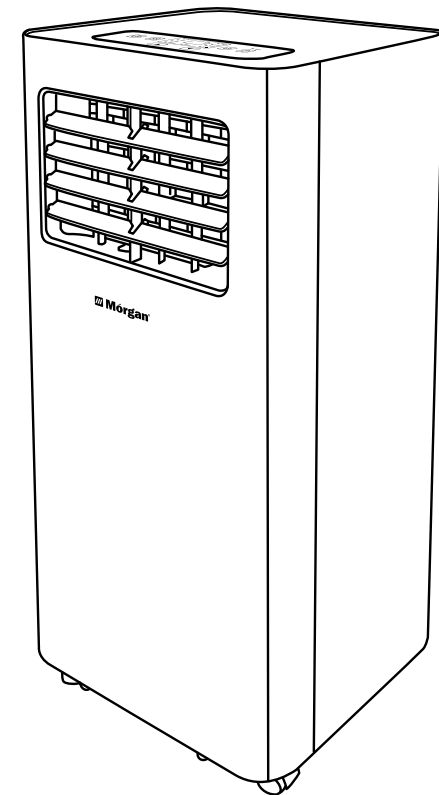


Mórgan®

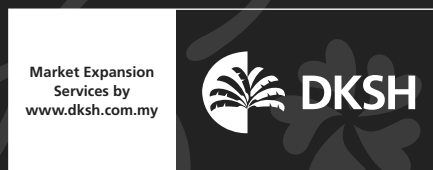
USER MANUAL



Portable Air Conditioner

MAC-093 LITE

Mórgan®



E-mail: electrical.appliance@dksh.com
www.morgan.my

 [facebook.com/morganappliances](https://www.facebook.com/morganappliances)

C O N T E N T S

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Thank you for purchasing a quality MORGAN appliance. We trust that you will have a pleasant experience with your new product. To guarantee safety and best efficiency, please read this manual carefully and keep a copy for future reference

SAFETY PRECAUTIONS

To prevent injuries to the user and damage to property, the following safety precautions must be adhered to at all times. Incorrect operation due to ignorance and negligence of these safety precautions may result in harm and damage, classified by the following indications and symbols.

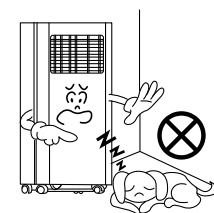


This symbol indicates the possible risks of personal injuries and/or damage to property.

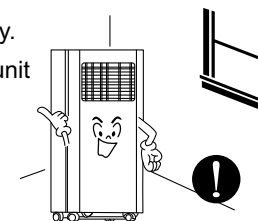


Such instructions are to be followed, for safety and health concerns.

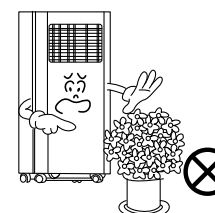
This appliance is only intended for household use. Do not use it for other purposes.



For indoor use only. Please place the unit in a dry location.



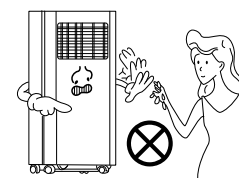
Never stack items or objects around or near the unit to prevent obstruction to air exchange.



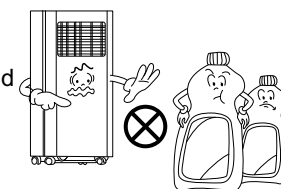
To avoid damages, never place any heavy items on top of the unit.



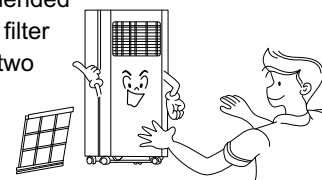
Do not operate the unit with wet hands or when unit is placed in a humid environment.



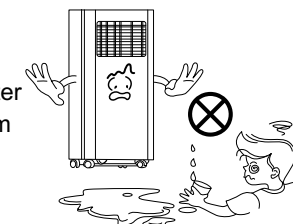
Wipe the machine with a soft cloth, instead of wax, solvents or abrasive detergents.



