



Portable Air Conditioner

User Manual

[Revision 1.0 December 2017]

READ THIS MANUAL CAREFULLY BEFORE USE AND KEEP FOR FUTURE REFERENCE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

Table of Contents

| | |
|----------------------------|---|
| Safety | 1 |
| Parts Identification..... | 2 |
| Fittings List..... | 2 |
| Control Panel..... | 3 |
| Functions | 3 |
| Displays..... | 3 |
| Remote Control..... | 3 |
| Operation..... | 4 |
| Timer Setting..... | 4 |
| Operating Modes..... | 4 |
| Installation..... | 5 |
| Installation Examples..... | 6 |
| Drainage..... | 7 |
| Maintenance..... | 8 |
| Error Codes..... | 8 |
| Troubleshooting..... | 9 |

Safety

Your safety and the safety of others is very important. Please read and follow the safety instructions both in this user manual and on the appliance itself.



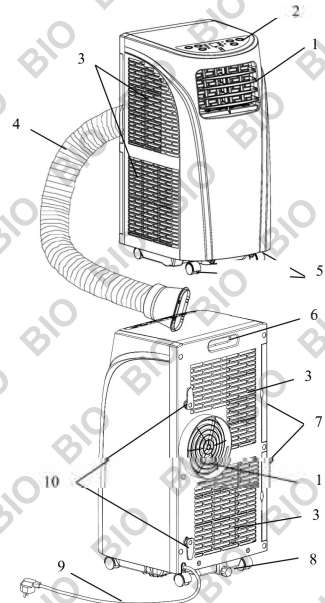
WARNING:

CHOKING HAZARD - Small parts and batteries. Not for children. Use with adult supervision only

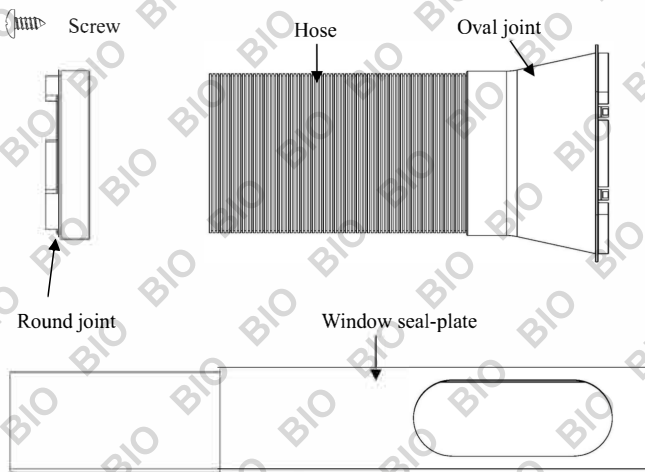
- This appliance can be used by persons aged 8 and above if they have been given supervision or instruction regarding the use of the appliance in a safe way, and given an understanding of the hazards involved.
- Children should not be allowed to play with the appliance.
- Do not install the air conditioner in a location where there is flammable gas or liquids.
- If the power supply cord is damaged, it must be replaced by an authorised technician.
- Do not insert any object, including fingers etc, into any of the air outlets, inlets or ventilation slots.
- Do not touch the movable air vanes. They may clamp or pinch fingers, or be damaged due to having their movement blocked.
- Do not attempt to repair the air-conditioner yourself.
- In the event of a lightning storm, disconnect the air-conditioner from the electrical supply to prevent damage from possible power surges.
- Do not operate the air-conditioner in a laundry, bathroom or other humid location.
- Do not use liquid or corrosive detergents to clean the air-conditioner. Do not splash water or other liquids onto it, as this can cause fire or electric shock.
- Do not apply cold air from the air-conditioner directly to your body for extended periods of time.
- Clean the air-conditioner with a piece of soft, dry cloth. If the filter is very dirty, the cooling capacity of the air-conditioner will be weakened. Please clean the filter regularly.

