

Before using your air conditioner, please read
this manual carefully and keep it for future reference.

INVERTER ONE-TWO/ ONE-THREE/ ONE-FOUR/ ONE-FIVE SPLIT-TYPE

ROOM AIR CONDITIONER

USER'S MANUAL

Read This Manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventative care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review the chart of Troubleshooting Tips first, you may not need to call for service.

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CAUTION

- Contact an authorised service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or invalids without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation work must be performed in accordance with the national wiring standards by authorised personnel only.

SOCIABLE REMARK

When using this air conditioner in the European countries, the follow information must be followed:

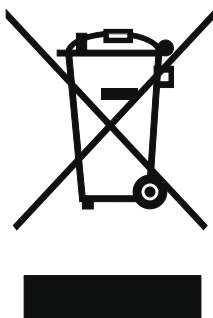
DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

It is prohibited to dispose of this appliance in domestic household waste.

For disposal, there are several possibilities:

- A) The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.
- B) When buying a new product, the retailer will take back the old product at least free of charge.
- C) The manufacture will take back the old appliance for disposal at least free of charge to the user.
- D) As old products contain valuable resources, they can be sold to scrap metal dealers.



Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.





SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

- The seriousness is classified by the following indications.

 WARNING	This symbol indicates the possibility of death or serious injury.
 CAUTION	This symbol indicates the possibility of injury or damage to property.

- Meanings of symbols used in this manual are as shown below.

	Never do this.
	Always do this.

WARNING

① **Connect with the power properly.**

- Otherwise, it may cause electric shock or fire due to excess heat generation.

⊘ **Do not operate or stop the unit by switching on or off the power.**

- It may cause electric shock or fire due to heat generation.

⊘ **Do not damage or use an unspecified power cord.**

- It may cause electric shock or fire.

⊘ **Do not modify power cord length or share the outlet with other appliances**

- It may cause electric shock or fire due to heat generation.

⊘ **Do not operate with wet hands or in damp environment.**

- It may cause electric shock.

⊘ **Do not direct airflow at room occupants only.**

- This could damage your health.

① **Always ensure effective grounding.**

- No grounding may cause electric shock.

⊘ **Do not allow water to run into electric parts.**

- It may cause failure of machine or electric shock.

① **Always install circuit breaker and a dedicated power circuit.**

- No installation may cause fire and electric shock.

① **Disconnect the power if strange sounds, smell, or smoke comes from it.**

- It may cause fire and electric shock.

⊘ **Do not drink water drained from air conditioner.**

- It contains contaminants and could make you sick.

⊘ **Do not open the unit during operation.**

- It may cause electric shock.

① **Use the correctly rated breaker or fuse.**

- There is risk of fire or electric shock.

⊘ **Do not use the power cord close to heating appliances**

- It may cause fire and electric shock.

⊘ **Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.**

- It may cause an explosion or fire.

① **Ventilate room before operating air conditioner if there is a gas leakage from another appliance.**

- It may cause explosion, fire and, burns.

⊘ **Do not disassemble or modify unit.**

- It may cause failure and electric shock.

SAFETY PRECAUTIONS

CAUTION

ⓘ When the air filter is to be removed, do not touch the metal parts of the unit.

- It may cause an injury.

ⓘ When the unit is to be cleaned, switch off, and turn off the circuit breaker.

- Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.

ⓘ Stop operation and close the window in storm or hurricane.

- Operation with windows opened may cause wetting of indoor and soaking of household furniture.

ⓘ Do not use strong detergent such as wax or thinner. Use a soft cloth for cleaning.

- Appearance may be deteriorated due to change of product color or scratching of its surface.

ⓘ Do not place heavy object on the power cord and take care so that the cord is not compressed.

- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.

ⓘ 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 clean the air conditioner with water.

- Water may enter the unit and degrade the insulation. It may cause an electric shock.

ⓘ Do not put a pet or house plant where it will be exposed to direct air flow.

- This could injure the pet or plant.

ⓘ Do not place obstacles around air-inlets or inside of air-outlet.

- It may cause failure of appliance or accident.

ⓘ Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure.

- If bracket is damaged, there is concern of damage due to falling of unit.

ⓘ Use caution when unpacking and installing. Sharp edges could cause injury.

- Children should be supervised to ensure that they do not play with the appliance.

ⓘ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

ⓘ Ventilate the room well when used together with a stove, etc.

- An oxygen shortage may occur.

ⓘ Do not use for special purposes.

- Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.

ⓘ Turn off the main power switch when not using the unit for a long time.

- It may cause failure of product or fire.

ⓘ Always insert the filters securely. Clean filter once every two weeks.

- Operation without filters may cause failure.

ⓘ If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.

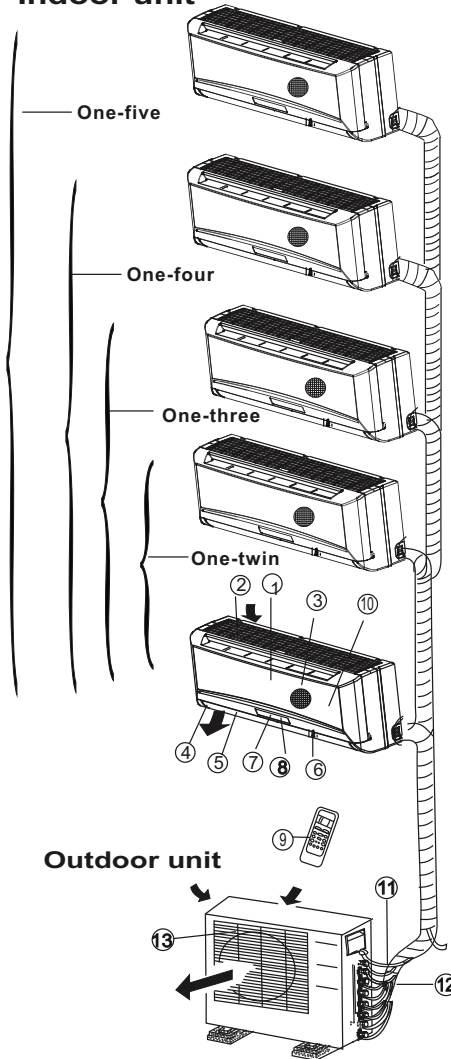
- There is danger of fire or electric shock.