It is recommended to clean the filter once every two weeks.

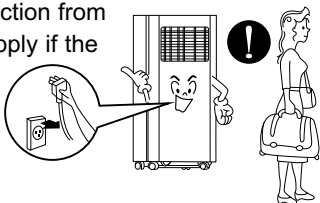


WARNING: Do not drink condensed water discharged from the machine.

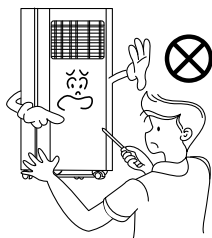


SAFETY PRECAUTIONS

Unplug the power cord and detach connection from the power supply if the unit is not to be used for a long time.

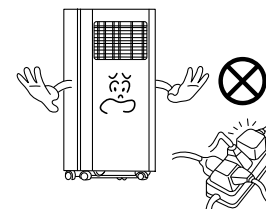


Only technicians or similarly qualified persons are allowed to dismantle or repair the unit.

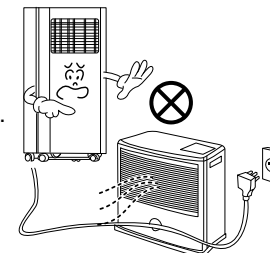


SAFETY WARNINGS

Never overload the power socket.

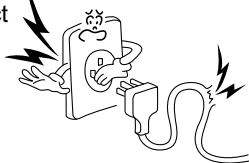


Keep the unit away from heat sources or direct sunlight exposure.

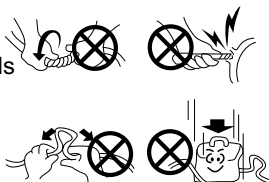


SAFETY WARNINGS

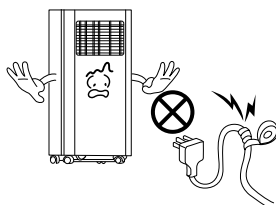
Do not operate the unit with a damaged power cord or power plug. Never connect the power plug into a loose power supply socket.



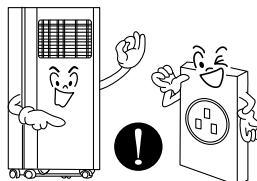
Ensure the voltage indicated on the adapter corresponds to the local power supply voltage before operating the unit.



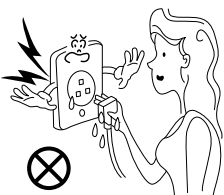
WARNING: Do not modify or extend the power cord.



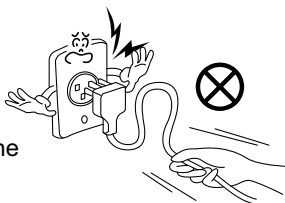
Ensure to use a properly earthed power supply to operate the unit.



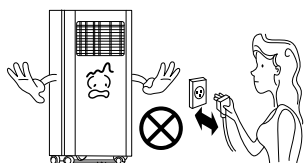
To avoid the risk of electric shocks, never plug/unplug with wet hands.



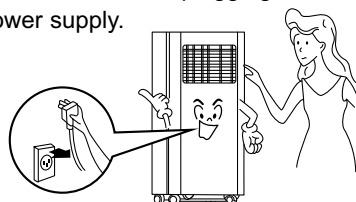
To disconnect from the power supply, pull and detach from the power plug end. Do not forcibly yank on the power cord.



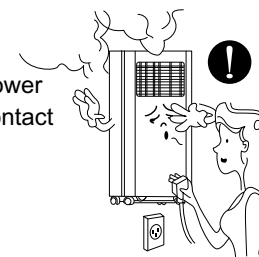
WARNING: Never power on or off the unit by directly plugging/unplugging the power cord from the power supply.



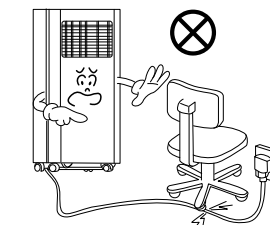
Power off the unit before unplugging from the power supply.