Parts Identification

1. Air Outlet
2. Control Panel
3. Inlet Grill (filter behind)
4. Exhaust Pipe
5. Wheel
6. Handle
7. Strainer
8. Drain Outlet
9. Electrical Cord and Plug
10. Electrical Cord Storage Hooks
11. Exhaust Outlet



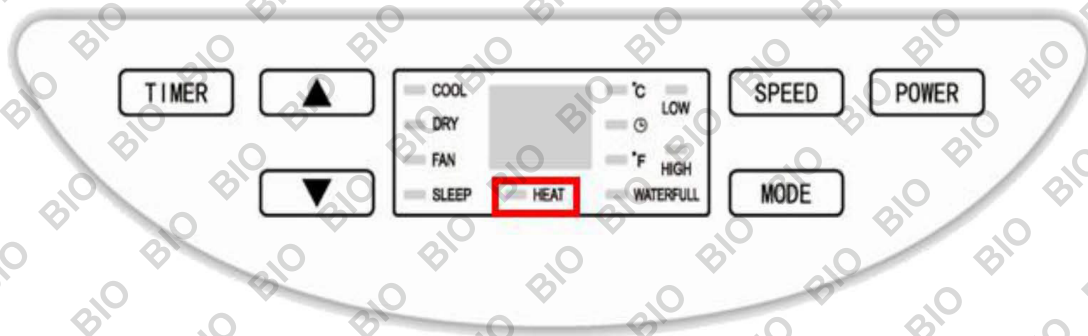
Fittings List



Extendable Hose length: 28cm ~ 150cm

Window Seal-plate length: 90cm ~ 130cm

Control Panel



Functions

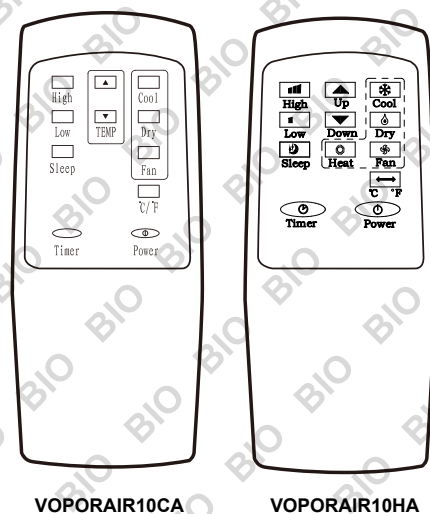
- **POWER** - Press this button to turn the air-conditioner on or off.
- **MODE** - While running or when a timer is set, this button can select between COOL, DEHUMIDIFY, FAN and HEAT modes. Once a mode is selected, the corresponding light will be on.
- **UP and DOWN** - If the Time On or Time Off timer is set, pressing UP and DOWN will adjust the on/off time. If the air-conditioner is already running, pressing UP or DOWN will adjust the temperature setting. Pressing UP and DOWN together at the same time will swap between C° and F° modes.
- **SPEED** - Pressing this button will select airspeeds between LOW and HIGH. Once an airspeed is selected, the corresponding light will be on.
- **TIMER** - Press this button to set a timer.

Displays

- **88** - This figure will display the set temperature in HEAT and COOL modes, and will display the room temperature in FAN and DEHUMIDIFY modes.
 - If E2 is displayed, it means the room temperature sensor has encountered an error.
 - If E3 is displayed, it means the evaporator temperature sensor has encountered an error.
 - If DF is displayed, it means the defrosting function is active.
 - If FL is displayed, it means the water tank is full.
- **SLEEP** - If this indicator light is lit, it means the SLEEP state is operating.
- **WATER FULL** - If this indicator light is lit, it means the water tank needs to be emptied.