ⓘ 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.

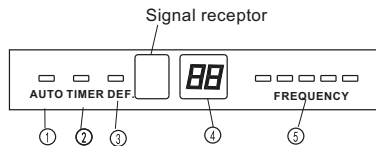
OPERATING INSTRUCTIONS

Identification of parts

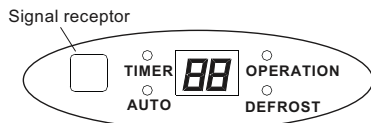
Indoor unit



LED Display panel



(1)



(2)

IMPORTANT:

- For multi-split type air conditioner, one outdoor unit can match different types of indoor units. So all the pictures in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.
- The following pages introduce several kinds of indoor units matching with the outdoor units.

Indoor unit

1. Front panel
2. Top air intake
3. Air filter(Inside)
4. Air outlet
5. Horizontal air flow louver
6. Vertical air flow louver(Internal)
7. Display panel
8. LED display window
9. Remote controller
10. Manual control button(Behind the front panel)

Outdoor unit

11. Refrigerant connecting pipe, drain hose and electric wiring
12. Stop valve
13. Air outlet

Display panel

AUTO indication lamp

Lights up during the Auto operation.

TIMER indication lamp

Lights up during Timer operation.

DEFROST indication lamp

(For Cooling & Heating models only):
Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.

DIGITAL DISPLAY indication lamp

Displays the current setting temperature. Only when the air conditioner is in FAN operation, it displays the actual room temperature. And displays the malfunction code or protection code.

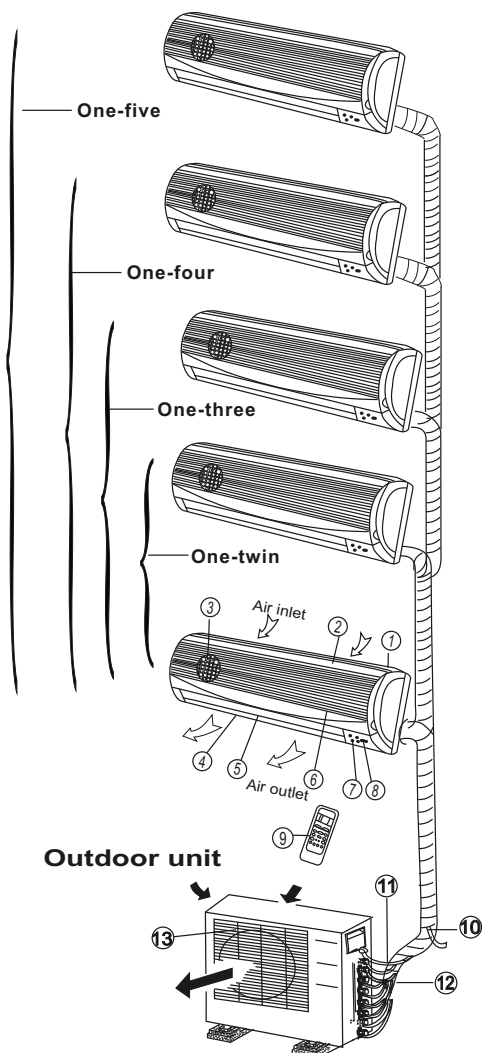
OPERATION indication lamp

This indicator appears only when the compressor is in operation and indicates the current operating frequency.

OPERATING INSTRUCTIONS

Identification of parts

Indoor unit



Outdoor unit

Indoor unit

- ① Front panel frame
- ② Front panel
- ③ Air filter
- ④ Horizontal air flow grille
- ⑤ Vertical air flow louver
- ⑥ Room temperature sensor
- ⑦ Display panel
- ⑧ Infrared signal receiver
- ⑨ Remote controller

Outdoor unit

- ⑩ Drain hose, refrigerant connecting pipe
- ⑪ Connective cable
- ⑫ Stop valve
- ⑬ Fan hood

DISPLAY PANEL

OPERATION indicator:

The indicator flashes once every second after power is on and illuminates when the air conditioner is in operation.

TIMER indicator:

The indicator illuminates when TIMER is set ON.

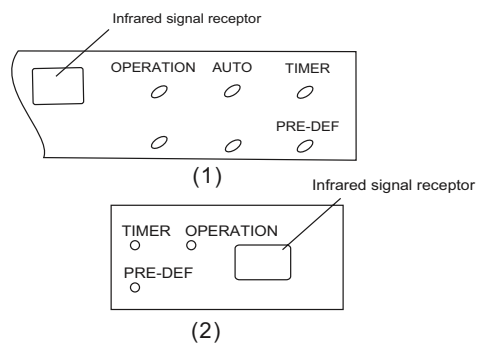
PRE-DEF. Indicator (For cooling& heating model only):

This indicator illuminates when the air conditioner starts defrosting automatically or when the Anti-cold air function is activated in heating operation.

AUTO indicator:

This indicator flashes when the air conditioner is in AUTO operation.