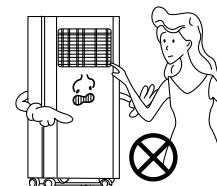
If there is any abnormal noise, odor or smoke, power off the unit and contact your authorized service agent for diagnosis.



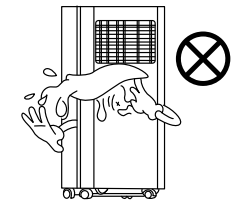
Do not place heavy objects on the power cord to avoid the risk of electric shock or other personal injury.



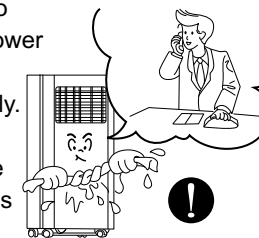
Never insert fingers or any objects into the louvers during operation.



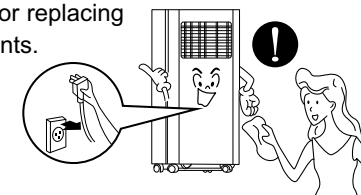
Keep electrical parts away from water.



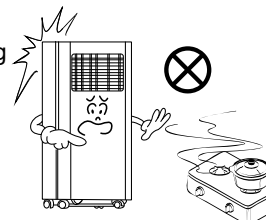
If water enters into electrical parts, power off the unit and unplug immediately. Contact your authorized service agent for diagnosis and repair.



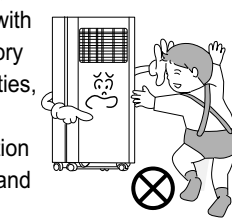
Power off and unplug the unit from the power supply before wiping, cleaning or replacing components.



If gas leakage happens, open the window for ventilation before connecting the unit into the power supply.

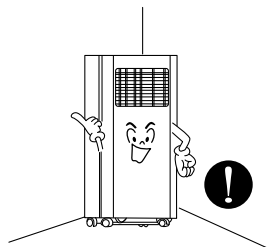


This unit can be used by children of or above 8 years old and persons with reduced physical, sensory or psychological capabilities, if they have been given supervision and instruction concerning proper use and hazards of the unit.

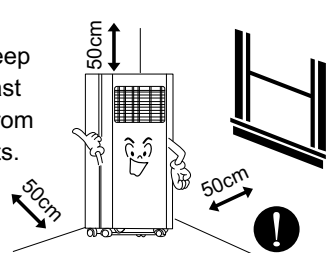


HINTS & TIPS

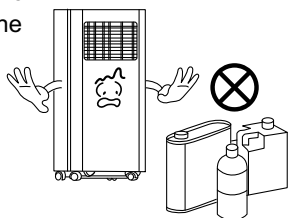
For best operation results, place the unit vertically on an even, stable ground/surface.



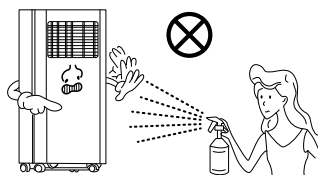
For a proper ventilation, keep the unit at least 50cm away from nearby objects.



Never operate the unit near gasoline or other flammable objects.



Do not spray petroleum-based solvents directly on the unit as the exterior plastic components may deform and electrical parts may even be damaged.

