



BREEZONIC

EN | Operating instructions



Zusätzliche Produktinformation

Additional product information

SEGMENT OVERVIEW



CONSTRUCTION

AGRICULTURE/
FORESTRY

RV



UTILITY/CARGO



CAR/LCV



AMBULANCE



PUBLIC SAFETY



MARINE

PERSONAL
TRANSPORT

TRUCK/HCV

ELECTRICAL
MINI VEHICLES

CARAVAN

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EN 1 About this product

NOTE

- Before putting into service always read carefully through these operating instructions. The document contains important information necessary for operation.
 - Always note and follow all safety instructions in this documentation!
 - Only use original spare parts.
 - Protect the remote control from adverse effects (impacts, extreme temperatures, moisture, rain, liquids).
- Breezonic products may be used by children from the age of 8 and persons with limited physical, sensory or mental capabilities or a lack of experience or a lack of knowledge, if they are supervised during operation or have been instructed in safe use of the products and understand the potential risks.
- Do not allow children to play with the Breezonic products or with the packaging material or with parts of the packaging material.
 - Children, people in need of assistance or animals must not be left unattended in the vehicle. Even if the air conditioning system is switched on, there is no guarantee that it will work continuously. Mechanical problems or the engine switching off automatically can cause the cooling to stop abruptly. A functioning air conditioning system is therefore not a reliable protection from outer heat.

CAUTION!

DAMAGE DUE TO PREMATURE SWITCHING ON!

If the air-conditioning system is tilted during installation and then returned to the horizontal

position, switching on too early can damage the unit.

→ Always wait at least 120 minutes before starting up after installation or repair work on the air-conditioning system.

1.1 Intended use

- Installation on the roof of recreational vehicles (RV's), caravans, pop-top caravans and camper trailers connected to a 230V/120V AC power supply.
- The Breezonic air conditioner is for use in the living areas of the vehicle.
- The Breezonic air conditioner, taking into consideration its capacity, is intended for installation in street-legal recreation vehicles with CI-bus and RV-bus communication (e. g. motorhomes and camper vans).

NOTE

- The air-conditioning unit Breezonic may only be installed and operated for the range of application stated by the manufacturer in compliance with the documentation included with every air-conditioning system.

Intended use also includes compliance with all information in the documents accompanying the product such as:

- the technical documentation
- the catalogues and brochures
- in addition the relevant national laws and directives
- in addition, the applicable body guidelines of the vehicle manufacturer

1.2 Non-intended use

- The Breezonic air conditioner is NOT intended for use in fixed installations such as domestic situations or on cabins or other structures.
- The Breezonic air-conditioner is not intended for installation in off-highway applications such as boats, construction machines, agricultural or mining machines or similar working equipment being exposed to heavy vibrations, as well as the application in salt mines or in any other chemically aggressive environment.

NOTE

The unit must not be used in any way contrary to the intended use. This non-intended use and any other use of the product extending beyond or differing from its intended use is deemed to be misuse. Failure to comply makes the guarantee null and void and this leads to the exclusion of any liability of Eberspächer Climate Control Systems International GmbH.

DANGER!

DANGER IN CASE OF MISUSE!

Misuse and / or improper configuration, installation, modification, maintenance or repair of the product can result in hazardous situations.

- Never use product arrangements or configurations that are not approved by the manufacturer.
- Never carry out installation, modification, maintenance or repair steps that are not approved by the manufacturer.
- Never use spare or accessory parts that are not original or approved by the manufacturer.
- Ensure the power cord supplying the vehicle is uncoiled before operating the unit to prevent overheating of the cord.

RISK OF UNDERCOOLING!

The Breezonic air conditioner does not replace a temperature-monitored and controlled heating system, which ensures that a constant temperature is maintained and thus ensures survival in adverse weather conditions. It is not suitable for the continuous heating of vehicle interiors at low outdoor temperatures.

→ Only use the air conditioner for the stipulated purpose and in the approved area of use.

RISK OF FIRE OR EXPLOSION!

Flammable refrigerant inside the unit.

- To be repaired only by trained service personnel.
- Follow handling instructions carefully in compliance with national regulations.
- Do not puncture refrigerant tubing.
- Dispose of properly in accordance with federal or local regulations.

RISK OF INJURY AND FIRE DUE TO INADEQUATE ELECTRICAL FUSING!

- Ensure that the Breezonic system is only supplied with power via a fused-protected shore power connection (max. 16 A).

RISK OF INJURY AND FIRE DUE TO INCORRECT CONNECTION!

