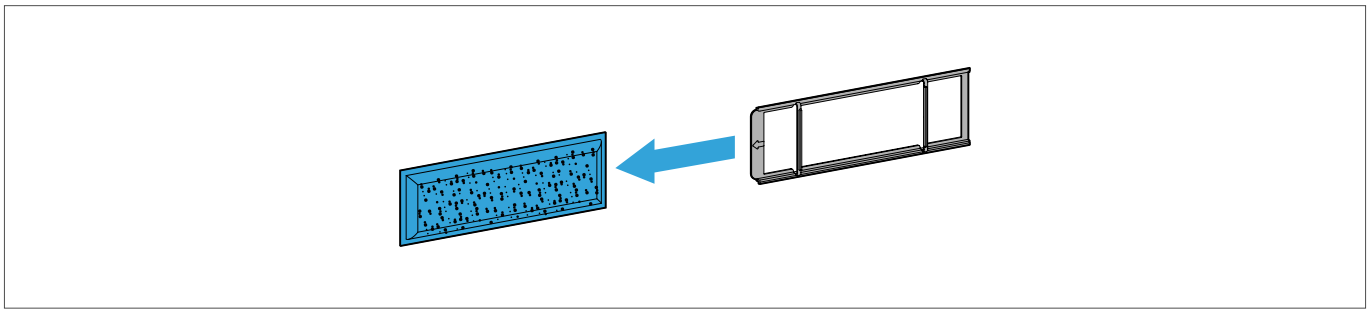
3. Rotate the filter module through 180°.



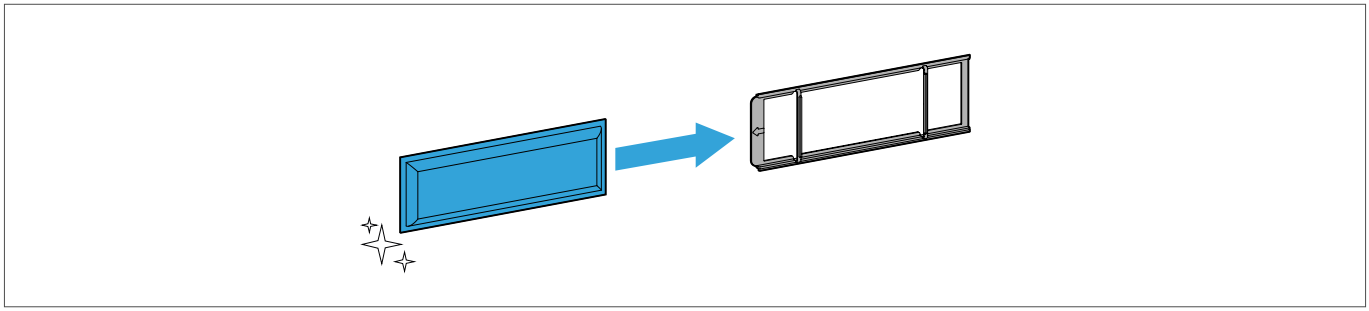
4. Take the old supply air filter (1) out of the filter module and dispose of it. Alternatively, remove the filter bracket, including the old supply air filter (2), from the filter module.



