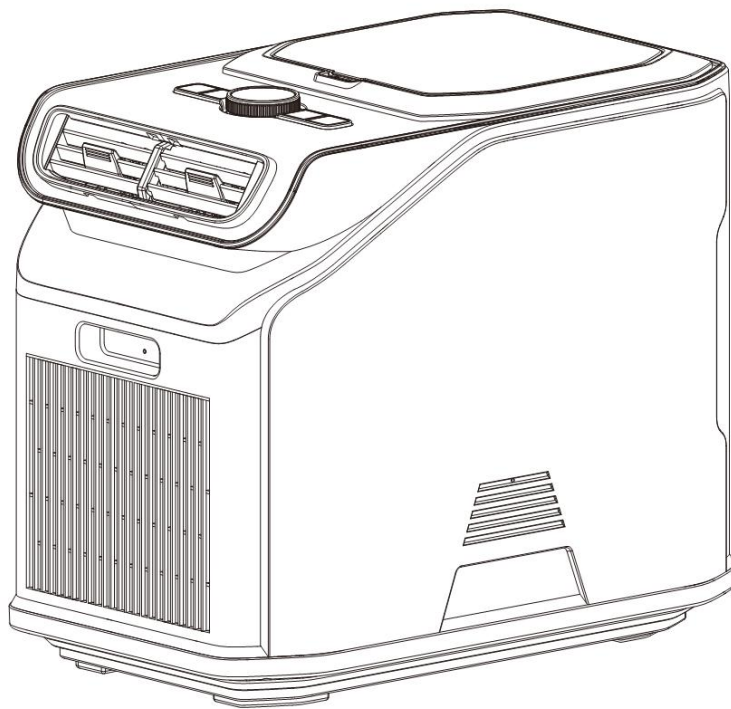


# Portable Air Conditioner

## QN800



User Manual

# SAFETY GUIDELINES



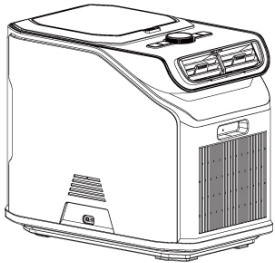
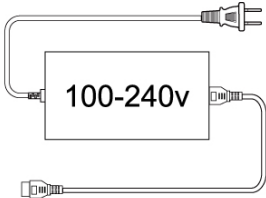
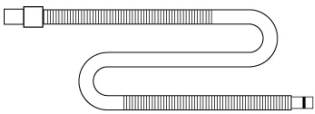


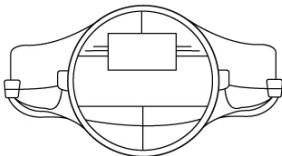
This manual includes important safety instructions to use and maintenance the air conditioner correctly to prevent personal injury or property damage. Please read the manual thoroughly (including symbols and icons), and be sure to operate the air conditioner safely.

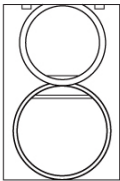

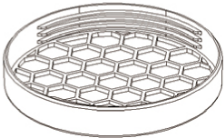
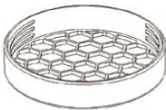
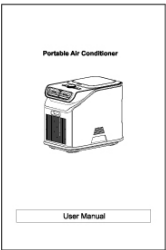
1. It is prohibited to disassemble this product in any way.
2. Do not allow persons with reduced physical, sensory or mental abilities or lack of experience and knowledge (including children) to use the appliance unless they are supervised or instructed.
3. Please turn off the power before cleaning or repairing.
4. Do not install this product to the place where flammable gases are exposed, which may cause fire if flammable gas accumulates.
5. Do not cover the power cord with a carpet or similar covering, do not place the power cord under furniture or other appliances, and place the power cord where it will not be tripped over.
6. Please turn off this product in case of thunderstorms when using it outdoors, to avoid damage due to lightning strikes.
7. It is strictly prohibited to block or obstruct the inlet or outlet of this product when it is operating.
8. Keep the inlets and outlets of the appliance at least 0.5 m away from any walls and other obstructions that interfere with the air inlet and outlet.
9. Please install this product on a solid surface, to avoid damage or excessive noise and vibration.
10. Avoid impacts, falling, dropping or strong vibrations. In the case of severe external impact, please turn off the power immediately and stop using the product. Keep the product properly secured during transport to avoid vibration and impact.
11. Must be installed according to the instructions. Improper installation can cause water ingress, leakage, electric shock or fire.
12. Only use the included accessories and tools for installation. Non-standard accessories may cause water leakage, electric shock, fire, injury or property damage.
13. Make sure the outlet you are using is grounded and in proper voltage. Providing a power cord with a three-prong grounded plug to prevent electric shock.
14. It is forbidden to replace the power cord without authorization. Improper use of the power cord may cause fire or electric shock.
15. If the power cable is damaged, it must be replaced by the manufacturer, customer service agent in order to avoid hazards.