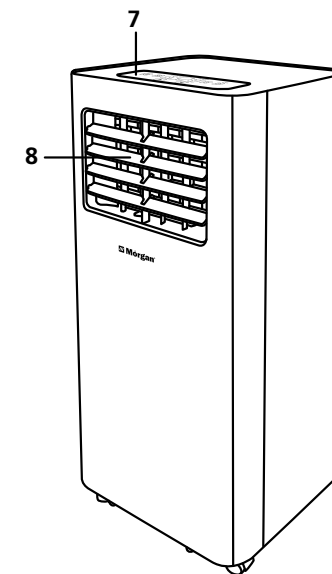
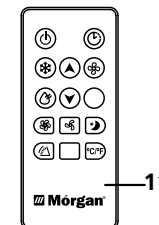
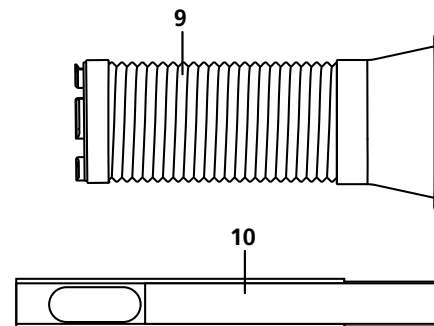
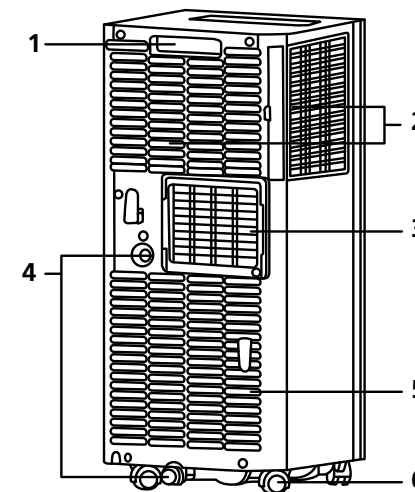


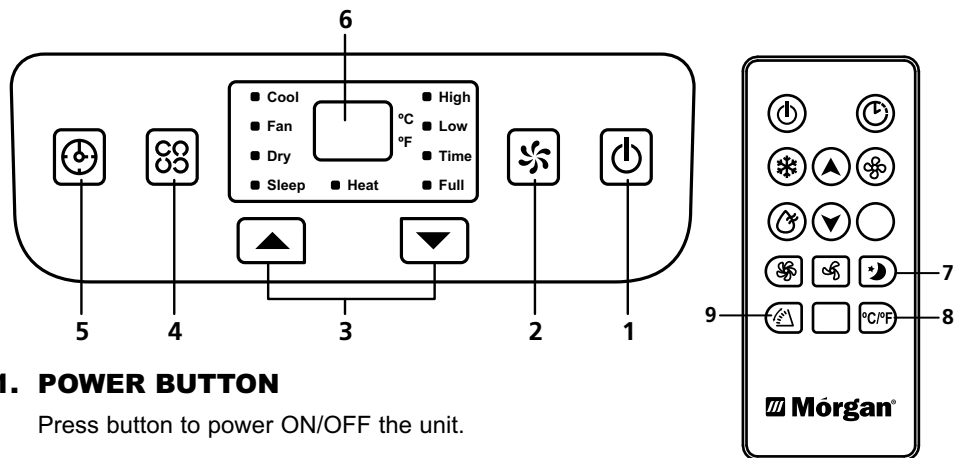
SPECIFICATIONS

MODEL NO.	MAC-093 LITE
RATED VOLTAGE	220-240V~
FREQUENCY	50Hz
COOLING CAPACITY	2600W
COOLING POWER	1100W
REFRIGERANT	R410A/410G

PARTS IDENTIFICATION

1. Handle
2. Air Inlet Grille (Up)
3. Air Outlet Grille
4. Drainage Outlet
5. Air Inlet Grille (Down)
6. Caster
7. Control Panel
8. Louver
9. Exhaust Duct Assembly
10. Window Sealing Plate Assembly
11. Remote Control





1. POWER BUTTON

Press button to power ON/OFF the unit.

2. FAN SPEED BUTTON

Press the key to select from high/low speeds.

3. TEMPERATURE/ TIME ADJUSTING KEY

Press the key at cooling mode to increase/reduce the setting temperature; press it at timing mode to adjust timing ON/OFF time; press Up and Down keys simultaneously to switch Fahrenheit and Centigrade degree temperature.

4. MODE BUTTON

Press key to select between "cooling", "heat", "fan" or "dry" modes

5. TIMER BUTTON

Press the key at standby mode to set ON time. Press the key at ON mode to set OFF time.

