

PAC 3550 PRO

EN

OPERATING MANUAL
LOCAL AIR CONDITIONER



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Notes regarding the operating manual

Symbols



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Caution

This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Note

This signal word indicates important information (e.g. material damage), but does not indicate hazards.



Info

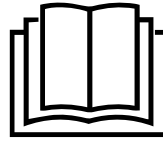
Information marked with this symbol helps you to carry out your tasks quickly and safely.



Follow the manual

Information marked with this symbol indicates that the operating manual must be observed.

You can download the current version of the operating manual and the EU declaration of conformity via the following link:



PAC 3550 PRO



<https://hub.trotec.com/?id=41283>

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!



Warning

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.

Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Do not use the device in potentially explosive rooms.
- Do not use the device in aggressive atmosphere.
- Set the device up in an upright and stable position.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.
- Do not sit on the device.
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.

- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter Technical data.
- Insert the mains plug into a properly secured mains socket.
- Observe the technical data when selecting extensions to the power cable. Completely unroll the extension cable. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical data chapter.
- Make sure that the air inlet and outlet are not obstructed.
- Do not remove any safety signs, stickers or labels from the device. Keep all safety signs, stickers and labels in legible condition.
- Make sure that the suction side is kept free of dirt and loose objects.
- Only transport the device in an upright position with an emptied condensation tray or drain hose.
- Discharge the collected condensate before transport and storage. Do not drink it. Health hazard!

Intended use

Only use the device for cooling, ventilating and dehumidifying indoor air whilst adhering to the technical data.

Improper use

- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use the device outdoors.
- Any unauthorised modifications, such as alterations or structural changes to the device, are forbidden.
- Any operation other than as described in this manual is prohibited. Non-observance renders all claims for liability and guarantee null and void.

Personnel qualifications

People who use this device must:

- be aware of the dangers that occur when working with electric devices in damp areas.
- have read and understood the operating manual, especially the Safety chapter.

Maintenance tasks which require the housing to be opened must only be carried out by specialist companies for cooling and air-conditioning or by Trotec.

Residual risks



Warning of electrical voltage

Work on the electrical components must only be carried out by an authorised specialist company!



Warning of electrical voltage

Before any work on the device, remove the mains plug from the mains socket!
Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning

Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way! Observe the personnel qualifications!



Warning

The device is not a toy and does not belong in the hands of children.



Warning

Risk of suffocation!
Do not leave the packaging lying around. Children may use it as a dangerous toy.

Note

Do not operate the device without an inserted air filter! Without an air filter the inside of the device will be heavily contaminated, which could reduce the dehumidification performance and result in damage to the device.

Behaviour in the event of an emergency

1. Switch off the device.
2. In an emergency, disconnect the device from the mains feed-in: Hold onto the mains plug while pulling the power cable out of the mains socket.
3. Do not reconnect a defective device to the mains.

Information about the device

Device description

The device serves the purpose of cooling the room air. It further filters and dehumidifies the air thus creating an agreeable room climate.

The device uses two separate air hoses for cooling. The supply air is fed from outside, not from the room. No negative pressure is built up in the room and no warm air from outside penetrates into the room. Yet, fresh air is constantly fed to the air conditioner and distributed over the room by the fan.

Air conditioners with two-hose technology are up to 25 % more efficient.

If required, the device can also be operated with an exhaust air hose only. In this case, the supply air is fed from the room.

When operated with an exhaust air hose, the device cools the room air by extracting heat from it. The absorbed warmth is emitted to the outside via the exhaust air hose; cooled air is fed to the installation site by means of a fan.

Accumulating condensate drips from the evaporator onto the hot condenser, there it evaporates and then is transported to the outside via the exhaust air hose.

In *ventilation* mode the device provides the opportunity of air circulation without cooling effect.

In *dehumidification* mode moisture is withdrawn from the air.

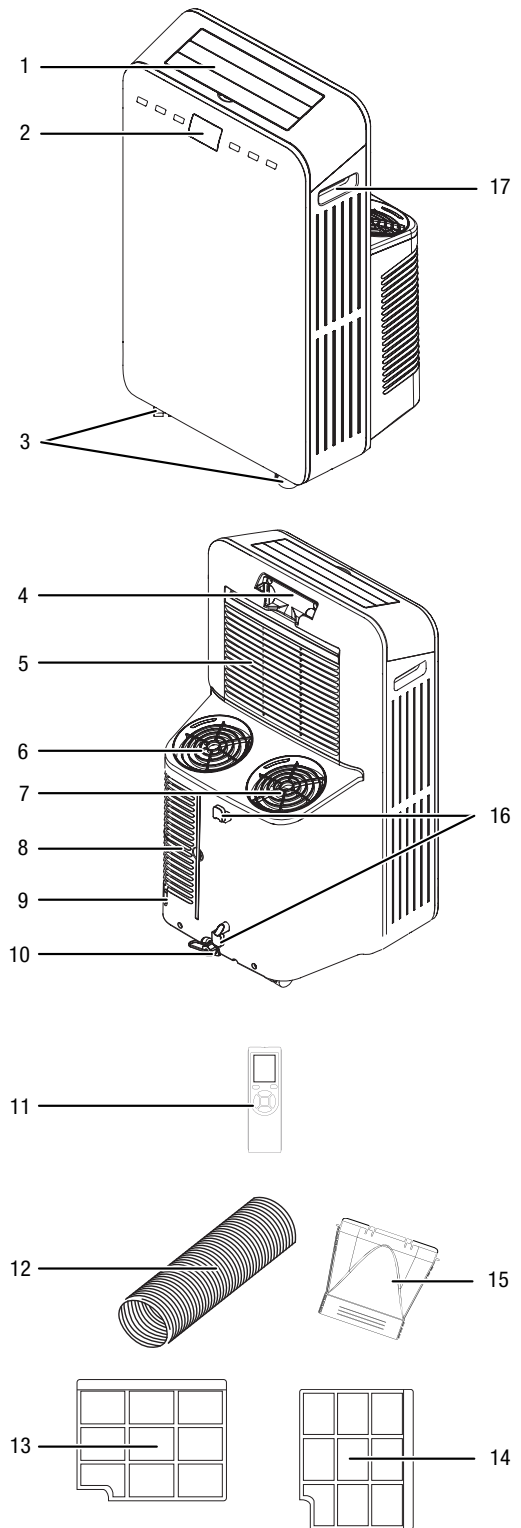
The device operates fully automatically and features a variety of further options. The device can, for instance, be switched on or off automatically with time delay via the timer function.