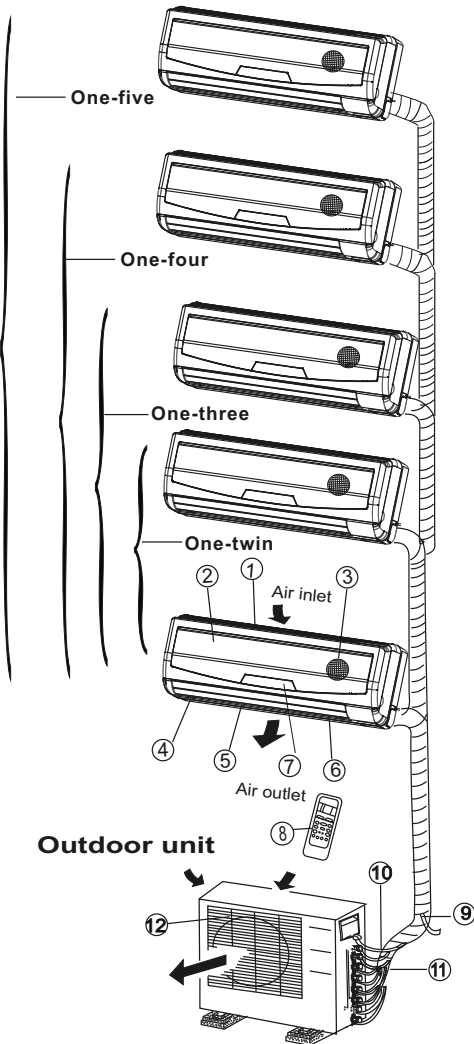
DISPLAY PANEL



OPERATING INSTRUCTIONS

Identification of parts

Indoor unit



Indoor unit

- ① Front panel frame
- ② Front panel
- ③ Air filter
- ④ Horizontal air flow grille
- ⑤ Vertical air flow louver
- ⑥ Room temperature sensor
- ⑦ Display panel
- ⑧ Remote controller

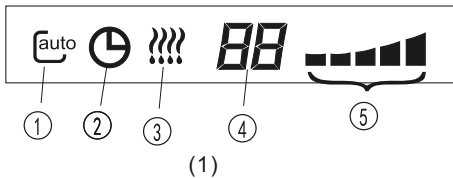
Outdoor unit

- ⑨ Drain hose, refrigerant connecting pipe
- ⑩ Connective cable
- ⑪ Stop valve
- ⑫ Fan hood

LED DISPLAY WINDOW

- ① **AUTO indication lamp**
Lights up during the Auto operation.
- ② **TIMER indication lamp**
Lights up during Timer operation.
- ③ **DEFROST indication lamp**
(For Cooling & Heating models only):
Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.
- ④ **DIGITAL DISPLAY indication lamp**
Displays the current setting temperature. Only when the air conditioner is in FAN operation, it displays the actual room temperature. And displays the malfunction code or protection code.
- ⑤ **OPERATION indication lamp**
This indicator appears only when the compressor is in operation and indicates the current operating frequency.

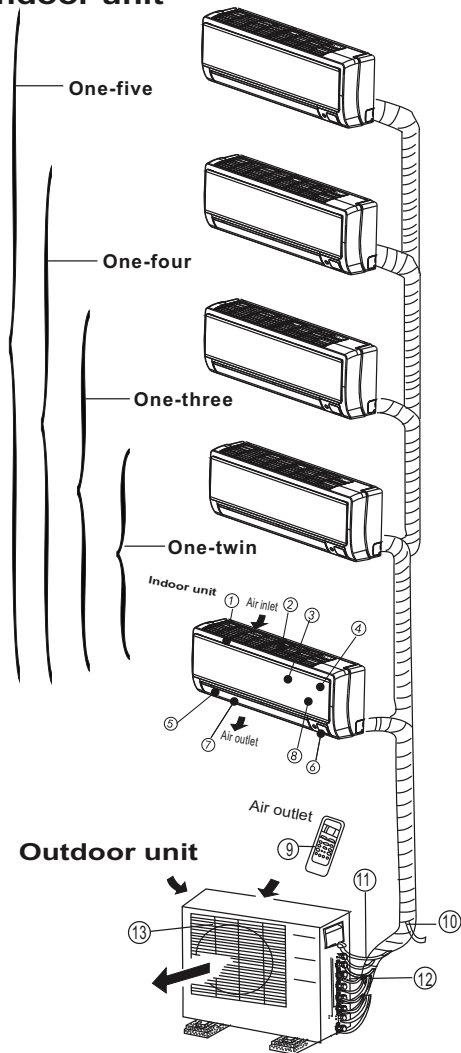
LED Display window



OPERATING INSTRUCTIONS

Identification of parts

Indoor unit



Indoor unit

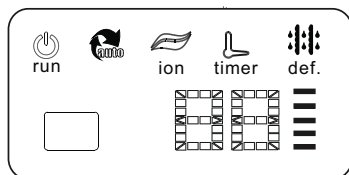
1. Panel frame
2. Rear air intake grille
3. Front panel
4. Air Purifying filter & Air filter(behind)
5. Horizontal louver
6. LCD display window
7. Vertical louver
8. Manual control button(behind)
9. Remote controller holder

Outdoor unit

10. Drain hose, refrigerant connecting pipe
11. Connective cable
12. Stop valve
13. Fan hood

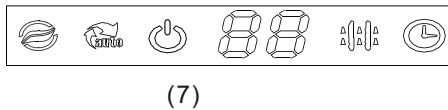
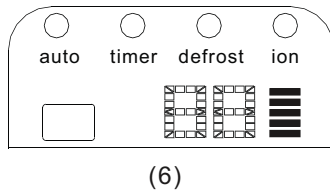
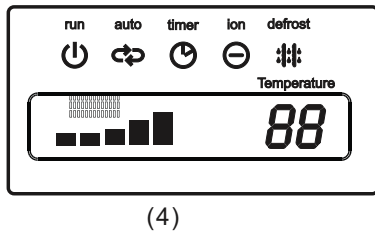
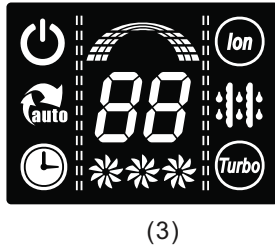
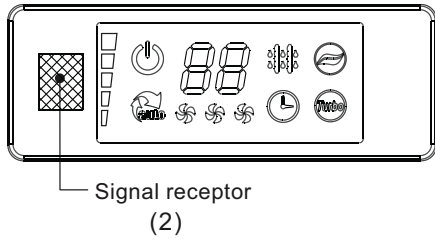
Display window

NOTE: The display window on the air conditioner you purchased may look like one of the following:



(1)

OPERATING INSTRUCTIONS



OPERATION display

Displayed when the air conditioner is in operation.