Remote Control

- ① **POWER**: press to turn air-conditioner on/off (VOPORAIR10CA)
- ⌚ **POWER**: press to turn air-conditioner on/off (VOPORAIR10HA)
- ⌚ **TIMER**: press to set timer
- ↔ **TEMPERATURE CONVERSION**: Swap from C° to F°
- ❄️ **COOL**: Press to select COOL mode
- ☀️ **HEAT**: Press to select HEAT mode (VOPORAIR10HA)
- 💧 **DEHUMIDIFY**: Press to select DEHUMIDIFY mode
- 🌀 **FAN**: Press to select FAN mode
- ▲▼ **UP/DOWN**: Press UP or DOWN to select temperature or adjust timer
- 📶 **HIGH**: Press to select HIGH fan speed
- 📶 **LOW**: Press to select LOW fan speed
- 🌙 **SLEEP**: Press to set the air-conditioner to SLEEP mode. This will lock the fan speed mode to LOW. The temperature will also be unable to be changed. Press SLEEP again to cancel



VOPORAIR10CA

VOPORAIR10HA

Operation

Timer Setting

Setting the Auto-Off Timer

When the air-conditioner is running, press the TIMER button - the timer LED will illuminate. The display will flash "--" 5 times. While it is flashing, press UP and DOWN to adjust the time - range is 0.5 hours (30 minutes) to 24 hours. For timer settings under 3 hours, the increments are in 30 minute blocks. For timer settings over 3 hours, increments are in 1 hour blocks. When the timer expires, the air-conditioner will turn off automatically.

Setting the Auto-On Timer

When the air-conditioner is in standby, press the TIMER button - the timer LED will illuminate. The display will flash "--" 5 times. While it is flashing, press UP and DOWN to adjust the time and set the method of operation required. If you set the mode to COOL or HEAT, then you can also select the desired temperature. For timer settings under 3 hours, the increments are in 30 minute blocks. For timer settings over 3 hours, increments are in 1 hour blocks. When the timer expires, the air-conditioner will turn on automatically and run in the selected operating mode.

Changing a Previously Set Timer

If you need to change an existing timer setting, press the TIMER button. The display will flash, showing the time remaining. While it is flashing, press UP or DOWN to increase or decrease the time. If you press the TIMER a second time while the numbers are flashing, the timer will be cancelled.

Operating Modes

HEAT and COOL

- While the air-conditioner is running or is in TIMER ON mode, press MODE to select HEAT or COOL mode. The LEDs on the control panel will light up.
- Press UP/DOWN to set the appropriate temperature (range = 18 to 30°C (64 to 86°F)). For each press of the UP or DOWN button, the temperature will change by 1°.
- Press SPEED to select the most appropriate fan speed, between LOW and HIGH speeds.
- After selecting COOL or HEAT mode, press SLEEP on your remote control (or press UP and TIMER on the control panel simultaneously) to enter SLEEP mode. Both the upper and lower fans will be set and locked to LOW speed. Set the timer from 0.5 to 12 hours, based on your requirements, after which the air-conditioner will automatically be turned off. If you wish to cancel the SLEEP mode, press the SLEEP button again.

DEHUMIDIFY

- While the air-conditioner is running or is in TIMER ON mode, press MODE to select DEHUMIDIFY mode. The LEDs on the control panel will light up.
- Temperature and speed are not adjustable in dehumidify mode.

FAN

- While the air-conditioner is running or is in TIMER ON mode, press MODE to select FAN mode. The LEDs on the control panel will light up.
- Press SPEED to select the appropriate fan speed, between LOW and HIGH speeds.
- Temperature is not adjustable.

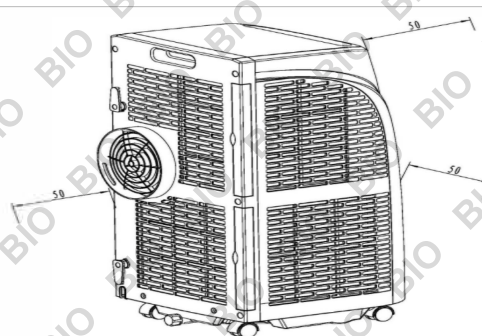
When the full water indicator is displayed, the air-conditioner will stop working and you should drain the water.

In DEHUMIDIFY and FAN modes, you do not need to use the exhaust pipe.