Operation of the device is possible either via the control panel at the device or via the supplied infrared remote control.

The device was designed for universal and flexible application.

Due to its compact dimensions it can be easily transported and used in all interior spaces.

Device depiction



No.	Designation
1	Air outlet with ventilation flaps
2	Control panel
3	Wheels
4	Compartment for remote control
5	Air inlet with air filter
6	Supply air hose connection
7	Exhaust air hose connection
8	Air inlet
9	Air inlet control knob
10	Condensate outlet with sealing cap and rubber stopper
11	Remote control
12	Air hose (exhaust air hose and supply air hose)
13	Air filter for air inlet
14	Air filter for air inlet
15	Flat nozzle
16	Power cable holder
17	Transport handle

Transport and storage

Note

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

To make the device easier to transport, it is fitted with wheels.

To make the device easier to transport, it is fitted with a carry handle.

Before transporting the device, observe the following:

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Do not use the power cable to drag the device.
- Drain the remaining condensate from the device.
- Only wheel the device on a level and smooth surface.

After transporting the device, observe the following:

- Set up the device in an upright position after transport.
- Leave the device to rest for 12 to 24 hours, so the refrigerant can accumulate within the compressor. Wait 12 to 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device. If so, any warranty claims will be voided.

Storage

Before storing the device, proceed as follows:

- Drain the remaining condensate from the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.

When the device is not being used, observe the following storage conditions:

- dry and protected from frost and heat
- in an upright position where it is protected from dust and direct sunlight
- with a cover to protect it from invasive dust, if necessary
- Place no further devices or objects on top of the device to prevent it from being damaged.
- Remove batteries from the remote control.

Assembly and installation

Scope of delivery

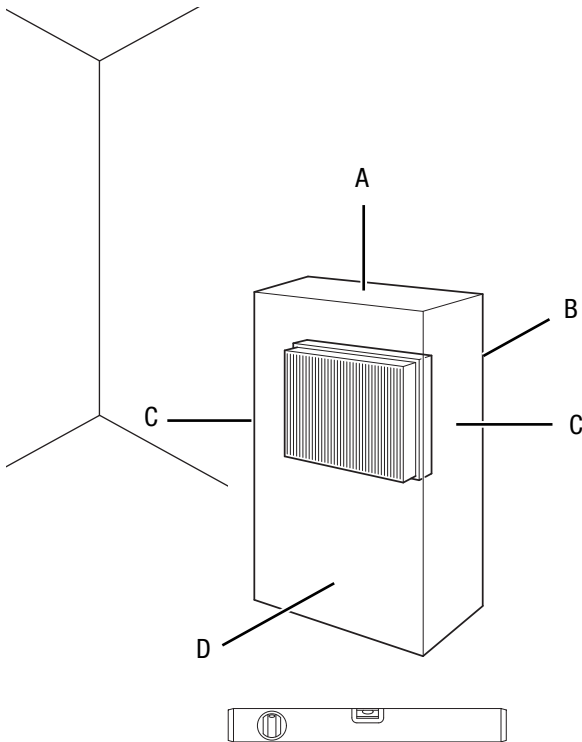
- 1 x Device
- 2 x Air hose
- 1 x Insert for sliding window
- 2 x Cover for sliding window insert
- 1 x Remote control
- 2 x Flat nozzle
- 10 x Fastening screw
- 1 x Manual

Unpacking the device

1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

Start-up

When positioning the device, observe the minimum distance from walls or other objects as described in the Technical data chapter.



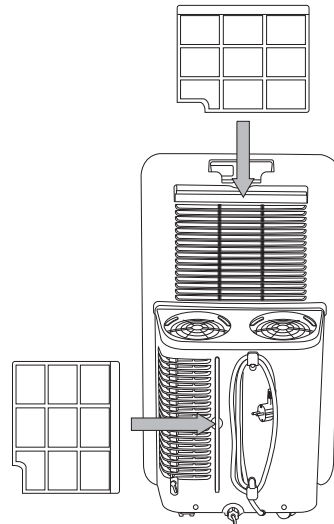
- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Set the device up in an upright and stable position.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are unrolled completely.
- Keep air inlets and outlets as well as the exhaust air hose connection free.
- Make sure that no curtains or other objects interfere with the air flow.