6. TEMPERATURE/TIMER DISPLAY PANEL

The display will indicate current temperature and time.

7. SLEEP BUTTON

To activate sleep mode.

8. TEMPERATURE SWITCH BUTTON

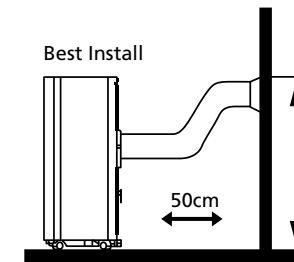
Press this button to switch between °C and °F.

9. SWING BUTTON

After machine turns on, press this key, the louver will swing continuously left and right. Press the button again to stop the movement and for the louver to remain in that position.

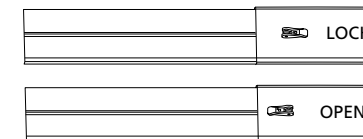
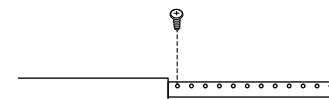
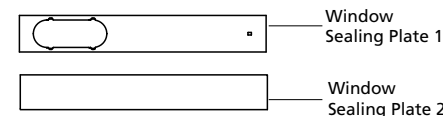
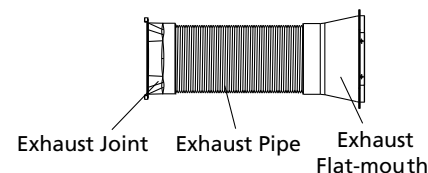
PLACEMENT

- Place the appliance on a flat & sturdy floor, preferably near a window.
- The appliance should be placed at least 50cm away from surrounding objects & the air ventilations must operate unobstructed.



INSTALLATION

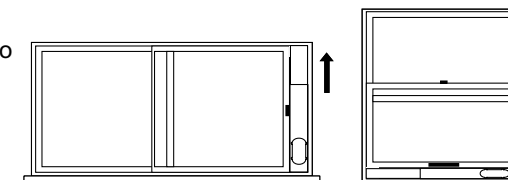
Exhaust pipe assembly



STEP 1:

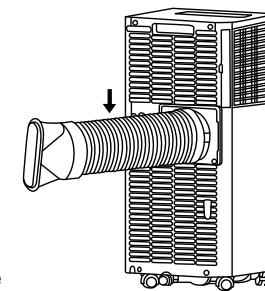
Screw-fixture type

- Measure window size.
- Adjust length of window sealing plate to fit window size.
- Fix the plate with a screw



Clip-fixure Type

- Measure window size.
- Adjust length of window sealing plate to fit window size.
- Once length of window sealing plate is determined, fix it by using the toggle.



STEP 2:

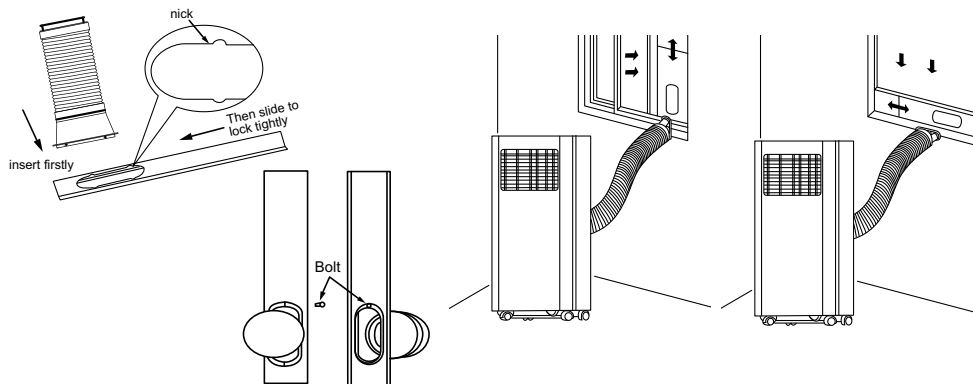
- Install the fixed window sealing plate on the window.