Installation

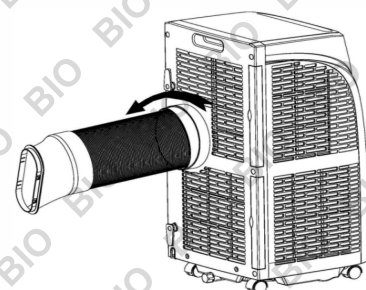
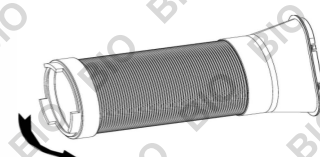
Selecting your location

Install the air-conditioner in a flat, dry location, allowing at least 50cm of space around the unit in all directions to allow for adequate circulation of air, as shown.



Exhaust Pipe Assembly

1. Connect the exhaust pipe assembly with the round joint, as shown to right.
2. Fix the round end of the connected exhaust pipe assembly to the air outlet of the air conditioner, as shown to right below.
3. Connect the oval joint of the exhaust pipe to the window seal-plate.
4. Install the seal-plate into the nearest window. Ensure there are no objects within 50cm of the window itself to allow the air exhaust to flow freely.



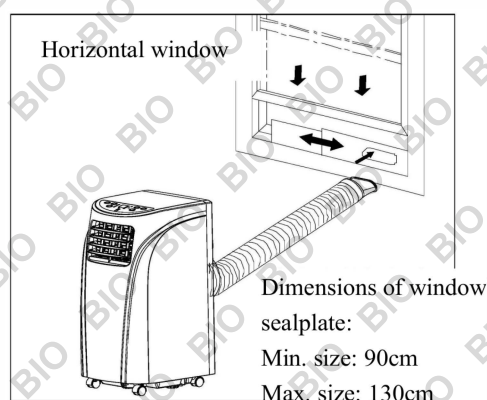
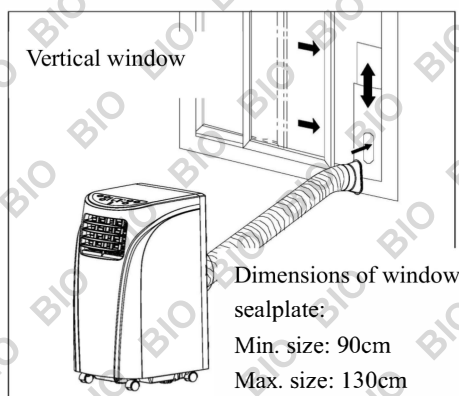
Notes

- We recommend you use the exhaust pipe collapsed as much as possible, as the shortest length will result in the most efficient operation.
- The length of the exhaust pipe is designed specifically for this product. Please do not use other exhaust pipes or extend the pipe at all, as this may result in product failure.