Inserting the air filter

Note

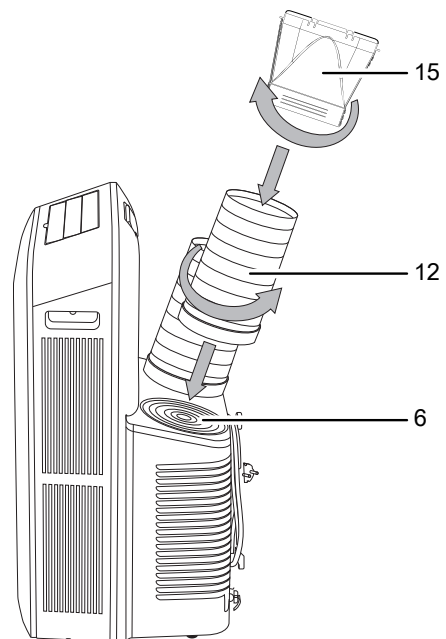
Do not operate the device without an inserted air filter! Without an air filter the inside of the device will be heavily contaminated, which could reduce the dehumidification performance and result in damage to the device.

- Make sure that both air filters are installed before switching the device on.

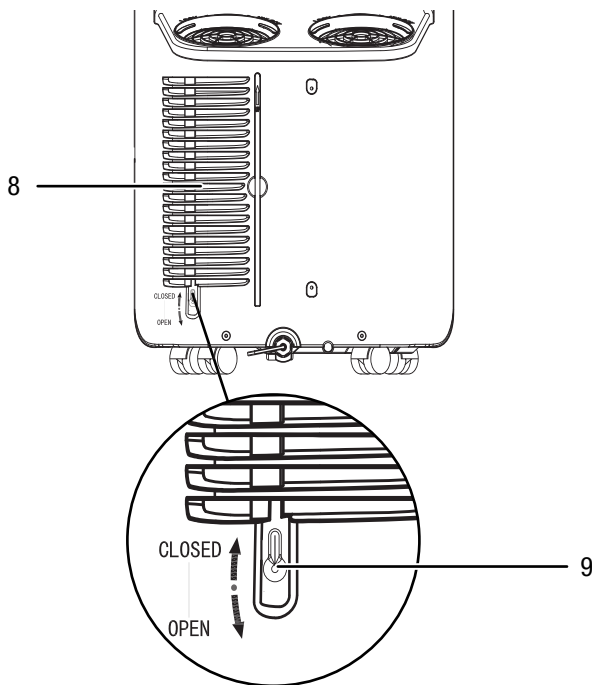


Connecting the supply air hose and exhaust air hose

1. Connect the flat nozzle (15) to one end of the air hose (12).
2. Connect the other end of the air hose to the hose adapter.
3. Screw the hose adapter into the air conditioner's connection for the exhaust air hose (7) or supply air hose (6) in the direction of the arrow (see figure below).



4. Check the position of the air inlet control knob (9). It should be in *closed* position if the supply air hose is connected. The venting slots at the air inlet (8) are closed. If you do **not** connect the supply air hose, the air inlet control knob (9) should be in *open* position. The venting slots at the air inlet (8) are open.



Feeding supply air via the supply air hose

- The supply air can be fed from outside to avoid creating negative pressure in the room.
- The end of the supply air hose can be guided through the open window. If required, secure the open window with the corresponding means, so that the end of the supply air hose cannot shift.
- The end of the supply air hose can also be hooked into a tilted window.

For this purpose, we recommend using a window seal (optional).

- Check whether the venting slots at the air inlet (8) are closed. If the venting slots are open, please proceed as follows:

1. Slide the air inlet control knob (9) to *closed* position.
⇒ The venting slots at the air inlet (8) are closed.

Discharging exhaust air

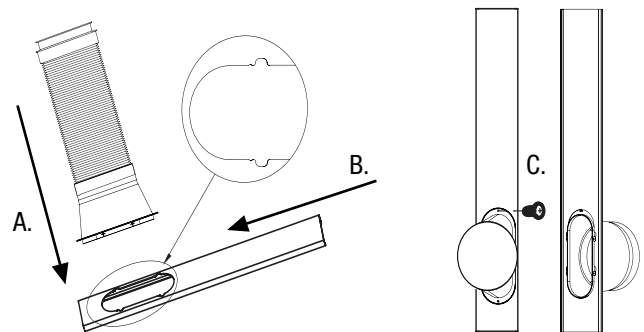
- The exhaust air coming from the device contains waste heat from the room to be cooled. For this reason it is recommended to discharge the exhaust air to the outside.
- The end of the exhaust air hose can be fed through the open window. If required, secure the open window with the corresponding means, so that the end of the exhaust air hose cannot shift.
- The end of the exhaust air hose can also be hooked into a tilted window.

For this purpose, we recommend using a window seal (optional). When attaching the window seal, a minimum distance of 30 cm should be maintained between the two hoses.

- Install the exhaust air hose inclined with the air direction.

How to use the insert

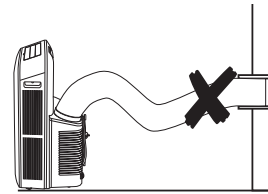
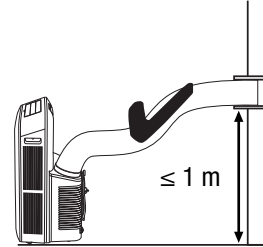
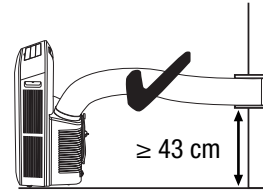
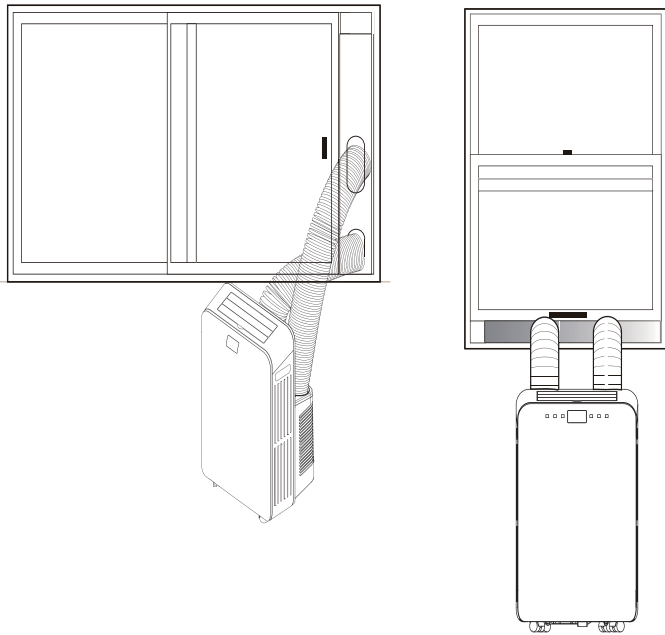
- Affix the inserts in the window gap and adjust the length as needed. If required, use the extension pieces.
- Connect the flat nozzle to the insert:



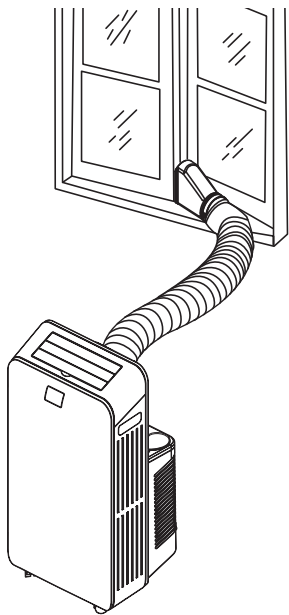
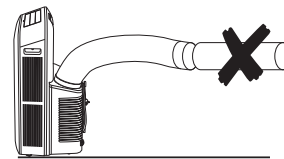
- If you want to use the second air hose, connect it to the insert too. Note that the flat nozzle is firmly connected to the insert.
- Close the window until the insert is held securely.

Example with exhaust air hose and supply air hose:

For installing the exhaust air hose please observe the following:



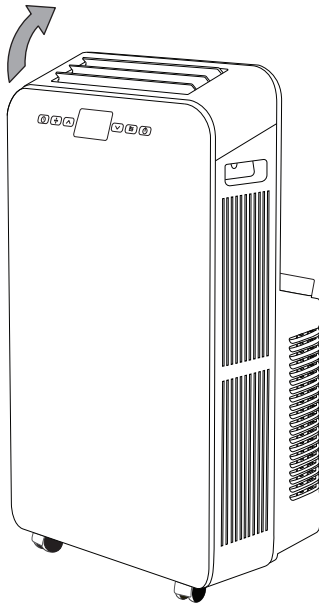
Example with exhaust air hose:



- Avoid kinks and bends in the exhaust air hose, as they would lead to an accumulation of emitted humid air causing the device to overheat and shut down.
- The dimensions of the exhaust air hose were especially made to fit the device. Do not replace or extend the hose, for it could cause a malfunction.

Adjusting the ventilation flaps

- Prior to switching the device on, open the ventilation flaps at the air outlet (1).



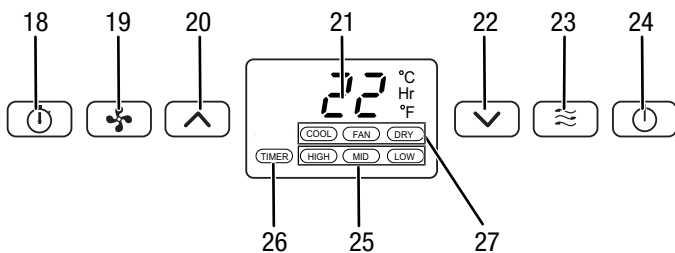
Connecting the power cable

- Insert the mains plug into a properly secured mains socket.

Operation

- Avoid open doors and windows.

Operating elements



No.	Designation	Function
18	Timer button	Automatic switch-on timer function in increments of 1 hour (1 h to 24 h) Automatic switch-off timer function in increments of 1 hour (1 h to 24 h)
19	Fan speed button	Setting the fan speed in 3 stages (low, medium, high). Only enabled in <i>cooling</i> and <i>ventilation</i> mode.

No.	Designation	Function
20	Increase value button	Increasing the target temperature (17 °C to 30 °C) or the number of hours of the timer (1 h to 24 h).
21	Segment display	Display of desired room temperature when in operation Display of current room temperature when in standby Display of timer Fan speed indication: F3 = highest fan speed F2 = medium fan speed F1 = lowest fan speed Display of error codes
22	Decrease value button	Decreasing the target temperature (17 °C to 30 °C) or the number of hours of the timer (1 h to 24 h).
23	Operating mode button	Selecting the operating mode: <i>cooling</i> <i>ventilation</i> <i>dehumidification</i>
24	Power button	Switching the device on or off
25	Fan speed indication	Indicates the fan speed: HIGH = highest stage MID = middle stage LOW = lowest stage
26	Timer indication	Illuminated when the timer function is activated.
27	Operating mode indication	Indicates the selected operating mode: COOL = <i>cooling</i> FAN = <i>ventilation</i> DRY = <i>dehumidification</i>

Switching the device on

1. Allow the device to rest for a time.
2. Once you have completely installed the device as described in the Start-up chapter, you can switch it on.
3. Press the *power* button (24).
⇒ The device starts in *cooling* mode at 22 °C and at the highest fan speed (initial start-up).
In standby mode, the device saves the previously selected settings. These settings are not saved if the device is disconnected from the mains.

The device switches off automatically when the condensation tank is full. *FL* appears on the display.