AUTO operation display

Displayed during Auto operation.



DEFROST operation display

(For Heating & Cooling model only):

Displayed when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.



TIMER display

Displayed during Timer operation.



CLEAN AIR display(optional)

Displayed when CLEAN AIR feature is activated.



TURBO operation display

Displayed when select TURBO function on cooling operation or on heating operation.



DIGITAL DISPLAY

Displays the current setting temperature when the air conditioner is in operation.



FAN SPEED display

Displayed the selected fan speed: LOW(), MED() and HIGH().



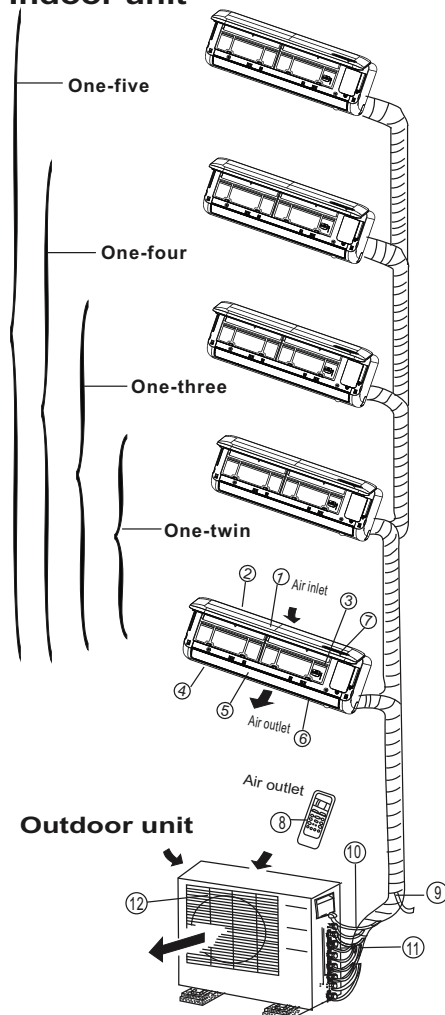
Frequency indication lamp

This display is separated into five zones. The zones illuminate based on the compressor current frequency. For example, higher frequency will illuminate more zones.

OPERATING INSTRUCTIONS

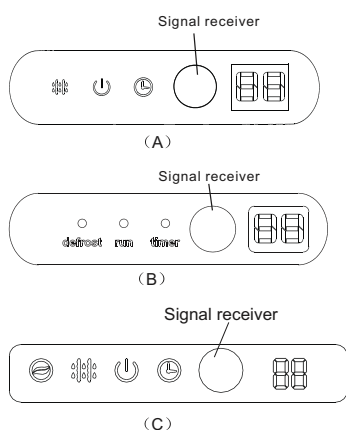
Identification of parts

Indoor unit



Outdoor unit

LED Display window



Indoor unit

1. Front panel
2. Air inlet
3. Air filter
4. Air outlet
5. Horizontal air flow grille
6. Vertical air flow louver (inside)
7. Display panel
8. Remote control

NOTE: The actual shape of the indoor unit you purchased may be slightly different on front panel and display window.

Outdoor unit

9. Drain hose, refrigerant connecting pipe
10. Connective cable
11. Stop valve
12. Fan hood

NOTE:

All the pictures in this manual are for explanation purposes only. Your air conditioner may be slightly different. The actual shape shall prevail.

Indication lamp on LED Display window

ION indication lamp (optional function)
This lamp illuminates when Clean Air feature is activated.

DEFROST indication lamp
(Enabled on cooling & heating models only):
Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.

OPERATION indication lamp
This lamp illuminates when the air conditioner is in operation.

TIMER indication lamp
Lights up during Timer operation.

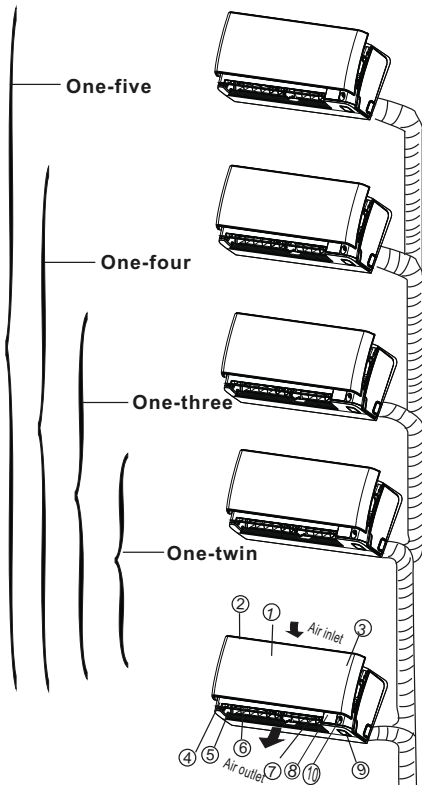
Temperature indicator

- Displays the temperature settings when the air conditioner is operational.
- Displays the malfunction code.