## Precautions for fluorinated gases

- 1.This product is a sealed unit filled with fluorinated gas. For information on specific gas types and quantities, refer to the relevant label on the equipment.
  - 2.This equipment does not support users to add refrigerant by themselves;
  - 3.The maintenance or repair of this device must be operated by certified technicians;
- Please put this product apart from domestic garbage after it is scrapped. The scrap must comply with the local garbage disposal regulations. Before scrapping, the power cord must be cut off to prevent the device from being used again.

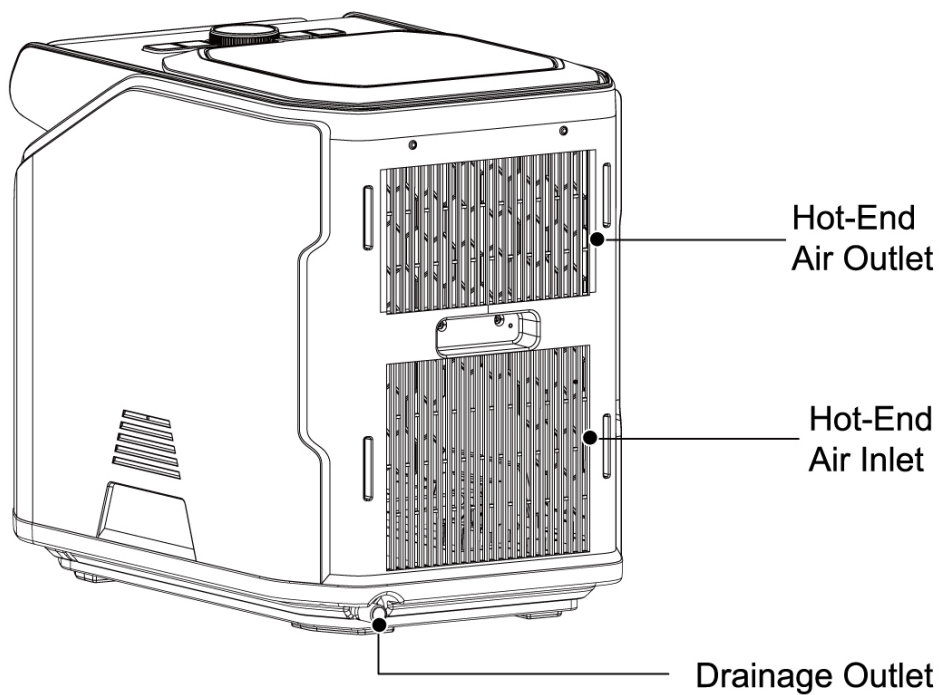
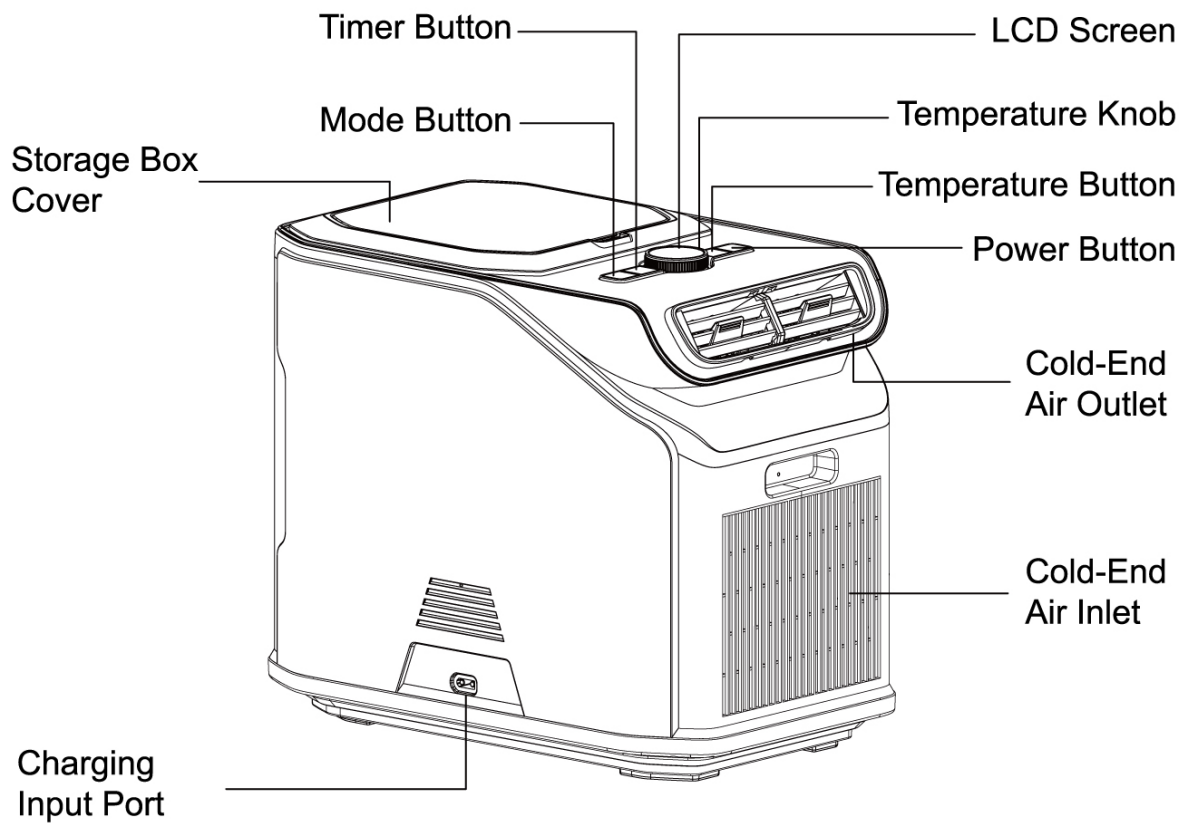
## WHAT'S IN THE BOX