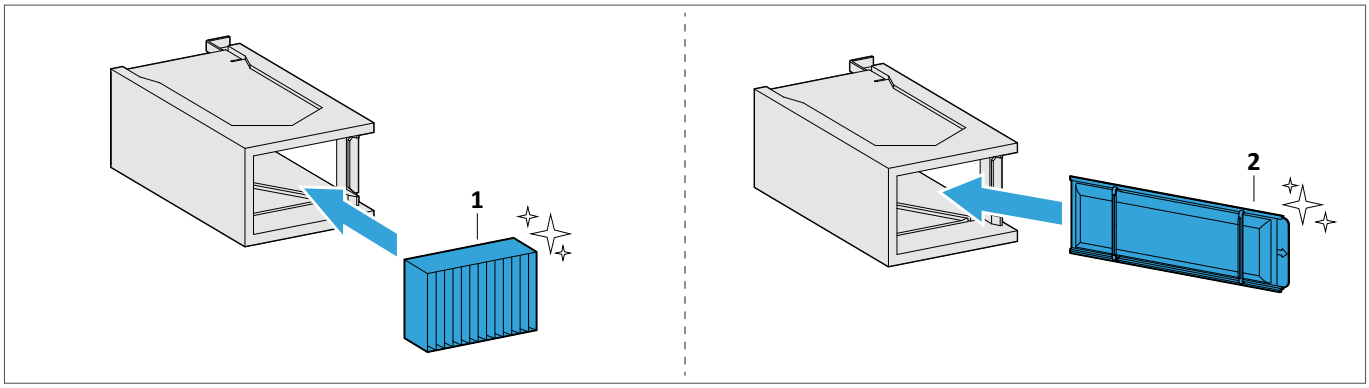
5. Take the old supply air filter out of the filter bracket and dispose of it.



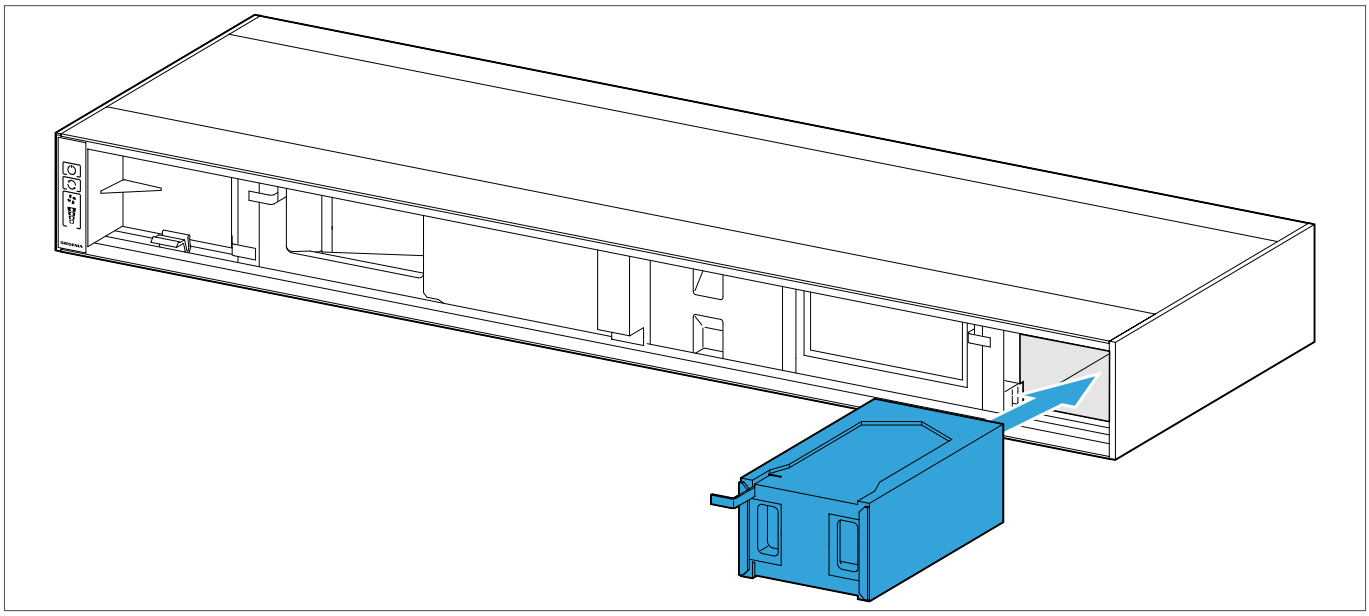
6. Insert the new supply air filter into the filter bracket.