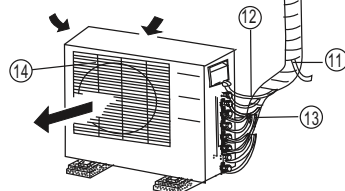
OPERATING INSTRUCTIONS

Identification of parts

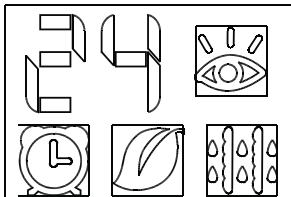
Indoor unit



Outdoor unit



LED Display window



Indoor unit

1. Front panel
2. Air inlet
3. Air filter (inside)
4. Air outlet
5. Horizontal air flow grille (outside)
6. Horizontal air flow grille (inside)
7. Vertical air flow louver
8. Display panel
9. Manual control button and receiver
10. Intelligent eye detector (on some models)

Outdoor unit

11. Drain hose, refrigerant connecting pipe
12. Connective cable
13. Stop valve
14. Fan hood

NOTE:

All the pictures in this manual are for explanation purposes only. Your air conditioner may be slightly different. The actual shape shall prevail.

Indication lamp on LED Display window



TEMPERATURE indication lamp

Displays the temperature settings when the air conditioner is operational.
Displays the malfunction code.
Displays the actual room temperature on Fan only mode.



INTELLIGENT EYE indication lamp

(Optional)

Lights up during Intelligent eye operation except when the machine is defrosting.
This indication lamp continues flashing when the unit detects human activity.



TIMER indication lamp

Lights up during Timer operation.



ION indication lamp (optional)

Lights up when Clean Air feature is activated.



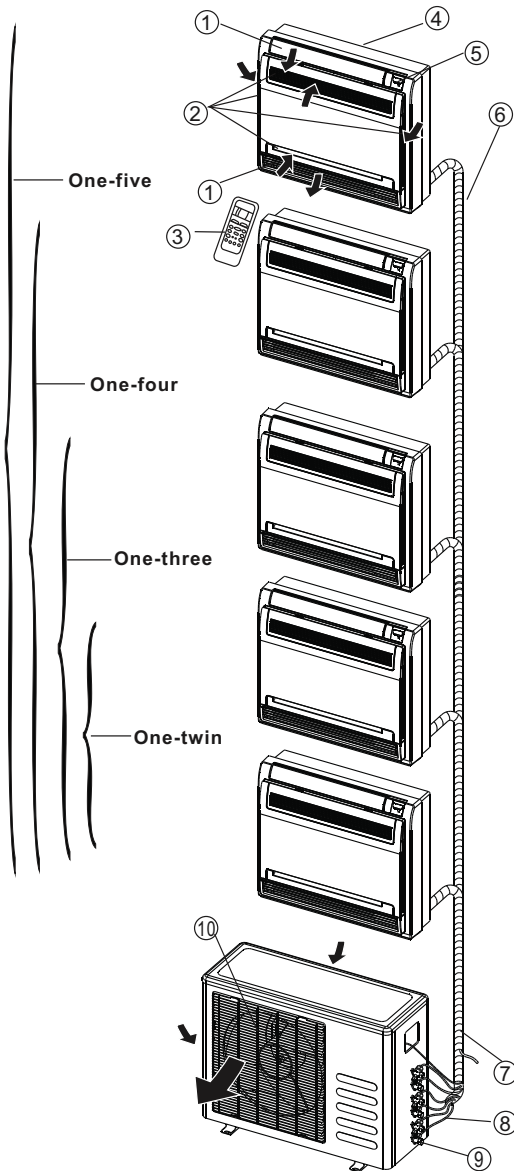
DEFROST indication lamp

(Enabled on cooling & heating models only):
Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.

OPERATING INSTRUCTIONS

Identification of parts

Floor and standing type(console) Indoor unit



Indoor unit

1. Air flow louver (at air outlet)
2. Air inlet(with air filter in it)
3. Remote controller
4. Installation part
5. Display panel
6. Connecting pipe

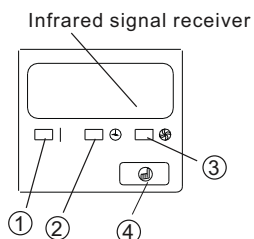
Outdoor unit

7. Drain hose, refrigerant connecting pipe
8. Connective cable
9. Stop valve
10. Fan hood

DISPLAY PANEL:

- ① **OPERATION indication lamp**
This indicator illuminates when the unit is operational.
- ② **TIMER indication lamp**
Lights up during Timer operation.
- ③ **DEFROST indication lamp**(Cooling & Heating models only) **or Fan only indication lamp** (Cooling only type):
Lights up when the air conditioner starts defrosting automatically in heating operation or fan only mode is selected.
- ④ **Temporary button**
This button is used to operate the unit temporarily in case you misplace the remote controller or its batteries are exhausted. One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation. The forced COOL operation is used for testing purposes only, please do not choose it unless it is necessary.