NO.	PICTURE	NAME	QTY
1		Portable Air Conditioner	1
2		48V Adapter 100-240v 50/60hz	1
3		Drain Hose 100cm Length	1
4		Cold/Hot Air Duct 13cm Diameter 150cm Length	1
5		Hot Air Duct 16cm Diameter 150cm Length	1
6		Cold-end Outlet Shroud	1

7		Hot-end Outlet Shroud	1
8		Remote Controller	1
9		Large Duct Grille	1
10		Small Duct Grille	1
11		User Manual	1

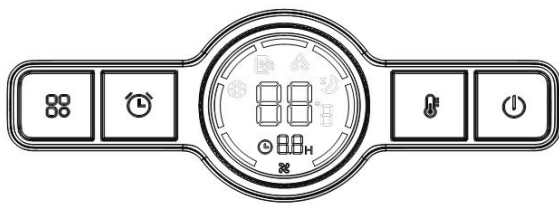
# GETTING STARTED

## 1 Description of Appearance

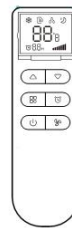




## 2 Operating Guidelines



Buttons Panel



Remote Controller

### **Switch ON/OFF:**

After power on, long press the button 3s on the panel to switch on/off the device. Short press on the remote control to switch on/off.

### **Setting the temperature:**

After power on, short press the temperature button. The temperature icon and the temperature will flash to indicate that you have entered the temperature adjustment interface. Turn the dial Counter-clockwise to decrease the temperature and clockwise to increase the temperature between 61~88°F/16~31°C.