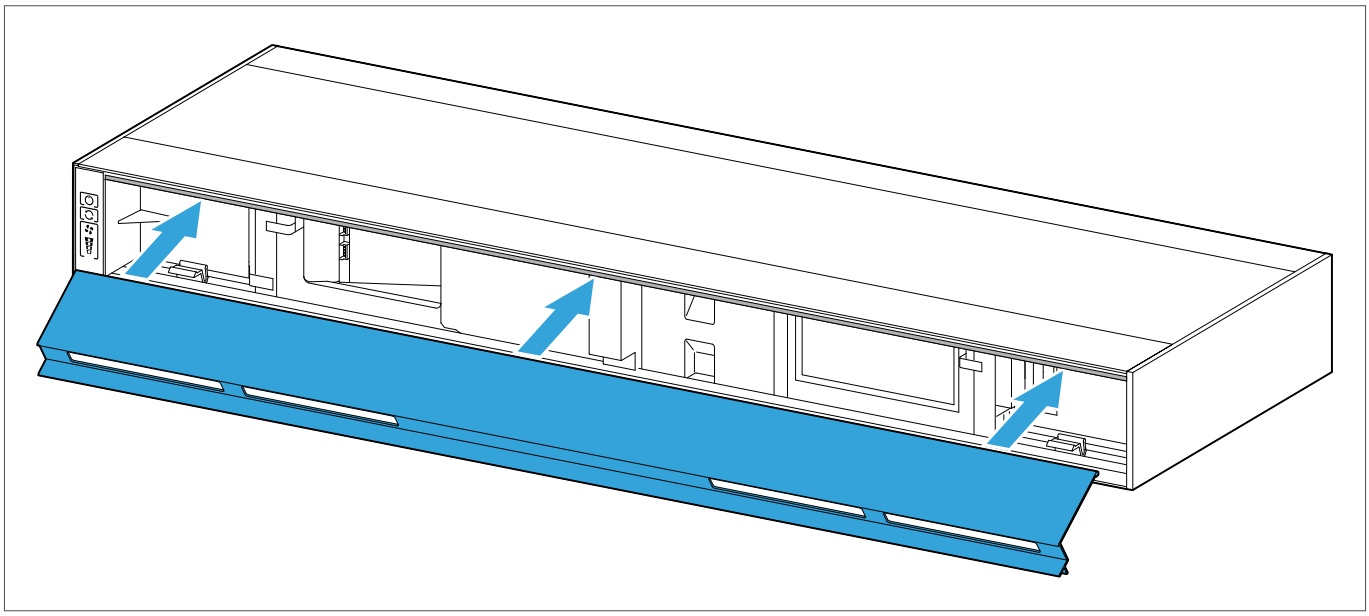
7. Insert the new supply air filter (1) into the filter module. Alternatively, insert the filter bracket, including the new supply air filter (2), into the filter module.