STEP 3:

- Swirl the exhaust pipe assembly (exhaust fitting end) into the rear panel outlet (counterclockwise).

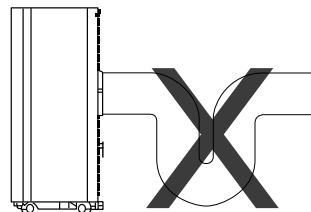
STEP 4:

- Place the exhaust pipe assembly (exhaust flat port) into the window sealing plate assembly & tighten with screws.



INCORRECT INSTALLATION

- Important! Keep the exhaust duct smooth. Incorrect installation will affect work of the A/C.
- Avoid bending or twisting the exhaust duct.
- Ensure air can flow smoothly in the duct.



WARNING:

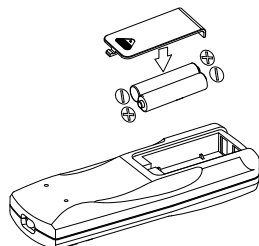
- The exhaust duct is designed exclusively for this model.
- Do not attempt to lengthen, modify or replace it as it will not work.

NOTE: Max. developed length of the exhaust duct is 1,500mm. It is recommended to shorten it and keep it horizontal while installation.

REMOTE CONTROLLER

Install batteries into the remote control before first use:

- Slide to open battery cover on the back of the remote control.
- Insert 2 new AAA batteries into their proper (+) and (-) terminals
- Slide back the battery cover into place.



NOTE:

- Use only AAA batteries. Do not use rechargeable or other types of batteries.
- Do not mix old and new batteries.
- Remove batteries from the remote control if appliance is not to be used for a long time.

WARNING:

- Never use leaked batteries.
- Chemicals in batteries could result in such health hazards such as burns. If battery liquids leak onto skin or clothes, wash with clean water immediately. Rinse mouth immediately and consult a doctor if batteries are swallowed.



COOLING MODE

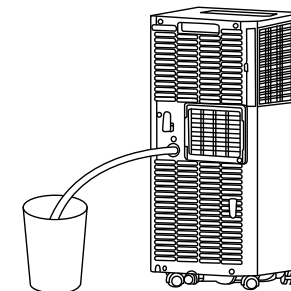
- Under cooling mode, cooling indicator will light on.
- Temperature setting is from 16°C to 30°C.
- Press Fan Speed Button to select from low/high fan speed.

FAN MODE

- Under Fan mode, indicator will be on.
- Press Fan Speed Button to select from low/ high fan speed.
- Temperature cannot be set under Fan mode.

DRY MODE

- Dry indicator will be on under this mode.
- Remove water plug (see right), insert one end of pipe to drainage hose and the other end into the water tank.
- If ambient temperature $\geq 17^{\circ}\text{C}$ (or 62°F) the compressor will start and follow below sequence: if ambient temperature $\leq 15^{\circ}\text{C}$ (or 59°F) the compressor will stop. When it reaches $\geq 17^{\circ}\text{C}$, the compressor will start again (There would be a 3-min delay for Compressor protection).
- Fan runs with a fixed low speed.
- Temperature is fixed.



Notes: Under dry mode, dismantle the air exhaust duct or performance will be affected and the water full alarm "FL" will sound.

TIMER MODE

- In standby mode, press Timer button to set ON time. A range of 0 to 24 Hours could be set by pressing on the UP/DOWN button. Timer indicator will light up in this mode.
- In standby, press Timer button to set OFF time. A range of 0 to 24 Hours could be set by pressing the UP/DOWN button. Timer indicator will light up in this mode.

DRAINAGE

The self-evaporative system will help the unit perform better and save energy by cooling down the condenser by reusing condensed water.

The unit will display "FL" with a buzzing sound, if built-in water container is full. After the compressor stops operation, drain water as follows:

- Unplug and dismantle air exhaust duct; Move the appliance to a right place;
- Detach the water plug on the drainage outlet and drain all water.
- Re-insert the water plug.
- Re-install the air exhaust duct, restart the appliance.