Counter-clockwise to decrease the temperature




Clockwise to increase the temperature

### **Icons on the LCD Screen:**


After power on, turn the dial to adjust the air volume by default (7-level air volume), the LCD screen will automatically switch off if left idle for 5 minutes without any activity. Turn the dial or press any button to activate the LCD screen display (only activate the screen without triggering any operations).

### **Setting the Operating Mode:**

1, After the air conditioner is switch on, short press the button on the panel to enter the mode adjustment interface, the mode on the LCD screen is flashing. Turn the dial to change the modes: cooling, fan, dehumidification and sleep.

2. After the air conditioner is switched on, short press the button on the remote controller to enter the mode adjustment interface, the mode on the LCD screen is flashing. Press the  to change the modes: cooling, fan, dehumidification and sleep.

Cooling mode: the fan speed is adjustable, temperature can be set between 61~88°F / 16~31°C.

Fan mode: Turn the dial to change the fan speed (Press the button  on the remote controller)


Dehumidification: Operating at the lowest fan speed, the temperature and fan speed are not adjustable, which can fully remove the humidity in the air.

Sleep mode: Cooling at a low power consumption.

## Setting the Timer:

In the state of power on or off, the timer button can also be operated. However the timer can only be set at the remote controller when the air conditioner is power on.

If the timer is set when the air conditioner is power on, it automatically shuts down at the set time; If the time is set when the air conditioner is power off, it automatically turns on at the set time.

Short press the timer button. The timer icon and time will flash to indicate that you have entered the timer adjustment interface. Turn the dial ( Press the button  on the remote controller) to adjust the time — turn clockwise to increase the time or counter-clockwise to decrease the time. (0.5H as a unit, up to 8 hours) ; If the timer is changed during operation, the system will run according to the latest time, but it will calculate the time that has already been running.





Turn clockwise to increase the time



Counter-clockwise to decrease the time

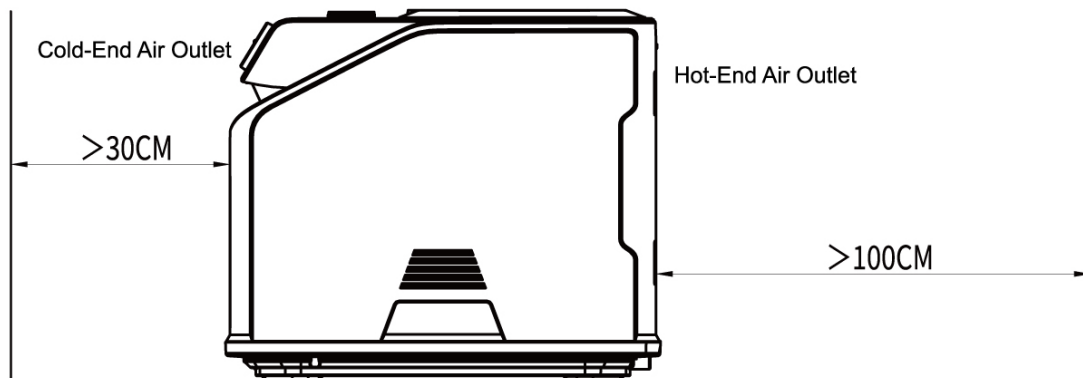
## Setting the Temperature Unit °C/°F

1. After the air conditioner is switched on, press and hold the mode button  for 2s to enter the temperature unit °C/°F adjustment interface. The temperature unit icon will flash to indicate the current temperature unit. Short press the mode button to switch the unit between °C/°F.

2. After the air conditioner is switched on, press the button  on the remote controller at the same time for 2s to switch the unit between °C/°F.

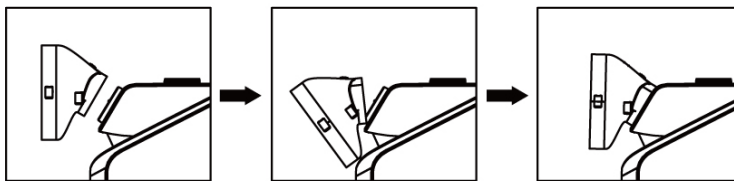
### 3 Placement Guide

After long-distance transportation, before use it for the first time, please place it flat for more than 30 minutes. Reserve enough heat dissipation space forth and back, as shown in the figure below.