Setting the operating mode

The device has the following operating modes:

- cooling
- ventilation
- dehumidification

Cooling

In *cooling* mode the room will be cooled down to a certain preselected temperature.

1. Use the *operating mode* button (23) to select *cooling* mode.
 - ⇒ COOL appears on the *operating mode* indication (27).
 - ⇒ The currently selected target temperature is shown on the segment display (21).
 - ⇒ The currently selected fan speed is shown on the *fan speed* indication (25).
2. Select the desired target temperature by use of the *increase value* (20) or *decrease value* (22) button. Temperatures between 17 °C and 30 °C can be selected.
3. Select the desired fan speed by use of the *fan speed* button (19).
 - ⇒ The target temperature and fan speed are shown on the display.



Info

If the device is operated in a very humid environment, the accumulating condensate must be discharged at regular intervals (see chapter Condensate discharge).

Ventilation



Info

Remove the exhaust air hose during *ventilation*.

In *ventilation* mode the room air is circulated, but not cooled.

The respective stage HIGH/MID/LOW appears on the *fan speed* indication (25) and the respective stage F3/F2/F1 appears on the segment display (21). The temperature cannot be set.

1. Use the *operating mode* button (23) to select *ventilation* mode.
 - ⇒ FAN appears on the *operating mode* indication (27).
 - ⇒ The currently selected fan speed is shown on the *fan speed* indication (25).
2. Select the desired fan speed by use of the *fan speed* button (19).
 - ⇒ The respective stage HIGH/MID/LOW appears on the *fan speed* indication (25) and the respective stage F3/F2/F1 appears on the segment display (21).

Dehumidification

In *dehumidification* mode the humidity level in the room is reduced.

LOW is displayed on the *fan speed* indication (25) and F1 appears on the segment display.

If the room temperature is 15 °C, the compressor starts. If the room temperature drops below 15 °C, the compressor stops and only starts again at 15 °C with a delay of approx. 3 min.



Info

Remove the exhaust air hose and supply air hose during *dehumidification*, otherwise the dehumidification performance is too low and FL is displayed.

1. Use the *operating mode* button (23) to select *dehumidification* mode.
 - ⇒ DRY appears on the *operating mode* indication (27).
 - ⇒ The temperature and the fan speed (LOW) are preset in this operating mode and cannot be changed.



Info

If the device is operated in a very humid environment, the accumulating condensate must be discharged at regular intervals (see Condensate discharge (manual draining) in the Maintenance chapter).

Setting the timer

The timer has two modes of operation:

- automatic switch-on upon expiry of a preset number of hours.
- automatic switch-off upon expiry of a preset number of hours.

The function can be set in all operating modes and also during stand-by.

The number of hours can be between 1 and 24 and can be adjusted in increments of 1 h.

Note

Do not leave the operating device unattended in a freely accessible room with an activated timer.

Automatic switch-on

- ✓ The device is switched off.
- 1. Press the *timer* button (18).
 - ⇒ The *timer* indication (26) on the display is illuminated.
 - ⇒ The current operating mode (COOL, FAN or DRY), the fan speed and the flashing, current switch-on time in hours are shown on the display.
- 2. Select the desired number of hours for the switch-on time by use of the *increase value* (20) or *decrease value* (22) button.
 - ⇒ The number of hours flashes on the segment display (21).
- 3. Adjust these settings as appropriate.
- 4. Wait for approx. 5 seconds until the display turns darker. Your settings are now saved.
 - ⇒ The respective stage HIGH/MID/LOW appears on the *fan speed* indication (25) and the respective stage F3/F2/F1 appears on the segment display (21). Moreover, the display will show the operating mode (27) and the *timer* indication (26).

Notes regarding automatic switch-on:

- Manually switching the device on disables the automatic switch-on function.
- If you select **0** hours, the timer will be off.

Automatic switch-off

- ✓ The device is switched on.
- 1. Select the desired operating mode by means of the *operating mode* button (23).
- 2. Press the *timer* button (18).
 - ⇒ The *timer* indication (26) on the display is illuminated.
- 3. Select the desired number of hours for the switch-off time by use of the *increase value* (20) or *decrease value* (22) button.
 - ⇒ The number of hours flashes on the segment display (21).
- 4. Wait for 5 seconds in order to save the setting.
 - ⇒ The display changes back to the previous indication.
 - ⇒ The *timer* indication (26) is permanently illuminated to confirm automatic switch-off.

Notes regarding automatic switch-off:

- Pressing the *power* button (24) deactivates the automatic switch-off function.

Night mode

Night mode can only be activated in *cooling* mode. Night mode comes with the following settings:

- After 2 hours the preset temperature is increased by 1 °C.
- After another 2 hours the temperature is again increased by 1 °C, thus the preset temperature is increased by a total of 2 °C within 4 hours. Afterwards, the temperature is kept at this value.
- The fan speed is automatically lowered to the min. level and cannot be changed manually.
- The swing function can be switched on via the remote control if required.

To activate night mode, please proceed as follows:

1. Use the *operating mode* button (23) to select *cooling* mode.
2. Simultaneously press the *timer* (18) and *decrease value* (22) buttons.
 - ⇒ The fan speed is automatically adjusted to the lowest level.
 - ⇒ The night mode is **not** shown on the display.
3. To switch off night mode, simultaneously press the *timer* (18) and *decrease value* (22) buttons again.