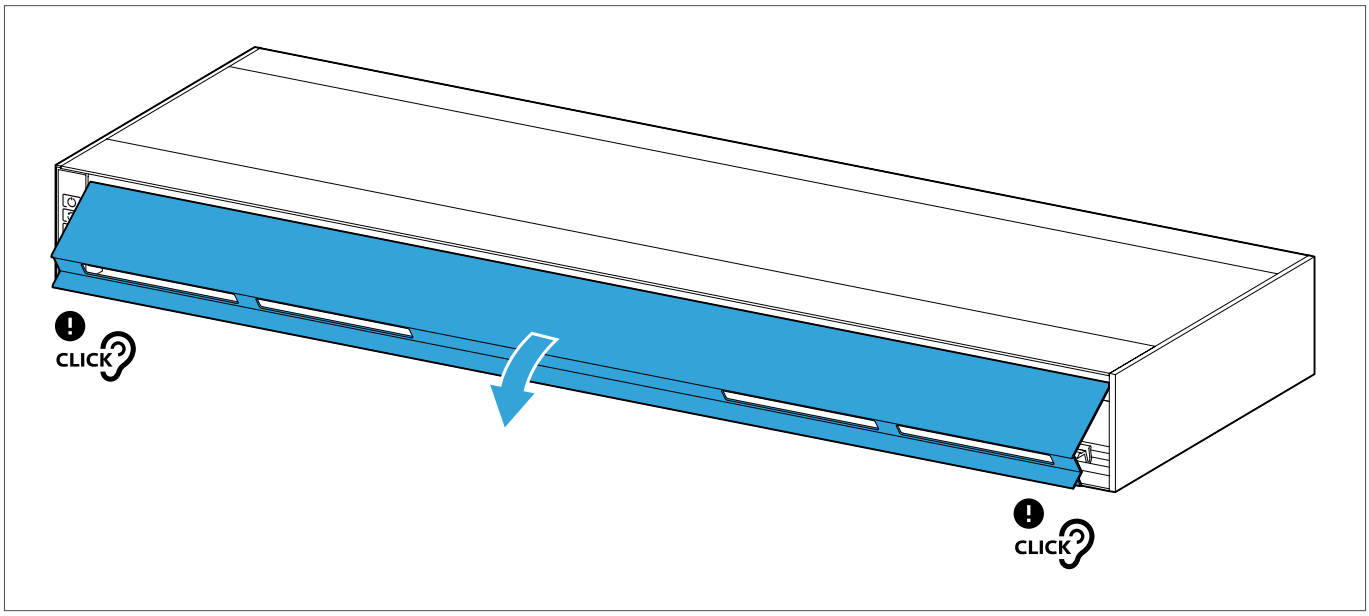
8. Push the filter module into the device.



9. Suspend the internal panel.



10. Lock the internal panel.



11. Press and hold the "blower level" button for several seconds to reset the filter replacement indicator.

7 Troubleshooting

Contact the producer (see page 5) if this table does not describe the error.

7.1 Error messages on the device

Status LED	Buzzer	Possible cause	Solution
		Supply voltage defective	• Check the supply voltage and power supply. • If the error occurs again, contact your service partner.
			
		Internal device error	• Reset errors via the menu navigation (see). • If the error occurs again, contact your service partner.
			
			

7.2 Errors on the device

Problem	Possible cause	Solution
The device does not respond when a button is pressed	No power supply	Check power supply
	Wiring wrong/defective or cable defective	Contact your service partner
	Power supply defective	Contact your service partner
The device does not respond to smartphones or tablets	The device may not be connected to WIFI	-
	no WIFI connection to the router of the home network	restart WIFI router of the home network
	no WIFI connection to the smartphone/tablet	Restart smartphone or tablet
	no WIFI connection to the device	Carry out a factory reset via the menu navigation and set the device up again

8 Certificates

8.1 EU declaration of conformity

We, the producer, hereby declare that our product complies with the following directives.

Producer	**Product**	
SIEGENIA-AUBI KG Industriestraße 1 – 3 57234 Wilnsdorf	Device type:	Type designation:
	decentralised ventilation unit	AEROMAT VT system

Directives		**Harmonised standards**
Machinery Directive	2006/42/EC	EN 12100:2010
EMC Directive	2014/30/EU	EN 55014-1:2017+A11:2020 EN 55014-2:1997+A1:2001+A2:2008 EN 61000-3-2:2014 EN 61000-3-3:2013
Low voltage directive	2014/35/EU	EN 60335-1:2012 EN 62233:2008
RoHS Directive	2011/65/EU	EN IEC 63000:2018
RED Directive	2014/53/EU	EN 301 489-1, V.2.2.3 EN 55032:2015 EN 61000-3-2:2014 EN 61000-3-3:2013

Underlying test reports: EMC Testhaus GmbH & Co KG – Test report 14/560

Wilnsdorf, 2022-12-13 Tim Opfer
(Group development leader)

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H47.FENS207EN-01