Window kit installation

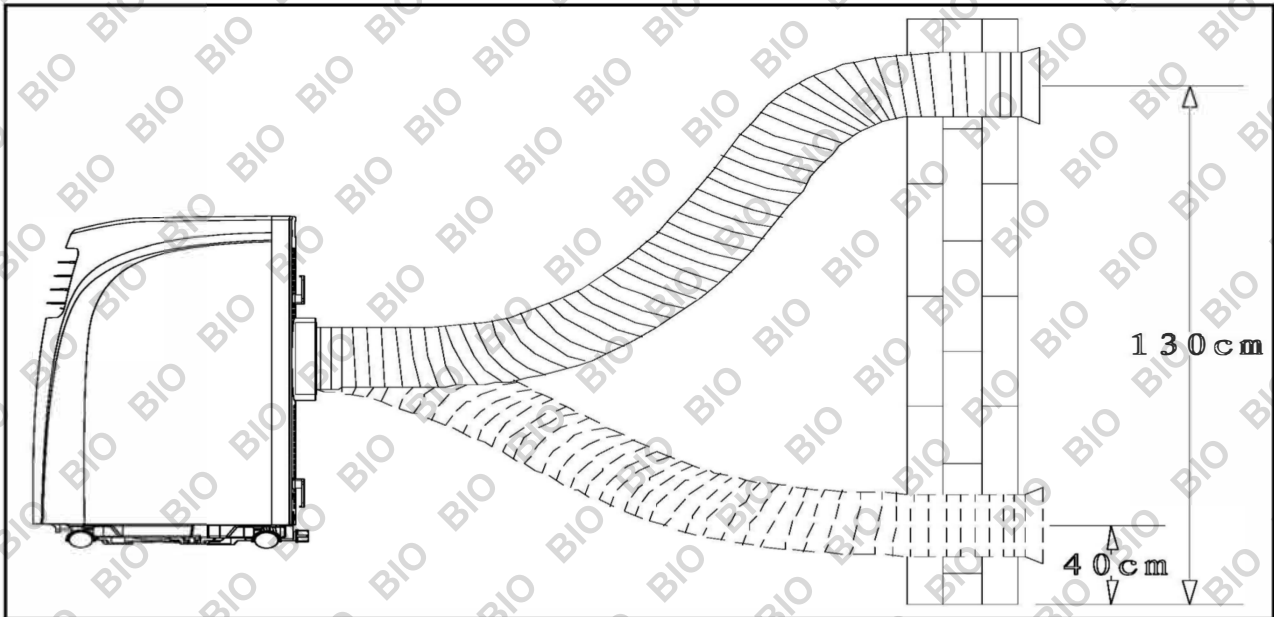
The window kit has been designed to fit most standard vertical and horizontal window applications. However, it may be necessary for you to improve or modify some aspects of the installation procedure for certain types of window.

Please refer to the images below for usage examples.