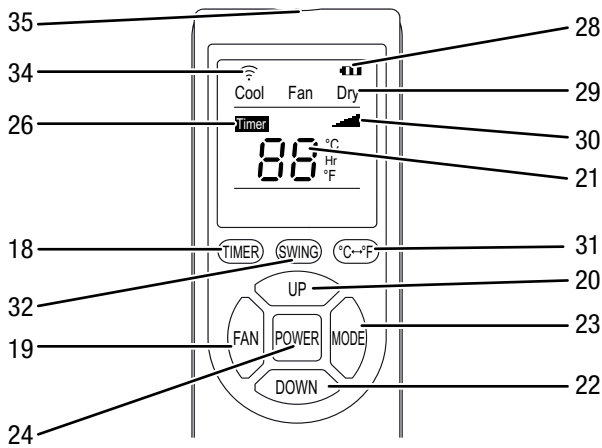
Remote control

All settings of the device can also be made using the remote control included in the scope of delivery. Insert suitable batteries in the remote control (see chapter Technical annex).



Info

After a longer period of non-use, the remote control will switch to standby mode. Standby mode can be terminated by pressing the **POWER** button on the remote control. Please note that the device automatically takes over the current settings from the remote control.



No.	Designation	Meaning
23	<i>MODE</i> button	Selection button for the mode of operation <i>cooling</i> <i>ventilation</i> <i>dehumidification</i>
24	<i>POWER</i> button	Power button: Switching the device on or off
26	<i>Timer</i> indication	Timer active
28	<i>Battery</i> indication	Charging status of the batteries for the remote control
29	<i>Operating mode</i> indication	Cool = <i>cooling</i> Fan = <i>ventilation</i> Dry = <i>dehumidification</i>
30	<i>Fan speed</i> indication	Low = ■■ Medium = ■■■■ High = ■■■■■■
31	°C / °F button	Switching temperature indication between °C and °F
32	<i>SWING</i> button	Adjusting the position of the ventilation flaps
34	<i>Transmission</i> indication	Indicates transmission to the device when the button is pressed
35	Remote control transmitter / receiver	Communication between device and remote control

No.	Designation	Meaning
18	<i>TIMER</i> button	<i>Automatic switch-on</i> timer function in increments of 1 hour (1 h to 24 h) <i>Automatic switch-off</i> timer function in increments of 1 hour (1 h to 24 h)
19	<i>FAN</i> button	Setting the fan speed in 3 stages: High, Medium and Low Only enabled in <i>cooling</i> and <i>ventilation</i> mode.
20	<i>UP</i> button	Increasing the target temperature (17 °C to 30 °C) or the number of hours of the timer (1 h to 24 h).
21	Segment display	Display of current room temperature when in operation Display of target temperature while setting it Display of timer Display of error codes
22	<i>DOWN</i> button	Decreasing the target temperature (17 °C to 30 °C) or the number of hours of the timer (1 h to 24 h).

Changing the unit °C / °F

The temperature in the segment display (21) can be indicated in °C or °F.

Please proceed as follows to change the temperature unit:

1. Simultaneously press the *increase value* (20) and *decrease value* (22) buttons.

Alternatively, you can press the °C / °F button (31) on the remote control.

⇒ The displayed temperature is converted to the other unit.

Swing function

The swing function can only be activated via the remote control.

Using the swing function, you can adjust the position of the ventilation flaps or activate continuous movement of the ventilation flaps.

1. Press the *SWING* button (32).
⇒ The ventilation flaps move up and down continuously.
⇒ The *swing function* indication (36) is illuminated.
2. Press the *SWING* button (32) again to stop the ventilation flaps in a certain position and to switch off the swing function.
⇒ The *swing function* indication (36) disappears.

Automatic defrost

At low ambient temperatures, ice may form at the evaporator. The device will then carry out an automatic defrost.

The compressor switches off and the fan keeps running until defrosting is completed. The duration of the defrost process can vary.

Do not switch off the device during automatic defrost. Do not remove the mains plug from the mains socket.

Shutdown



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Empty the condensation tray if necessary.
- If necessary, remove the condensation drain hose and any residual fluid from it.
- Clean the device according to the Maintenance chapter.
- Store the device according to the Storage chapter.

Errors and faults

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The device does not start:

- Check the power connection.
- Check the power cable and mains plug for damages.
- Check the on-site fusing.
- Observe the operating temperature according to the Technical data chapter.
- Check the filling level of the condensation tank, and empty it if necessary. The FL indication (condensation tank full) must not light up.
- Wait for 10 minutes before restarting the device.
If the device is not starting, have the electrics checked by a specialist company or by Trotec.

The device works with reduced or no cooling capacity:

- Check whether *cooling* mode is selected.
- Check the proper fit of the exhaust air hose. In case of kinks, bends or blockage in the hose, exhaust air cannot be discharged. Clear the way for the exhaust air.
- Check the position of the ventilation flaps. They should be opened to the maximum.
- Check the proper fit of the supply air hose. In case of kinks, bends or blockage in the hose, supply air cannot be fed. Clear the way for the supply air.
- Check the air filter(s) for dirt. If necessary, clean or replace the air filter(s).

- Check the minimum distance to walls or other objects. Position the device a little more in the room's centre if required.
- Check whether any windows and/or doors of the room are open. If so, close them. One window has to remain open for the exhaust air hose nonetheless.
- Check the temperature setting at the device. Reduce the set temperature if it is higher than the room temperature.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.

Condensate is leaking:

- Check the device for leaks.

The compressor does not start:

- Check whether the overheating protection of the compressor has tripped. Disconnect the device from the mains and let it cool down for approx. 10 minutes before reconnecting it.
- Check whether the ambient temperature equals the target temperature (in *cooling* mode). The compressor will not switch on unless the respective temperature is reached.
- The compressor may start up with a delay of 3 min, as it is provided with an internal protection against direct restart.