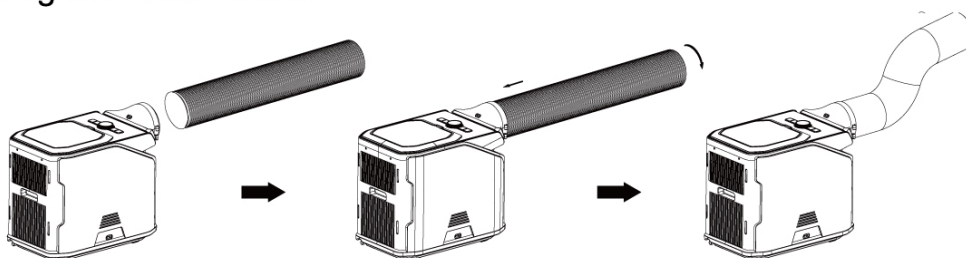


## INSTALLATION

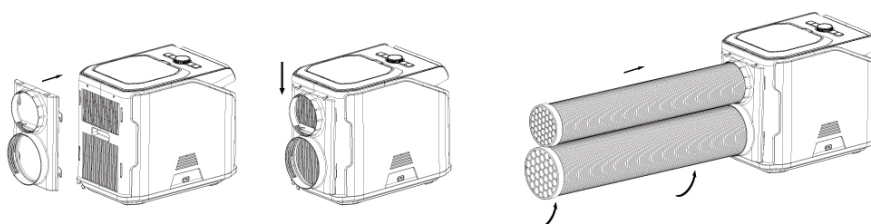
Installing the cold-end fan shroud and duct.



Installing ventilation ducts.

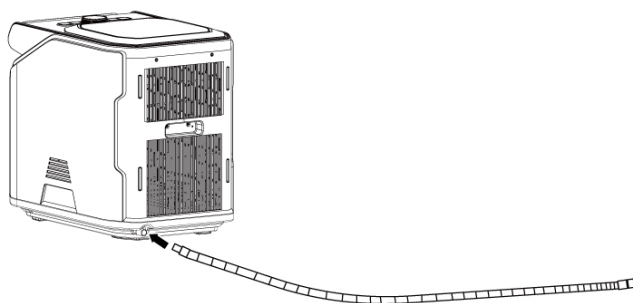


Installing the hot-end fan shroud and duct





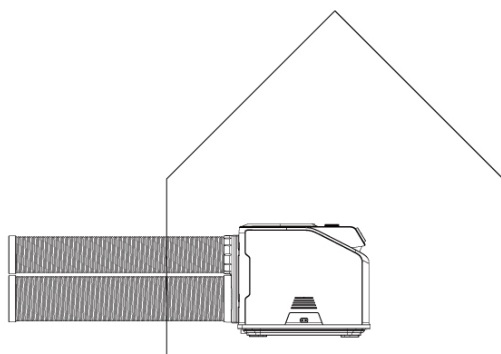
Insert the drainage tube



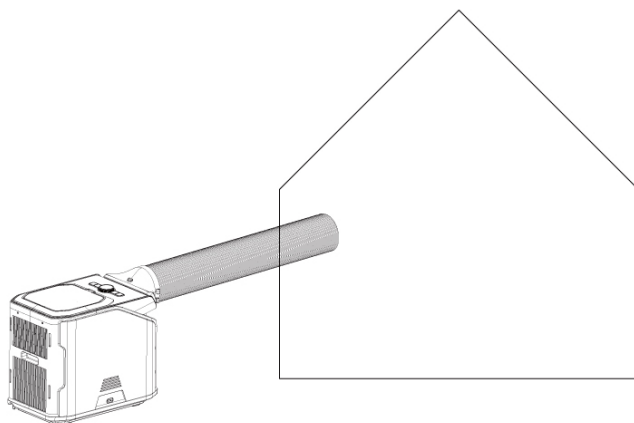
## USE SCENARIOS

### Tent

1. Place inside the tent with the hot air vent and drain tube directed outside the tent



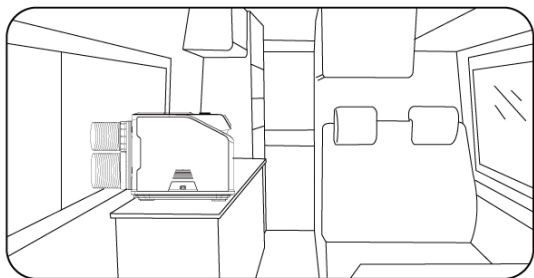
2. Place outside the tent with the cold air vent directed into the tent