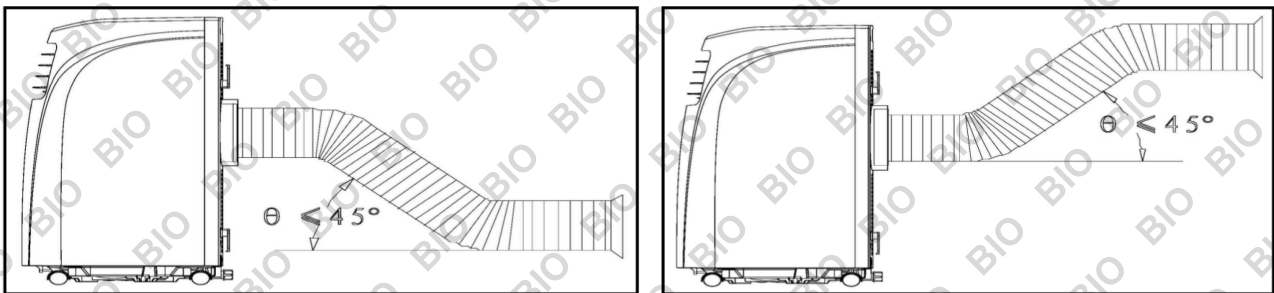


Installation Examples

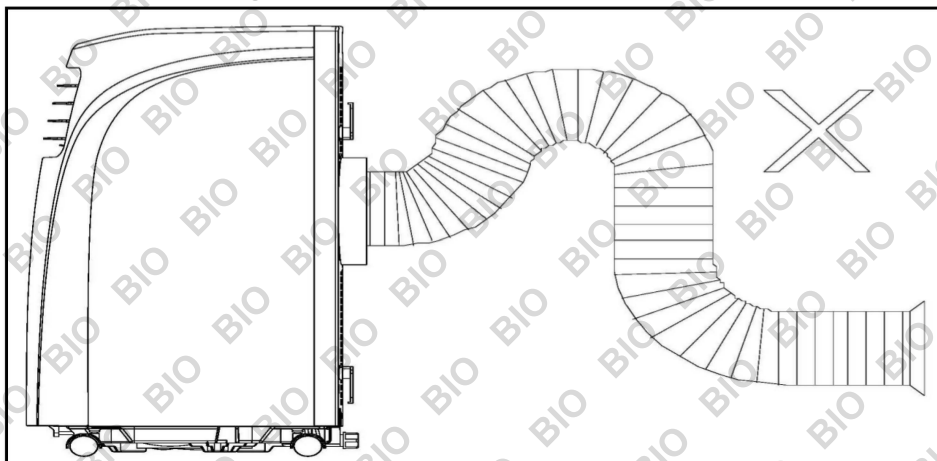
Wall Mounted Exhaust



Correct Tube Bending



Incorrect Tube Bending

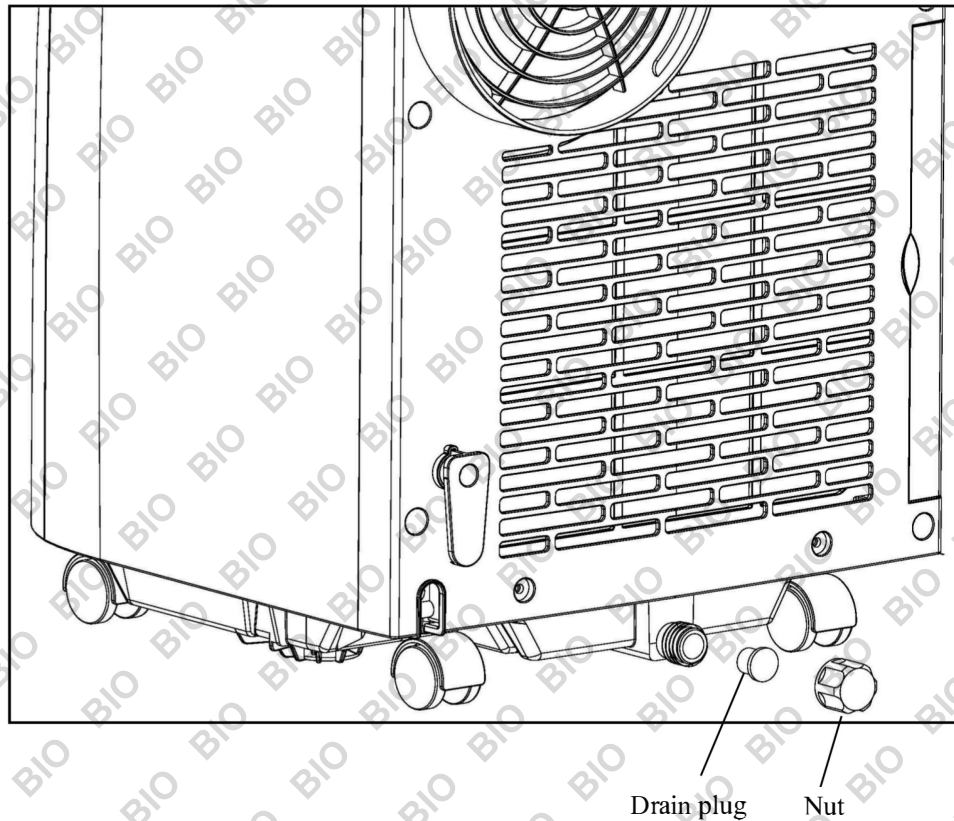


Drainage

When COOL, DEHUMIDIFY or HEAT mode is used in humid weather, condensation may be produced. The Water Full alarm may trigger if the water in the drainage compartment reaches a certain level.

If the Water Full alarm triggers, drain the water from the unit as soon as possible. You can do this by moving the air-conditioner to a location where water can be drained directly, such as a drain, shower, outdoors etc. Unscrew the nut and pull the drain plug out to drain the water.

Reinstall the drain plug and nut before use.



CAUTION: Move the air-conditioner carefully to reduce the chances of water spilling from it.

Maintenance

The air-conditioner is designed to give you dependable service for many years. This section will explain how to clean and care for the air-conditioner properly.

Before performing any maintenance, please turn the air-conditioner off and disconnect it from the electrical supply.

