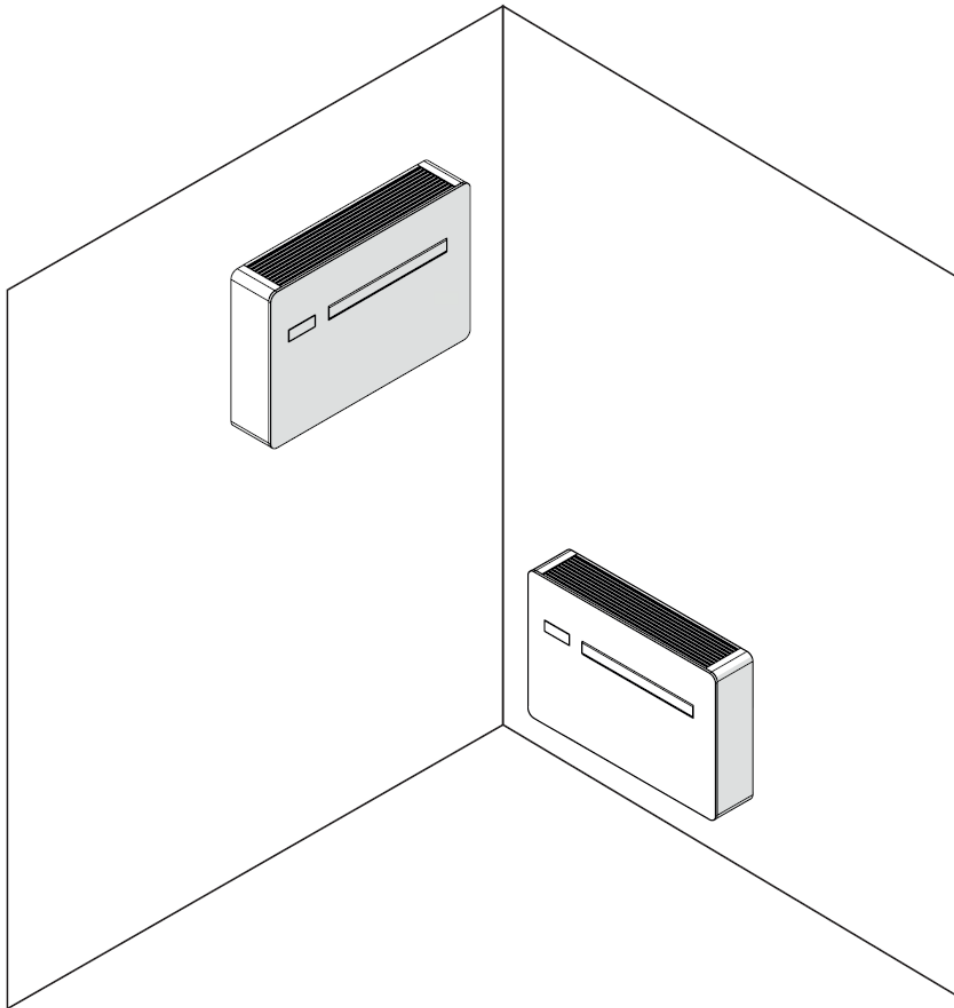


V2.0 MINI

User manual



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Aircold

The logo for Aircold features the brand name in a light blue, italicized sans-serif font. Below the text is a thick, light blue horizontal brushstroke that tapers at both ends, giving it a dynamic, hand-painted appearance.