- Never connect the Breezonic system to the vehicle's on-board power supply or an internal vehicle battery.

RISK DUE TO FAULTY OPERATION!

- Remove the cable supplying the Breezonic system with external power before moving the vehicle.

RISK OF INJURY AND FIRE DUE TO MISSING RESIDUAL CURRENT PROTECTIVE DEVICE!

→ Make sure that the Breezonic system is only operated in a vehicle with installed residual current protective device (RCD).

 CAUTION!**DAMAGE TO ELECTRICAL EQUIPMENT!**

Possibility of condensation dripping down during the operation of the unit.

→ Do not store electrical equipment underneath the ADB where it could be subject to drips from condensation.

 NOTE

- Improper use and use outside the specified purpose cancels all liability and warranty.
- As the unit cools the air, the humidity is also removed. This can result in condensation on the ADB or interior surfaces. Keeping all windows and doors closed will help keep the humidity to a minimum.

1.3 Operation on uneven ground

When the vehicle is parked on uneven ground, the operation of the unit should be limited to a maximum inclination angle of 10°, to avoid causing damage to the air conditioning system.

1.4 Note on environmental protection

WEEE Directive 2012/19/EU

Electric and electronic devices as well as batteries must not be disposed of with household waste.

Consumers are obliged by law to return electrical and electronic devices as well as batteries at the end of their service lives to the public collecting points set up for this purpose or at the point of sale. Details to this are defined by the national law of the respective country. The symbol on the product, the instruction manual or the package indicates that a product is subject to these regulations.

1.5 EU Declaration of Conformity

We herewith declare that the version of the product placed on the market by us conforms to the applicable provisions of the following EC Directives.

- EC Directive 2014/30/EU
- EC Directive 2014/53/EU



The full Declaration of Conformity can be viewed and downloaded from the download centre at www.eberspaecher.com.

1.6 UKCA Declaration of Conformity

We herewith declare that the version of the product placed on the market by us conforms to the applicable provisions of the following UK Directives.

- Electromagnetic Compatibility, Statutory Instrument 2016 No. 1091
- Radio Equipment Regulations, Statutory Instrument 2017 No. 1206



The full Declaration of Conformity can be viewed and downloaded from the download centre at www.eberspaecher.com.

1.7 UL Declaration of Conformity

We herewith declare that the version of the product placed on the market by us conforms to the applicable provisions of the following US/CAN Directives.

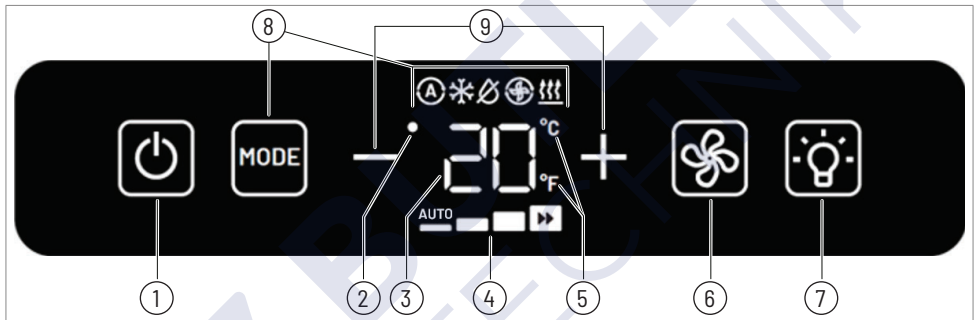
- UL 60335-2-40, UL 60335-1
- UL 62368-1, CAN/CSA C22.2 No. 62368-1



The full Declaration of Conformity can be viewed and downloaded from the download centre at www.eberspaecher.com.

2 Touchscreen control panel instructions

2.1 The Display of the unit



Breezonic touchscreen control panel

1 Power On / Stand-by

2 Bluetooth signal

- flashing = pairing
- solid = connected
- off = not connected

3 Set temperature

4 Fan level (Auto, 1, 2, 3, Turbo)

5 Temperature in °F / °C

6 Fan speed (1, 2, 3, Auto – sequential)

- Longpress: Turbo mode On / Off

7 ADB light (see chapt. 2.3.6, p. 37)

8 Operation modes (sequential), create Bluetooth bonding (Longpress)

- Auto
- Cooling
- De-humidification

- Ventilation

- Heating*)

9 - Decrease [-] / Increase [+] temperature

- Longpress [+] [-]: Change the temp. units

- Longpress [+]: Cancel filter change reminder

- Longpress [-]: Delete all Bluetooth pairings

2.2 Air Distribution Box and display

- The ADB (air distribution box) provides the incoming cool air and the return air from the vehicle interior.
- The ADB contains the receiver for the remote control infrared signal.
- The display**) contains information about the current settings of the unit and allows opera-

* Variant AC only: Icon will not appear.