MAINTENANCE

WARNING:

Always power off and disconnect from the power supply before commencing with maintenance.

Cleaning the exterior

- Unplug before cleaning.
- Clean with soft and moist cloth. Never use chemical cleansers such as benzene, alcohol and gasoline as these can damage the exterior finishing.
- Do not splash water as these can damage the inner parts.

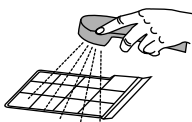
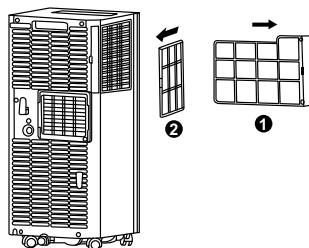
Cleaning the filter

Clean the filter once every two weeks. Frequent cleaning is required if indoor air quality is bad, as operating performance can be affected. Follow below instructions for cleaning the filter:

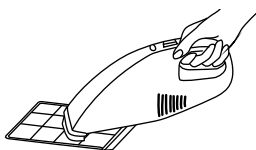
- Detach the air-inlet grille as indicated in the illustration.
- Wash the filter in 40 °C warm water or water with neutral detergent.
- Dry the filter in a cool place.
- Reinstall the filter and grille and restart the appliance.

WARNING:

- Do not wash filter in hot water above 40 °C.
- Do not use abrasive solvents such as alcohol, gasoline and benzene.
- In case of deformation, keep filters away from heat sources and dry naturally in a cool place.
- Warning: Never operate the unit without the filter installed.



If filter is dirty, clean in 40°C warm water or in water with neutral detergent.



Use a vacuum cleaner to clean if it is only slightly dirty

PERIODIC MAINTENANCE

For maintaining the unit that is not to be used for a long time.

- Detach the water plug to drain any remaining water.
- Run in Fan mode for at least 2 hours to dry internal parts. Power off and disconnect from the power supply.
- Clean the filter and reinstall.
- Dismantle the air exhaust duct and store it in a cool place.
- Remove batteries.
- Wrap the unit in a plastic bag and keep in a dry and cool place.

If the unit has not been used for a long time, please pay attention to the following when operating again:

- Ensure water plug and filter are installed.
- Inspect power cord and plug before connecting to power supply.
- Insert batteries into the remote control.
- Assemble other parts according to the user manual.

COMMON ERRORS & DIAGNOSIS

ERROR CODE	POSSIBLE CAUSES
E1	Coil temperature sensor error
E2	Indoor temperature sensor error
E4	Anti-freezing protection: coil temperature is too low resulting in appliance powering off. When temperature exceeds 8°C, the protection will deactivate & operation will resume.

TROUBLESHOOTING

The following table lists the common faults and maintenance methods of this portable aircon series. Contact an authorized service technician if the following troubleshooting guide does not address the issue(s).

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Aircon not functioning	<ul style="list-style-type: none"> • Appliance not connected to power supply. • Display panel shows "FL" • Timer OFF function activated. 	<ul style="list-style-type: none"> • Connect appliance to power supply. • Drain excess water, restart & resume operation. • Restart 3 minutes after power off.
Aircon starts frequently	<ul style="list-style-type: none"> • Appliance exposed to direct sunlight. • Doors & windows ajar with too many heat sources. • Dirty filter screen. • Air inlet/outlet obstructed. 	<ul style="list-style-type: none"> • Draw curtains. • Close doors & windows & remove heat source(s). • Clean or replace air filter. • Remove obstruction.
Noisy operation	<ul style="list-style-type: none"> • Appliance placed on uneven surface. 	<ul style="list-style-type: none"> • Reposition appliance on even & stable surface.
Compressor not functioning	<ul style="list-style-type: none"> • Delay protection activated. 	<ul style="list-style-type: none"> • Wait 3 minutes for temperature to decrease & power on.

NOTE: POWER OFF appliance & contact your authorized service agent in case problem still persists after performing troubleshooting.