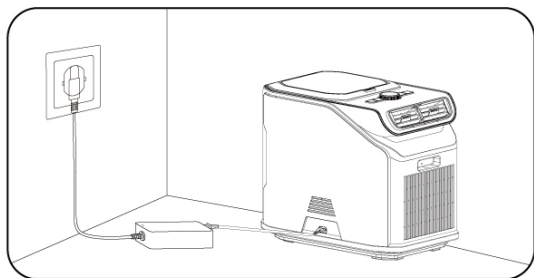
### Recommendations:

- Pay attention to the insulation of the tent. If the tent has poor insulation, please cover the tent with a heat-insulating mat.
- Pay attention to sealing, tents with ventilation holes, so please close or cover the ventilation holes.
- Pay attention to sunshade, you can use awnings to cover tents.
- If the tent is large which exceeds the space cooling of air conditioner, please add another air conditioner, or create a small cooling space inside the tent with a cloth partition.

RV



Indoors/kitchen

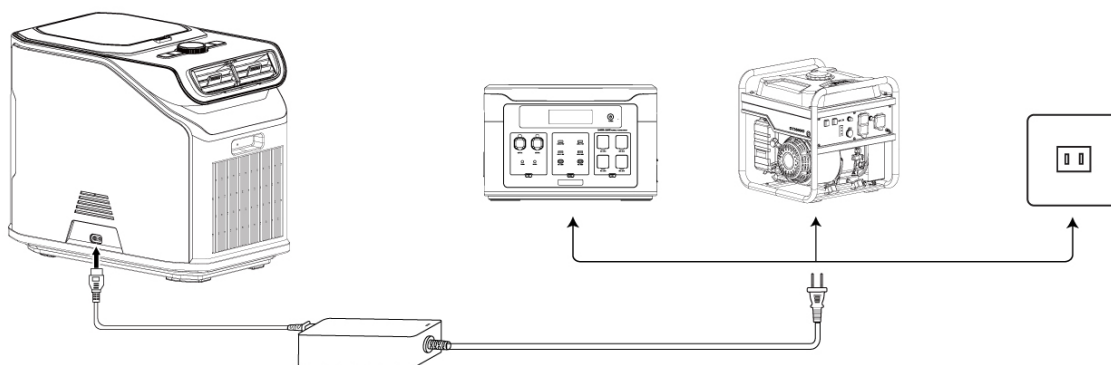


## POWER SUPPLY

1. Connected to AC power with the original power adapter

The original adapter specifications: input voltage: AC 100-240V ~ 50-60Hz, output voltage: DC 48V.