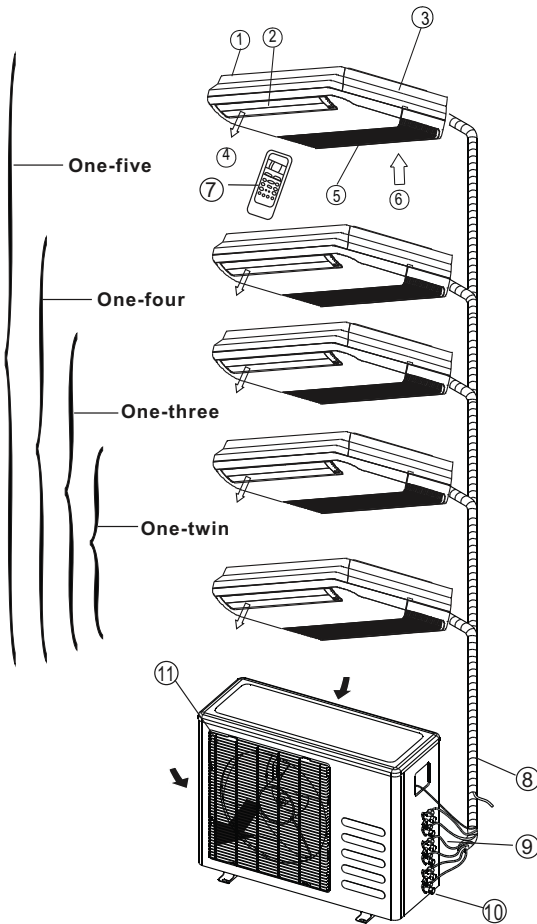
Display panel



OPERATING INSTRUCTIONS

Identification of parts

Floor and standing type(console) Indoor unit



Indoor unit

1. Indoor unit
2. Air flow louver (at air outlet)
3. Installation part
4. Air out
5. Air inlet(with air filter in it)
6. Air in
7. Remote controller

Outdoor unit

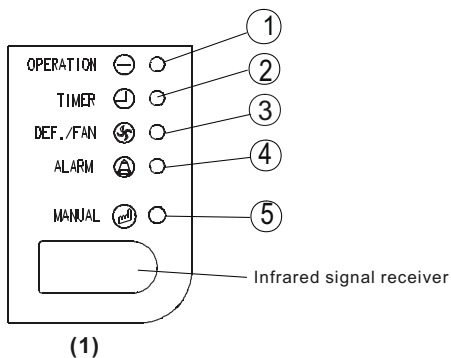
8. Drain hose, refrigerant connecting pipe
9. Connective cable
10. Stop valve
11. Fan hood

DISPLAY PANEL:

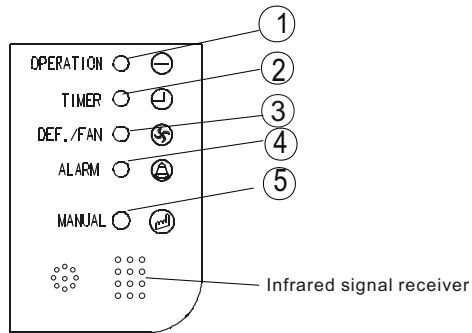
- ① **OPERATION indication lamp**
This indicator illuminates when the unit is operational.
- ② **TIMER indication lamp**
Lights up during Timer operation.
- ③ **DEF./FAN indication lamp**
Lights up when the air conditioner starts defrosting automatically in heating operation (applicable to cooling & heating models only) or fan only mode is selected(applicable to cooling only models).
- ④ **AIARM indication lamp**
Flashes when malfunction occurs.

Display panel

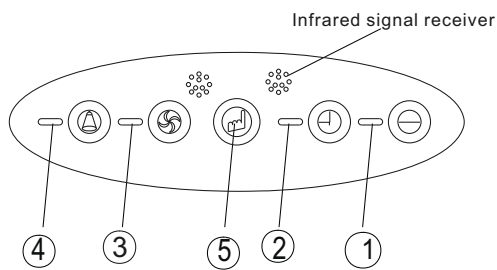
NOTE: The display window on the air conditioner you purchased may look like one of the following:



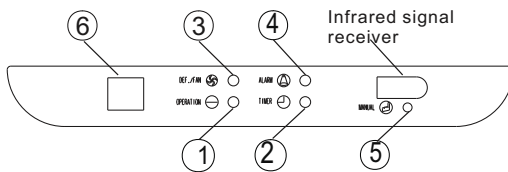
OPERATING INSTRUCTIONS



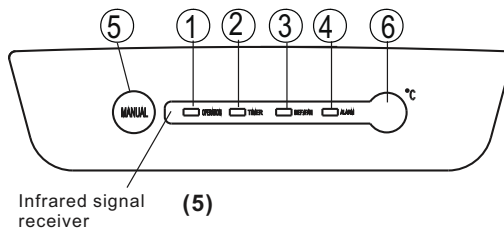
(2)



(3)



(4)



(5)

⑤ Temporary button

This button is used to operate the unit temporarily in case you misplace the remote controller or its batteries are exhausted. One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation. The forced COOL operation is used for testing purposes only, please do not choose it unless it is necessary.

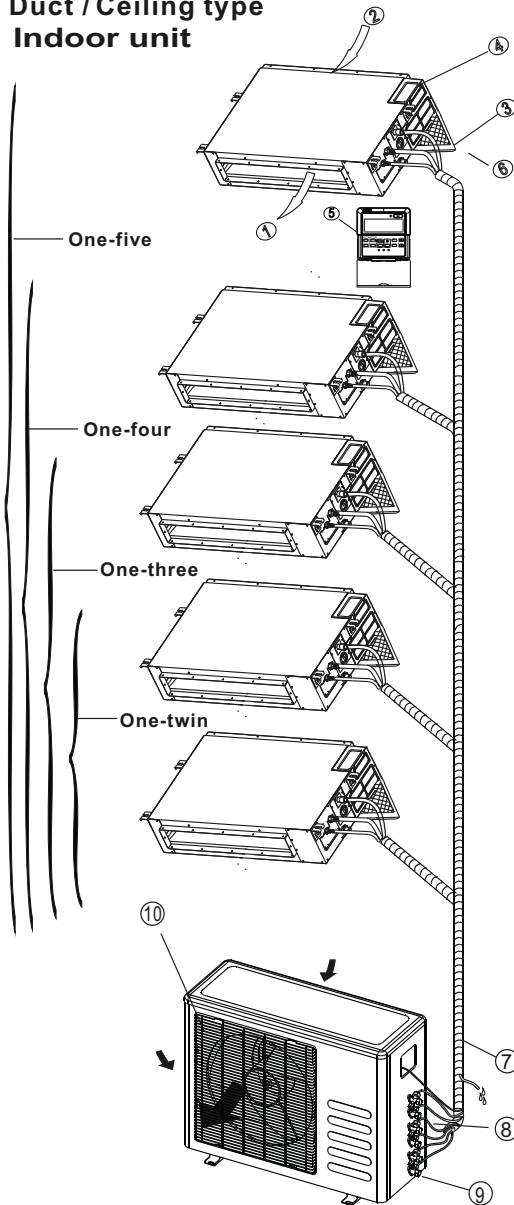
⑥ Temperature Display

Displays the current setting temperature while the unit is operating.