The device gets very warm, is loud or loses power:

- Check the air inlets and air filters for dirt. Remove external dirt.
- From the outside, check the device for dirt (see chapter Maintenance). If the inside of the device is dirty, have it cleaned by a specialist company for cooling and air-conditioning or by Trotec.

The device does not respond to the infrared remote control:

- Check whether the distance between remote control and device is too large and reduce it if necessary.
- Make sure there are no obstacles, such as furniture or walls, between the device and the remote control. Ensure visual contact between device and remote control.
- Check the charging status of the batteries and change them if required.
- If the batteries have only just been changed, check them for correct polarity and change them if required.

Note

Wait for at least 3 minutes after maintenance and repair work. Only then switch the device back on.

Your device still does not operate correctly after these checks?

Please contact the customer service. If necessary, bring the device to a specialist company for cooling and air-conditioning or to Trotec for repair.

Error codes

The following error codes can be displayed:

Error code	Cause	Remedy
FL	Condensation tank full	Discharge condensate (manual draining) according to the Maintenance chapter.
E1	Defective coil temperature sensor	Disconnect the device briefly from the mains. Should the error still be displayed after the restart, please contact the customer service.
E2	Defective room temperature sensor	Disconnect the device briefly from the mains. Should the error still be displayed after the restart, please contact the customer service.
E4	Frost protection	Once the coil temperature drops below 0 °C, the device will switch off. As soon as the coil temperature has increased to at least 8 °C, frost protection switches off and the device can be operated again.

Maintenance

Maintenance intervals

Maintenance and care interval	before every start-up	as needed	at least every 2 weeks	at least every 4 weeks	at least every 6 months	at least annually
Check the air inlets and outlets for dirt and foreign objects and clean if necessary	X			X		
Clean the exterior		X				X
Visually check the inside of the device for dirt		X				X
Check the air filter for dirt and foreign objects and clean or replace if necessary	X		X			
Replace the air filter					X	
Check for damage	X					
Check the attachment screws		X				X
Test run						X
Empty the condensation tray and drain hose		X				

Maintenance and care log

Device type:

Device number:

Maintenance and care interval	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Check air inlets and outlets for dirt and foreign objects and clean if necessary																
Clean the exterior																
Visually check the inside of the device for dirt																
Check the air filter for dirt and foreign objects and clean or replace if necessary																
Replace the air filter																
Check for damage																
Check the attachment screws																
Test run																
Empty the condensation tray and drain hose																
Comments																

1. Date: Signature:	2. Date: Signature:	3. Date: Signature:	4. Date: Signature:
5. Date: Signature:	6. Date: Signature:	7. Date: Signature:	8. Date: Signature:
9. Date: Signature:	10. Date: Signature:	11. Date: Signature:	12. Date: Signature:
13. Date: Signature:	14. Date: Signature:	15. Date: Signature:	16. Date: Signature:

Activities required before starting maintenance



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch the device off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning of electrical voltage

Tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

Refrigerant circuit

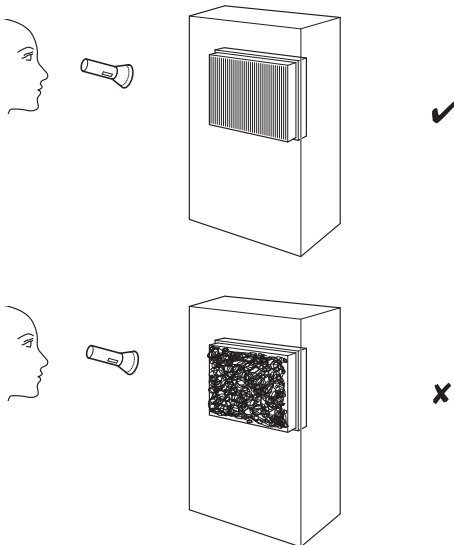
- The entire refrigerant circuit is a maintenance-free, hermetically sealed system and may only be maintained or repaired by specialist companies for cooling and air-conditioning or by Trotec.

Cleaning the housing

Clean the housing with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Visual inspection of the inside of the device for dirt

1. Remove the air filter.
2. Use a torch to illuminate the openings of the device.
3. Check the inside of the device for dirt.
4. If you see a thick layer of dust, have the inside of the device cleaned by a specialist company for cooling and air-conditioning or by Trotec.
5. Put the air filter back in.



Cleaning the air filter

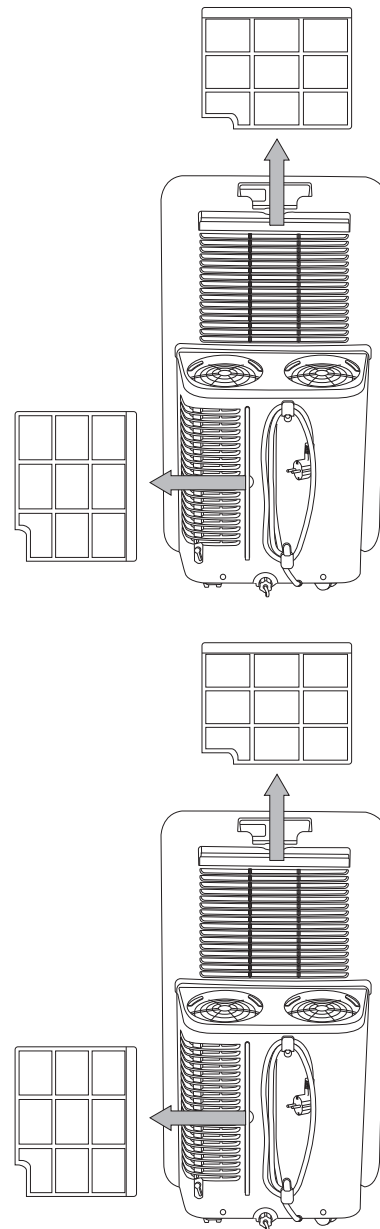
The air filters have to be cleaned as soon as they are dirty. This is brought to light e.g. by a reduced capacity (see chapter Errors and faults).