2. Connecting with Power Station, the battery must meet the voltage DC 48V and at least 11.5A current.

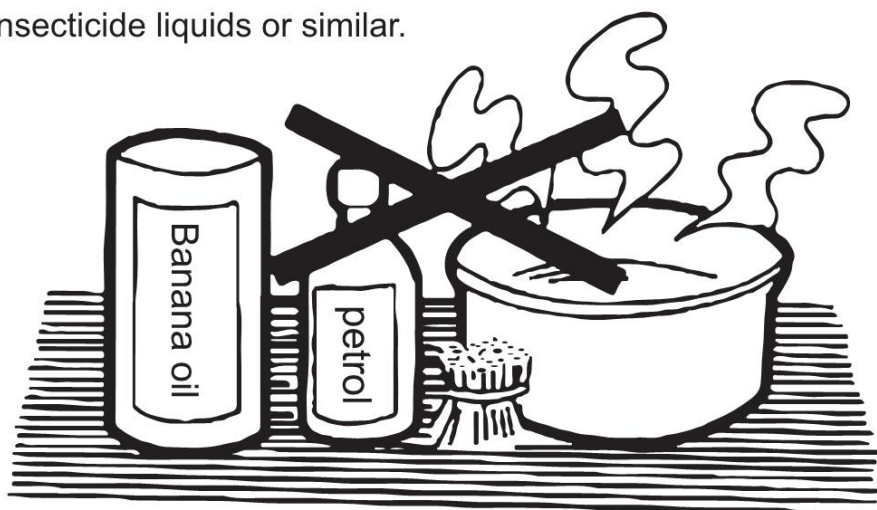


## CARE INSTRUCTIONS

- Before cleaning or maintenance, turn the appliance off. Wait for a few minutes then unplug from the electrical outlet.
- Clean the appliance with a slightly damp cloth then dry with a dry cloth.

Plastic parts maintenance:



- To protect the air conditioner, it must be kept clean, and try to avoid oil stain and deformation. If the oil is attached to the plastic parts for a long time, the plastic parts will be aging, cracking and smell. Therefore, we should clean it regularly.
- Never wash the air conditioner with water to prevent the electrical insulation from reducing and rusting.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray insecticide liquids or similar.



## TROUBLESHOOTING

1. The unit does not cool, please check whether the air inlet and outlet are blocked. When using the air duct, check whether the duct is excessively bent or blocked, which will cause the compressor overheat and stop for protection. We recommend turn off the air conditioner and switch on the device after 15 minutes.

2. The remote controller does not work: 1. Do not exceed the remote controller distance (32 Feet/10m). 2. Check whether the remote controller is damaged. 3. Replace the battery of the remote controller. 4. Pairing the remote controller.

After the air conditioner is switch on, long press the button  +  2s to enter the pair of the remote controller, and the LCD screen is bright and flashing. Press any button on the remote controller after it is turned on, and after the button board receives it successfully, the display board will save the address of the remote controller and exit the pairing mode.

<b>Errors</b>	<b>Error Code</b>	<b>Analysis of cause</b>	<b>Troubleshooting</b>
Low voltage protection	P1	The voltage is lower than 41V	Increase the voltage value or replace a suitable power supply
Over voltage protection	P2	The voltage is higher than 56V	Decrease the voltage value or replace a suitable power supply
The compressor is not running	P3	There is a fault with the compressor	Turn off for a while and restart, if the problem remains, please contact after-sales customer service
Overcurrent protection	P4	The operating current of the compressor exceeds the limit value	Turn off for a while and restart, if the problem remains, please contact after-sales customer service
MOS Tube temperature protection	P5	The board is overheating	Overheating protection, please avoid to run it at high temperature for a long time.
Cold-End Air Inlet NTC Error	P6	Cold-End Air Inlet NTC Error	Need to replace the sensor
Hot-End Air Inlet Overheat	P7	Hot-End Air Inlet temperature higher than 185°F for 5 mins	Overheating protection, it will recover after the temperature is lower than 140°F, switch off for a while and switch it on.
Temperature sensor failure	E1	Temperature sensor short circuit or open circuit	Check whether the internal terminals are loose, please contact after-sales customer service



## SPECIFICATION

### Portable Air Conditioner

Model Number	QN800	Cooling temperature settings	61~88°F/16~31°C
Refrigerant	R290	Cooling capacity	1758W/6000BTU
Rated Voltage	100-240V 50/60hz, DC 48V	Rated Current	11.5 A
Rated Power	550W	Dimensions	21.85*14.76*23.62Inches/ 55.5*37.5*60CM
Net Weight	30.4lb/13.8KG	Gross Weight	44lb/20KG
Store Temperature	-104~158°F/ -40~70°C	Working Temperature	50~109°F/10~43°C

## CUSTOMER SERVICE

### IMPORTANT

- 1, The warranty commences the day the product is purchased and covers up to a period of 1 year (12 months).
- 2, The specifications of this product are subject to change without notice.
- 3, This product may be discontinued due to the discontinuation of electronic components.
- 4, If you have a problem with this product, please contact the Customer

DATED PROOF OF PURCHASE MODEL # ORDER ID .

We'll get back to you as soon as possible. Thank you so much!