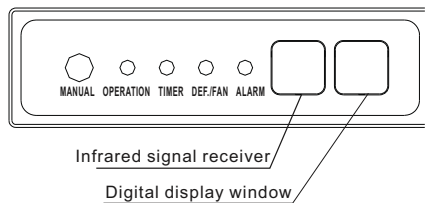
OPERATING INSTRUCTIONS

Identification of parts

Duct / Ceiling type Indoor unit



Display panel



Indoor unit

1. Air outlet
2. Air inlet
3. Air filter
4. Electric control cabinet
5. Wire controller
6. Drain pipe

Outdoor unit

7. Drain hose, refrigerant connecting pipe
8. Connective cable
9. Stop valve
10. Fan hood

DISPLAY PANEL:

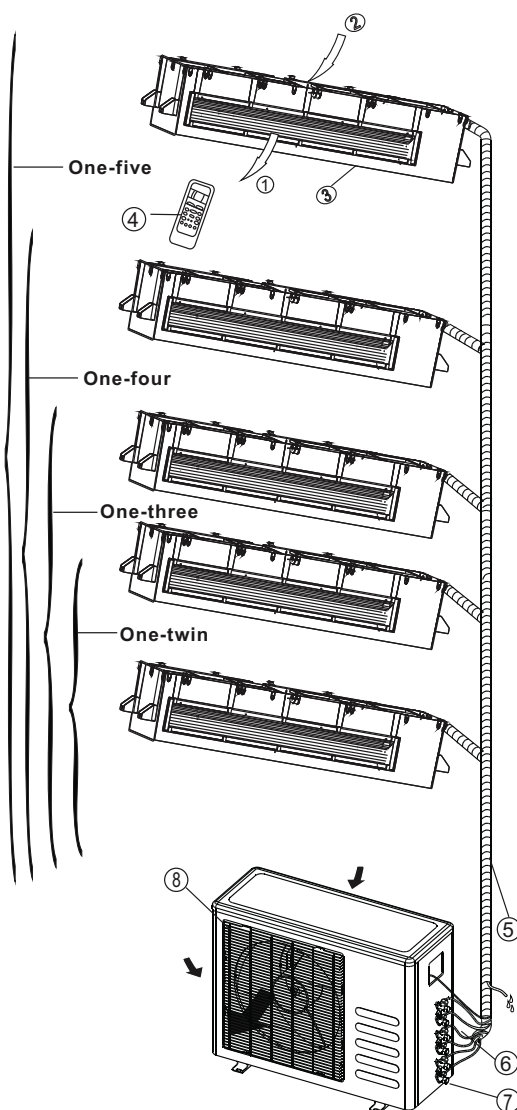
- ① **OPERATION indication lamp**
This indicator illuminates when the unit is operational.
- ② **TIMER indication lamp**
Lights up during Timer operation.
- ③ **DEF./FAN indication lamp**
Lights up when the air conditioner starts defrosting automatically in heating operation (applicable to cooling & heating models only) or fan only mode is selected (applicable to cooling only models).
- ④ **ALARM indication lamp**
Flashes when malfunction occurs.
- ⑤ **MANUAL button**
This button is used to operate the unit temporarily in case you misplace the remote controller or its batteries are exhausted. One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation. The forced COOL operation is used for testing purposes only, please do not choose it unless it is necessary.