Important information

READ BEFORE COMMISSIONING THE UNIT

Start-up:

- When the unit is started for the first time, the room will typically be warm and contain a large amount of stored heat. The room temperature must therefore be reduced gradually to avoid operational issues such as icing on the evaporator surface.
- Reduce the set temperature gradually by **1–2°C per 24 hours**. If the room temperature is 26°C before start-up, set the unit to 24°C.
- Set the fan speed to high
- After 24 hours, check the room temperature. If the room temperature has dropped by approximately 2°C, the setpoint may again be reduced by 1–2°C (e.g. to 23°C). Repeat this procedure until the desired room temperature (e.g. 22°C) is reached.
- If the temperature reduction has not been achieved, wait at least another 24 hours before lowering the setpoint further.
- Some versions of the V2.0 MINI are capable of cooling, heating and dehumidifying. Unless the product is explicitly marketed as a heat pump, it is sold **for cooling purposes only**.
- If the heating function is used on units not intended for heating, operation is outside Aircold's operational warranty. For applications requiring both cooling and heating, please refer to **V2.0 Elec..**

Note: V2.0 MINI is not intended as a primary heating system. Limited temperature increase is possible, but sound levels may differ from specified values in heating mode. At outdoor temperatures below +7°C, sound levels may be noticeably higher than in cooling mode.

Maintenance of the unit:

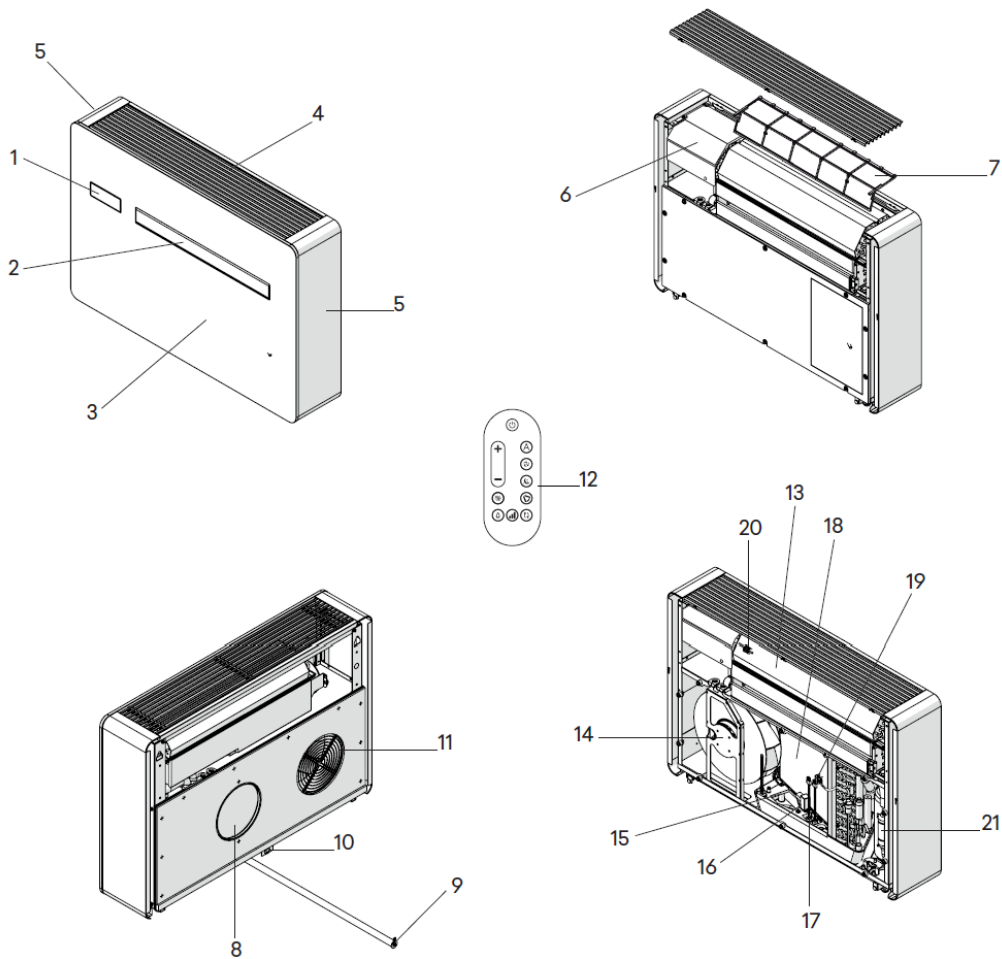
Weekly cleaning of the unit is recommended. In addition, an annual comprehensive service inspection is recommended, during which the refrigeration system is thoroughly inspected, measured, and cleaned internally. Please contact Aircold at aircold@aircold.dk to arrange the annual service inspection.