** In the ADB and in the Return Air Grille (RAG).

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ting the essential functions.

- The brightness of the display will be adjusted automatically based on the ambient light level. After 30 seconds without operation, the display will turn off for optimum comfort of the vehicle occupants. Pressing a key will restore the display brightness.
- Advanced functions – see below – can be operated using the remote control.

2.3 Basic operating functions

2.3.1 Switching on / Standby

- Press the [Power] button momentarily to turn the unit to [On] or to [Standby].
- If not muted (remote control, pos. 9), each command will beep.
- When the unit is turned on for the first time or after a voltage interruption it starts with the default settings "Auto Mode" and 23°C. It will then start heating* or cooling, depending on

* Variant AC only: Heating mode is not available.

the ambient temperature inside the cabin.

- When the unit is turned on from [Standby], the last mode and temperature is the operational default.
- When the unit is in [Standby] mode it is not operating but can respond to commands. The [On] and [Light] buttons are illuminated.
- When turning the unit [On] or [Standby], a delay of 1–2 minutes is expected as the system initialises/shuts down.

2.3.2 Operation modes

- The [Mode] button cycles through the operation modes of the unit (Auto, Cooling, De-humidification, Air ventilation, Heating*).
- The corresponding icon shows in the top row of the touchscreen and of the remote control display.

NOTE

Due to technical reasons a slight delay can be expected when changing from one mode to another.

Operation Mode Description		Fan setting	Temp. setting	Turbo mode	Eco mode*	Night mode*
Automatic	• Cooling or heating*) mode will be chosen automatically by the unit, according to the target temperature. • Default setting when the unit is turned on for the first time. • Default temperature setting is 23 °C.	Auto: 1 – Low, 2 – Med, 3 – High	manually: 16 °C to 31 °C 61 °F to 88 °F	–	–	–
Cooling	• Will operate on cooling mode according to the target temperature.	Auto or manually: 1, 2, 3	manually: 16 °C to 31 °C 61 °F to 88 °F	✓	✓	✓
De-humidification	• Will reduce the humidity of the air while maintaining the temperature.	1 – Low	manually: 16 °C to 31 °C 61 °F to 88 °F	–	–	–

Operation Mode	Description	Fan setting	Temp. setting	Turbo mode	Eco mode*	Night mode*
Ventilation	Will operate the fan to circulate air without changing temperature or humidity.	Auto or manually: 1, 2, 3	-	-	-	-
Heating**	Will operate on heating mode** according to the target temperature	Auto or manually: 1, 2, 3	manually: 16 °C to 31 °C 61 °F to 88 °F	✓	✓	✓

* Eco and Night modes are not available while using the Turbo mode.

** Variant AC only: Heating mode is not available.

2.3.3 Setting the temperature

- Press the [+] button to increase the set temperature by 1 °C / 1 °F.
- Press the [-] button to decrease the set temperature by 1 °C / 1 °F

NOTE

The adjustable temperature range of the unit is between 16 °C / 61 °F and 31 °C / 88 °F.

2.3.4 Changing the temperature units

- Press and hold the [+] and [-] buttons on the touchscreen for 3 seconds at the same time. The units for temperature will change from Celsius to Fahrenheit and vice versa.

2.3.5 Fan operation

- Press the [Fan] button to increase the fan speed by 1, up to a maximum of 3.

NOTE

- When speed 3 has been reached, pressing the [Fan] button again will adjust the fan speed to Auto Fan Mode.
- The fan speed cannot be adjusted in all modes, see the possible fan speed settings in chapt. 2.3.2, p. 36.

2.3.6 ADB light

- The [Light] button cycles through the interior light levels of the unit.
 - First press turns on the light in 100% white.
 - Second press switches to dimmed light.
 - Third press turns off the light.
 - Longpress (> 2 sec.) of the [Light] button changes the light colour from cold white to warm white and vice versa.

2.3.7 Mute

Longpress of the buttons  and [+] at the touchscreen will turn off the beep confirmation noise of the unit.

3 Remote control

NOTE

- The remote control is an optional accessory that can improve convenience but is not required for essential control of the air conditioner.
- More information about the remote control you can find in the Breezonc Additional Product Information – download under www.eberspaecher.com/downloadcenter.