OPERATING INSTRUCTIONS

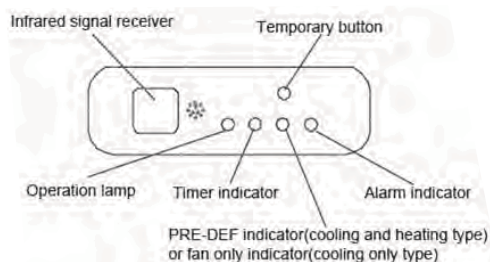
Identification of parts

Duct type

Indoor unit



Display panel



Indoor unit

1. Air outlet
2. Air inlet
3. Air filter
4. Remote controller

Outdoor unit

5. Drain hose, refrigerant connecting pipe
6. Connective cable
7. Stop valve
8. Fan hood

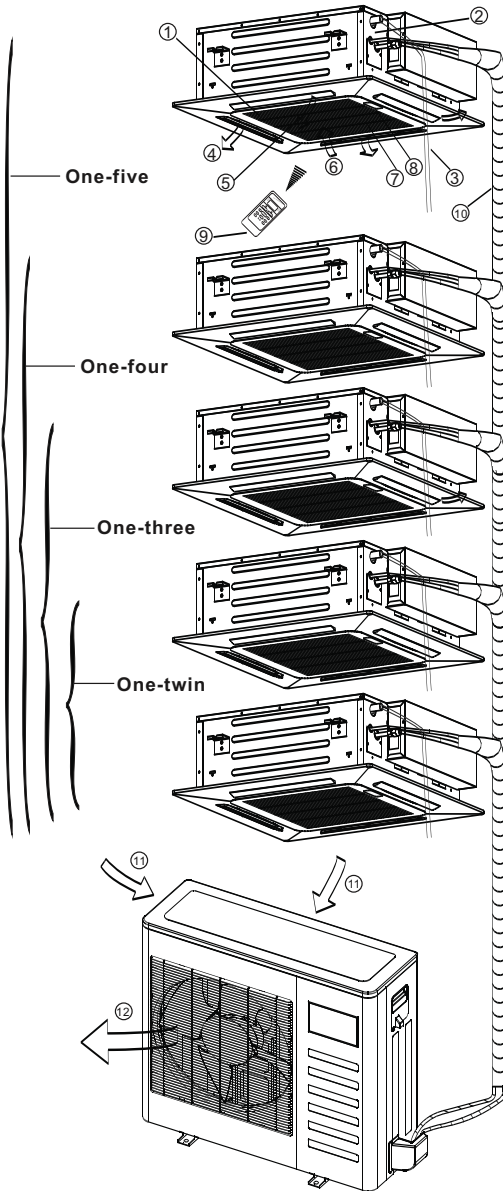
DISPLAY PANEL:

- ① **OPERATION lamp**
This indicator illuminates when the unit is operational.
- ② **TIMER indication lamp**
Lights up during Timer operation.
- ③ **PRE-DEF./FAN indication lamp**
Lights up when the air conditioner starts defrosting automatically in heating operation (applicable to cooling & heating models only) or fan only mode is selected (applicable to cooling only models).
- ④ **ALARM indication lamp**
Flashes when malfunction occurs.
- ⑤ **TEMPORARY button**
This button is used to operate the unit temporarily in case you misplace the remote controller or its batteries are exhausted. One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation. The forced COOL operation is used for testing purposes only, please do not choose it unless it is necessary.

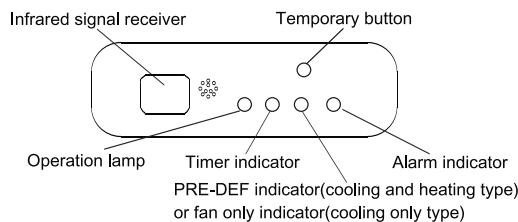
OPERATING INSTRUCTIONS

Identification of parts

Compact four-way cassette type Indoor unit



Display panel



Indoor unit

1. Air flow louver(at air outlet)
2. Drain pump(drain water from indoor unit)
3. Drain pipe
4. Air outlet
5. Air filter(inside air-in grill)
6. Air inlet
7. Air-in grill
8. Display panel
9. Remote controller
10. Refrigerant pipe

Outdoor unit

11. Air inlet
12. Air outlet

DISPLAY PANEL:

- ① **OPERATION lamp**
This indicator illuminates when the unit is operational.
- ② **TIMER indication lamp**
Lights up during Timer operation.
- ③ **PRE-DEF./FAN indication lamp**
Lights up when the air conditioner starts defrosting automatically in heating operation (applicable to cooling & heating models only) or fan only mode is selected(applicable to cooling only models).
- ④ **ALARM indication lamp**
Flashes when malfunction occurs.
- ⑤ **TEMPORARY button**
This button is used to operate the unit temporarily in case you misplace the remote controller or its batteries are exhausted. One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation. The forced COOL operation is used for testing purposes only, please do not choose it unless it is necessary.

OPERATING INSTRUCTIONS

NOTE: This manual does not include Remote Controller Operations, see the <<Remote Controller Instruction>> packed with the unit for details.

Operating temperature

Mode	Cooling operation	Heating operation	Drying operation
Room temperature	17°C~32°C(62°F~90°F)	0°C~30°C(32°F~86°F)	17°C~32°C(62°F~90°F)
Outdoor temperature	0°C~50°C (32°F~122°F) (-15°C~ 50°C/ 5°F~ 122°F: For the models with low temperature cooling system)	-15°C~24°C (5°F~76°F)	0°C~50°C (32°F~122°F)

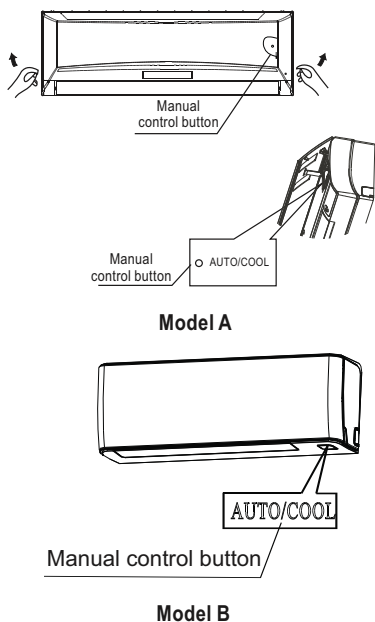
NOTE:

1. Optimum performance will be achieved within these operating temperatures. If air conditioner is used outside of the above conditions, certain safety protection features might come into operation and cause the unit to function abnormally.
2. If the air conditioner operates in a room whose relative humidity is less than 80% the surface of the air conditioner may attract condensation. Please sets the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

Suggestion: For the unit adopts an Electric Heater, when the outside ambient temperature is below 0°C(32°F), we strongly recommend you to keep the machine plugged in order to guarantee it running smoothly.

Manual operation

Manul operation can be used temporarily in case you can not find the remote controller or test running purpose or maintenance necessary.



NOTE: The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit is off.

- ① Open and lift the front panel up will see the manual control button(see Model A)
For some models, the manual control button is located at the bottom of the unit(see Model B).
- ② One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation.
- ③ Close the panel firmly to its original position.

NOTE: For DUCT and CEILING type, CASSETTE type, CEILING and FLOOR type and FLOOR and STANDING type, please refer to the previous pages to operate the Manual button.