- The unit contains 149 g of R290 (propane), which is flammable; however, due to the low charge, no special room requirements apply, the refrigeration circuit must not be opened by unauthorized personnel, and service work may only be carried out by certified and experienced refrigeration technicians familiar with the refrigerant used.
- The unit must never be covered.
- Air inlets and outlets must always remain unobstructed.
- Incorrect use or faults may cause water dripping. Do not place unprotected objects beneath the unit. The supplier is not liable for damage caused by improper use.
- Use of non-original external wall grilles not supplied by Aircold will void the warranty.

Components

1. Touchscreen	6. Terminal block	11. External air intake	16. Drain valve	21.Compressor
2. Air outlet deflector	7. Air filter	12. Remote control	17. float switch.	
3. Front panel	8. External air expulsion	13. Internal heat exchanger	18. External heat exchanger	
4. Intake grille	9. Condensate drain	14. Fan	19. Outdoor sensor	
5. Side panel	10. Anti lifting bracket	15. Condensate pump	20. Room temperature sensor	

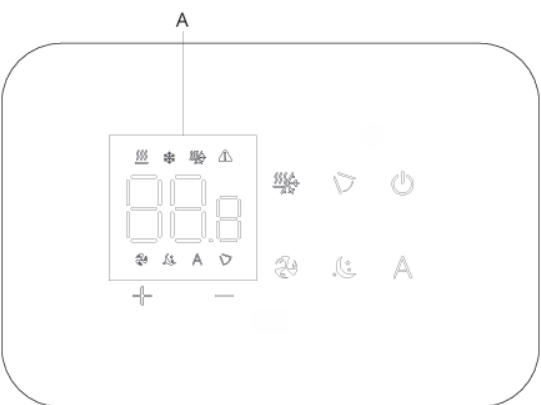


Touchscreen

The V2.0 MINI is equipped with an integrated touchscreen control panel on the front of the unit. No external connections are required. The touchscreen provides the same functionality as the remote control and allows:

- Display of operating status
- Display of alarms
- Selection of operating modes

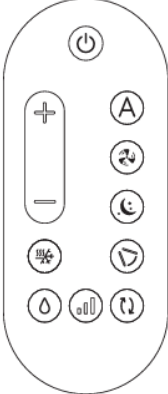
Touchscreen display














A	Display area
	Setpoint
	Alarm signals
	Moving Deflector Control function active
	Active ventilation function
	Heating / Cooling (Cannot be used)
	Cooling operating mode active
	Heating operating mode active
	Automatic function active
	Night function active



Remote control



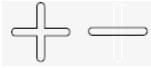
	Up key
	Down key
	This can be used to switch the unit on or off
	Enables the Automatic function
	Allows you to activate the Ventilation function
	Enables the Night function
	Allows you to activate the Moving Deflector Control function
	This can be used to select the operating mode (Cooling or Heating)
	Allows you to activate the Dehumidification function
	Allows you to control ventilation speed
	Allows you to activate the Air Change function (not visible on base unit)

Note: Not all models support all functions.

NB! Operating settings can be adjusted using both the touchscreen display and the remote control.

Operating parameter settings

Room Temperature



Use the temperature buttons to increase or decrease the set temperature. The front display shows the selected room temperature.