Warning

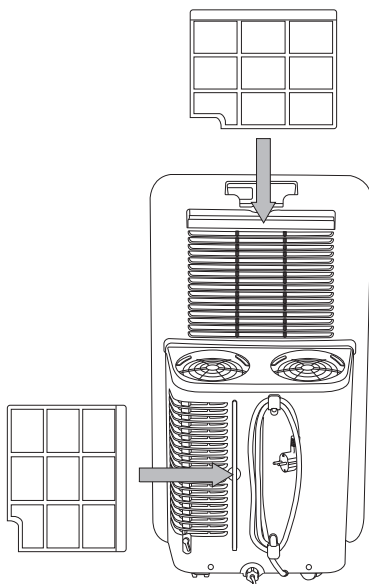
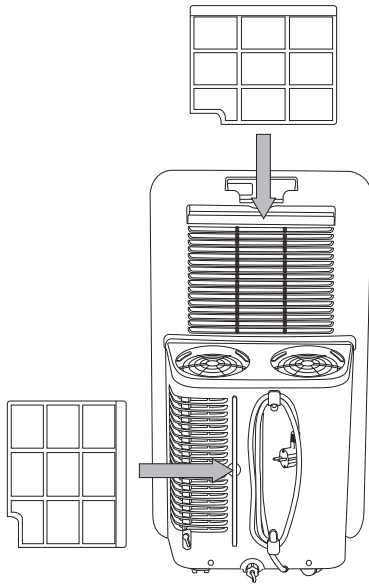
Ensure that the air filters are neither worn nor damaged. The corners and edges of the air filters must not be deformed or rounded. Before reinserting the air filters, make sure that they are undamaged and dry!

1. Remove the air filters from the device.

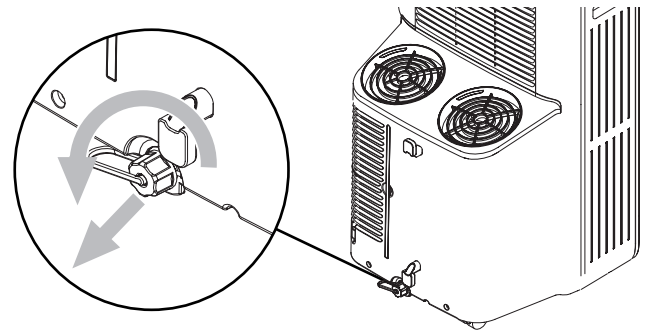


2. Clean the filters using a slightly damp, soft, lint-free cloth. If the filters are heavily contaminated, clean them with warm water mixed with a neutral cleaning agent.
3. Allow the filters to dry completely. Do not put any wet filters into the device!

4. Reinsert the air filters into the device.



2. Remove the rubber stopper from the condensate outlet.



3. Drain the condensate.
4. Reattach the rubber stopper to the condensate outlet. Ensure the tight fit of the rubber stopper, for otherwise there might be uncontrolled water leakage.
 - ⇒ The *FL* indication on the segment display (21) will go out as soon as the condensate has been drained.

Activities required after maintenance

If you want to continue using the device:

- Leave the device to rest for 12 to 24 hours, so the refrigerant can accumulate within the compressor. Wait 12 to 24 hours before switching the device back on! Acting contrary might lead to compressor damage and a malfunctioning device. If so, any warranty claims will be voided.
- Reconnect the device to the mains.

If you do not intend to use the device for a considerable time:

- Store the device according to the Storage chapter.

Condensate discharge (manual draining)

In *cooling* and *dehumidification* mode condensate is formed, which is mostly discharged via the exhaust air.

The remaining condensate is collected in a container within the housing. The condensate ought to be drained regularly.

If too much condensate accumulates, the device switches off and indicates this via the *FL* indication on the segment display (21).

1. Carefully transport or wheel the device to a suitable location for discharging the condensate (e.g. a drain) or position a suitable collection container under the condensate outlet.

Technical annex

Technical data

Parameter	Value
Model	PAC 3550 PRO
Cooling capacity	3.5 kW
Dehumidification performance	1.3 l/h
Operating temperature	7 °C to 35 °C
Temperature setting range	17 °C to 30 °C
Max. air volume flow	380 m ³ /h
Mains supply	1/N/PE~ 230 V / 50 Hz
Nominal current	5.7 A
Power consumption	1.3 kW
Max. sound pressure level	55 dB(A)
Refrigerant	R-410A
Amount of refrigerant	685 g
GWP factor	2,088
CO ₂ equivalent	1.43 t
Dimensions (length x width x height)	430 x 470 x 840 mm
Minimum distance to walls and other objects:	top (A): 50 cm rear (B): 50 cm sides (C): 50 cm front (D): 50 cm
Weight	34 kg
Remote control batteries	Type LR03 / AAA – 1.5 V (2 pcs.)

Disposal



The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. For further return options provided by us please refer to our website www.trotec24.com.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

The device is operated with fluorinated greenhouse gas which can be dangerous for the environment and contribute to global warming when emitted to the atmosphere.

Further information is provided on the nameplate.

Dispose of the refrigerant appropriately and according to the national regulations.

In the European Union, batteries and accumulators must not be treated as domestic waste, but must be disposed of professionally in accordance with Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators. Please dispose of batteries and accumulators according to the relevant legal requirements.

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