4 Bluetooth and Breezonic App control

4.1 Advanced control

The Breezonic App provides advanced control of the Breezonic unit, including:

- Synchronization and control of multiple Breezonic units
- Easy setting of modes and temperatures
- Setting of timers
- Operation of ADB light (brightness, light colour)

The Breezonic App is run by using the Bluetooth connection of a smartphone.

- > Please scan the appropriate QR Code shown below to start the download process.



Google Play Store



iOS App Store

- > Information on the latest updates, improvements and fixed problems can be found in the App Store as well.

5 EasyStart Touch

5.1 Optional wall-mounted control unit

The EasyStart Touch is an easy-to-use wall-mounted control unit. It is an optional accessory with the same properties as the Breezonic App. It provides the convenient control of the Breezonic unit, including:

- Synchronization and control of multiple Breezonic units
- Easy setting of modes and temperatures
- Setting of timers
- Operation of ADB light (brightness, light colour)

6 Maintenance and Cleaning

6.1 Maintenance measures

The unit should be inspected annually as part of the regular vehicle servicing by a professional to ensure normal operation is maintained and life of the air conditioning is prolonged.

6.2 Cleaning the unit

The rooftop unit can be cleaned in a similar way to the vehicle. Use only mild detergents suitable for washing of passenger vehicles.



DANGER!

RISK OF FALLING!

Ensure only trained professionals with required safety equipment are working on the roof of the vehicle.



CAUTION!

DAMAGE OF THE UNIT!

- The rooftop unit can be damaged by excess water entry.
 - Cleaning the air conditioning unit Breezonic with high pressure steam water jets and/or the application of detergents may lead to the damage of the unit or its components (e. g. the seals).
- Do not clean the air conditioner with high pressure steam water jets or high pressure cleaners. Avoid spraying water directly into the unit vents on the side or rear of the unit.

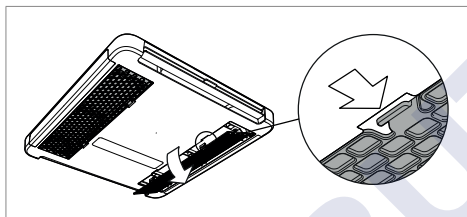
- > The ADB can be cleaned by wiping with a damp cloth.

NOTE

Do not use abrasive cleaners or any type of solvent, diesel, petrol, alcohol, chemical cleaners on either the rooftop unit or the ADB.

6.3 Cleaning and replacing the ADB filter

- > The Air Distribution Box (ADB) is fitted with a filter attached to each of the air return grilles.
- > Remove the air return grilles by pressing the 2 tabs inwards while rotating the grille downwards.



- > Remove the filters from the grilles by pressing the tabs as shown above.
- > Clean the filters under running water to remove dust.
- > After drying, refit the filters and the air return grilles to the ADB.

NOTE

- If the filters become excessively clogged, the heating and cooling performance of the air conditioner will be reduced.
- The filters should be checked and cleaned monthly or more frequently in dusty environments.
- A reminder to change the filters will be shown on the ADB display "FF", after 1000 hours of operation. The change reminder is cancelled by pressing and holding the Temperature [+] button (> 5 seconds).
- Have maintenance work carried out only by

an authorised Eberspächer workshop.

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6.4 Keeping condensation drains clear

- > The rooftop unit should be inspected annually to ensure debris are not present around the unit that may reduce airflow and to ensure drainage from the unit maintained.

7 Service

7.1 Technical Support

If you have any technical questions or problems with the device, the control unit or the operating software, please select the following link:

<https://www.eberspaecher-climate.com/service-point>

8 Environment

8.1 Disposal of materials and re-use of recoverable materials

End-of-life devices and their components, defective components and packaging material can all be separated into their constituent materials so that all parts can be disposed of as in an environmentally friendly manner or recycled where applicable.

Environmentally-friendly disposal includes the possible separation of materials so that recoverable materials can be reused. Ensure that end-of-life devices and their components are disposed of properly and are recycled.

Dispose of the product only according to the relevant legal regulations. Electric motors, control boxes and sensors (e.g. temperature sensors) are deemed to be "electronic scrap". The refrigerant is subject to special disposal conditions.

 NOTE

Contact your local recycling company or your specialist dealer to find out how waste products are to be disposed of properly.

8.2 Product packaging

The packaging of the product can be kept in case it has to be sent back.





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