Auto mode

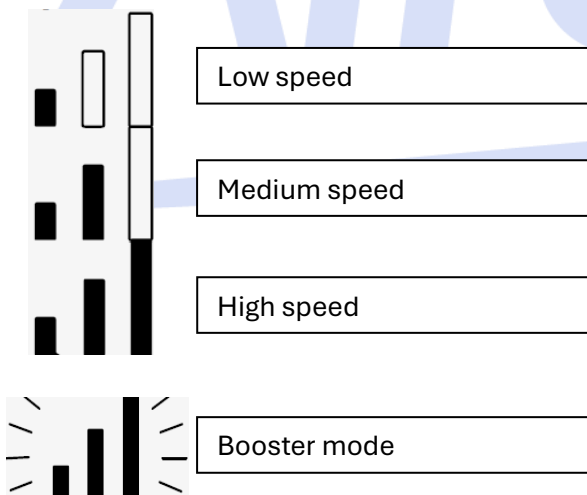


Press and hold for **2 seconds** to activate Auto mode. In Auto mode, the unit automatically selects cooling or heating. A neutral zone exists between modes, resulting in reduced temperature accuracy. **Auto mode is not recommended** for rooms requiring highly stable and precise temperature control.

Fan speed



Press the fan symbol to cycle through fan speeds::



Booster mode provides increased airflow and higher capacity.

- Active for **90 minutes**
- After 90 minutes, the unit returns to Auto fan speed

Dehumidification



Press and hold the dehumidification symbol for **2 seconds**. In dehumidification mode, the unit operates at low fan speed to maximize moisture removal..

Ventilation



Activating ventilation mode circulates air without cooling, heating or dehumidifying.

Night mode



By pressing this symbol for 2 seconds, the unit will switch to Night Mode.

If Night Mode is activated while the unit is operating in cooling mode, the room temperature setpoint will increase by 1°C after 1 hour and by 2°C after 2 hours. After 6 hours, the unit will switch to standby mode.

If Night Mode is activated while the unit is operating in heating mode, the room temperature setpoint will decrease by 1°C after 1 hour and by 2°C after 2 hours. After 6 hours, the unit will switch to standby mode.

Air Outlet Angle



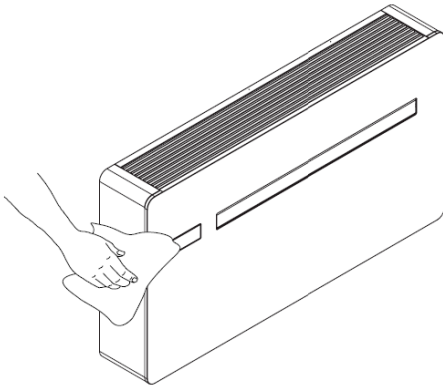
Press the symbol to adjust the angle of the front air outlet louver.

Press and hold for **2 seconds** to activate oscillation mode, where the louver slowly moves up and down.

Maintenance

Weekly Maintenance:

Wipe the unit with a dry cloth. Clean with a damp, well-wrung cloth using mild soapy water

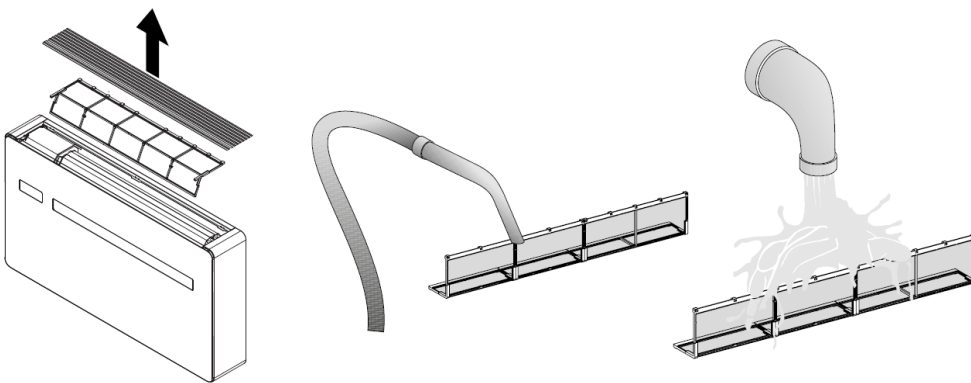


Note! Clean external wall grilles from leaves and debris

Note! Ensure all air passages are unobstructed

Monthly Maintenance:

- Remove the top air filter.
- Vacuum the filter
- Rinse with lukewarm water
- Allow to dry completely before reinstallation



Annual Maintenance:

A comprehensive service inspection is recommended **once per year**.