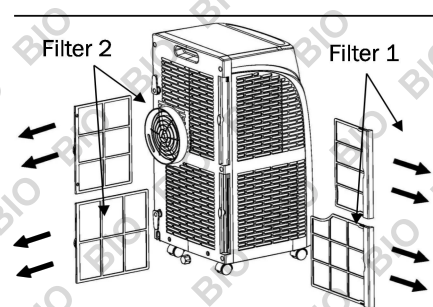
Cleaning the Unit

Clean the surface of the air-conditioner with a duster or soft, damp cloth. Do not use any chemical agents or thinners, as this can cause damage to surfaces.

Cleaning the Air Filters

If the air filters are dusty, the cooling capability will be decreased. Clean the filters every 2 weeks while the air-conditioner is being used.

1. Pull the filters from the unit as shown - filter 1, then filter 2.
2. Place the filters in warm water with a neutral detergent and clean them. Allow the filters to dry in a shady location.
3. Install the filters to their original positions - filter 2, then filter 1.



Storage

When the air-conditioner is not going to be used for an extended period, please follow these storage measures.

1. Drain all of the water from the unit, then set it FAN mode. Press the SPEED button for 5 seconds until the fan operates. Keep the unit running in this mode for 2-3 hours. This will dry the inside of the unit out and prevent mildew.
2. Switch the air-conditioner OFF, then disconnect it from the electrical supply.
3. Wind and fasten the electrical cord.
4. Remove and store the exhaust pipe.
5. Cover the air-conditioner with a plastic bag to keep dust out and store in a dry place.
6. Remove the batteries from the remote control.

Error Codes

The air-conditioner is built with sensors that will detect issues before they cause a malfunction. If the following errors appear on the screen, please refer to the table below.

| Code | Meaning |
|------|--|
| E2 | External temperature sensor fault |
| E3 | Coil sensor fault |
| FL | The air-conditioner water tank is full |

If "DF" is displayed, it means the air-conditioner is in anti-freezing or defrosting mode. This is completely normal and correct behaviour will commence once the function has completed.

Troubleshooting

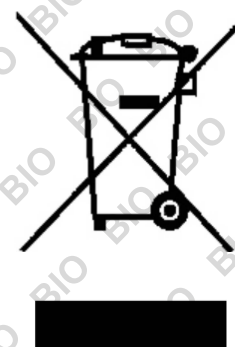
If you experience any issues with the air-conditioner, please refer to this table to see if you can troubleshoot and correct the problem yourself.

| Problem | Possible Cause | Possible Solution |
|---|---|---|
| <i>Air conditioner will not operate at all</i> | Power is not turned on at the wall. | Switch the powerpoint on. |
| | Fuse has burnt out. | Replace the fuse. |
| | Start-up timer has not been triggered. | Wait or delete the original setting. |
| <i>Unit is not starting when pressing ON/OFF</i> | Unit was just recently turned off and the compressor is cooling down. | Wait for three minutes before attempting to start again. |
| | Room temperature is lower than the setting temperature. | Reset the temperature. |
| <i>Air is blowing out, but the cooling isn't very effective</i> | Temperature setting is incorrect. | Set the proper temperature, making sure the temperature set is lower than the ambient temperature. |
| | Air filters are blocked. | Clean the air filters. |
| | Air inlet or outlet is blocked. | Remove the obstacle. |
| | Air-conditioner has been turned on inside a very hot room. | Allow additional time for the air-conditioner to remove all of the heat stored in the room. |
| | Cooling capacity is insufficient | If the room being cooled down is too large the air-conditioner, then it may not have the power required to do the task. |
| | Doors or windows are open. | Close the doors and windows. |
| <i>Noise or vibration</i> | Ground is not level or flat enough. | Move the air-conditioner to a flatter, more level area of flooring. |

If you have further issues with the air-conditioner or these suggested solutions do not help, please contact the customer support team.

Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities. Contact your local government or council for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging health and well-being.





Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.



©2017 Bio Design. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning or recording, or any information storage and retrieval system, without express permission or consent from the publisher.