Contact: aircold@aircold.dk

Troubleshooting

Anomalies	Possible causes	Remedies
The appliance doesn't switch on	No power supply	Check there is power supply (by turning a light on, for example). Check that the thermal-magnetic circuit breaker used exclusively to protect the appliance has not been tripped (if it has, reset it). If the problem repeats immediately, please call the Service Centre and avoid trying to make the appliance work.
	Remote control batteries have run out	Check that the appliance can be turned on using the touch-screen display and substitute the batteries.
The appliance does not cool/heat adequately.	The set temperature is too high or too low.	Check and, if necessary, adjust the temperature setting on the remote control
	The air filter is clogged	Check the air filter and clean it if necessary
	Check that there are no other obstacles to the air flow both inside and outside the appliance.	Remove anything that might block the air flow.
	The heating and cooling load has increased (for example, a door or a window has been left open or an appliance has been installed in the room which generates a lot of heat).	Try to reduce the heating and cooling load of the room following instructions below: Cover large windows exposed to sunlight with curtains or with external maskings (blinds, porches, reflecting films, etc.); The air conditioned room must remain closed for as long as possible; Avoid turning on halogen lamps or other high energy consumption appliances such as small ovens, steam irons, hot plates etc.).

Code	Alarm description	Solution
Er01	Room temperature probe error (RT)	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er02	Error of the temperature sensor of the internal heat exchanger (IPT)	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er03	Error outdoor air temperature probe (OT)	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er04	Error of the external heat exchanger temperature probe (OPT)	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er05	Malfunctioning of the internal fan	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er06	Malfunction of the external fan	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er07	Driver communication error	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er08	Compressor discharge temperature probe (TD) error	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er09	Communication error with remote thermostat M7	Check that thermostat M7 is switched on and that the set functions are activated on the appliance. Otherwise, contact the Authorised Service Centre.
OF	Maximum level float intervention in the condensate drip tray (ALARM)	The condensate drain is not functioning properly, contact the Authorised Service Centre

Code	Alarm description	Solution
CP	Open (CP) contact	Open contact. The appliance only switches on when the contact is closed, check the terminal connection.
Er12	Driver error - compressor failure	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
CE	Communication error between main circuit board and display	You cannot see the function on the display, please contact the Authorised Service Centre.
Er16	4-way valve management error or alarm for insufficient refrigerant charge	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er17	Driver parameter error or compressor incompatibility	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er19	Heating element safety temperature probe error (LEVEL)	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er20	Error of the second temperature probe of the external heat exchanger (GT)	If the alarm does not automatically reset, disconnect and reconnect the power supply. If the alarm does not reset, contact the Authorised Service Centre.
Er22	Wrong power supply	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er23	UV lamp kit error	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
Er24	ERV kit error	Disconnect and restore power to the appliance. If the malfunction persists, contact the Authorised Service Centre.
BL	Key lock	To unlock the display, press simultaneously + for 3 seconds.

OF alarm

If the unit displays “OF” on the touchscreen, it means that the unit is unable to drain the condensate water. Proceed as follows:

1. Place a waterproof tray or container under the unit to collect the water.
2. Open the cap on the drain hose underneath the unit and drain the water into the tray or container.
3. Clean the drain hose and check that it is not clogged or kinked.
4. Clean the air filter and the exterior wall grilles.
5. If the OF alarm reappears after completing this procedure, contact the installer.



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