

Please read the user's manual carefully before using the product

GG70Eng

USER'S MANUAL

Split Wall-Mounted Air Conditioner

MODEL | 12000BTU HP

Foreword

Air conditioners are pieces of high value. In order to ensure your lawful rights and interests, please have the professional technicians to do the installation for you.

This Instruction Manual is the universal-purpose version for the models of split wall-mounted air conditioners manufactured by our Co. The appearance of the units that you purchase might be slightly different from the ones described in the Manual, but it does not affect your proper operations and usage. Please read carefully the sections corresponding to the specific model you choose, and keep the Manual properly so as to facilitate your reference at later time.

Note:

All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail. They are subject to changewithout notice for future improvement.



This product contains fluorinated greenhouse gases.

Refrigerant leakage contributes to climate change Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [675]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [675] times higher than 1 kg of CO₂, over a period of 100years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a profession.



Correct Disposal of this product



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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WARNING

This air conditioner uses R32 flammable refrigerant.







Notes: Air conditioner with R32 refrigerant, if roughly treated, may cause serious harm to the human body or surrounding things.

- Appliance shall be installed, operated and stored in a room with a floor area larger than 4 m².

Appliance shall not be installed in an unventilated space, if that space is smaller than 4 m².

- Air conditioner refrigerant can not charge more than 1.7kg.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Not pierce or burn air conditioner, and check the refrigerant pipeline whether be damaged.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.
- Notice that the refrigerant may be tasteless.
- The storage of air conditioning should be able to prevent mechanical damage caused by accident.
- Maintenance or repair of air conditioners using R32 refrigerant must be carried out after security check to minimize risk of incidents.
- Air conditioner must be installed with stop valve cover.


Please read the instruction carefully before installing, using and maintaining.


	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	WARNING	This symbol shows that this appliance uses a low burning velocity material.(IEC 60335-2-40:2018)
	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.(IEC 60335-2-40:2022)
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

Safety precautions

Read Safety Precautions Before Operation and Installation

Incorrect installation due to ignoring instructions can cause serious damage or injury. The seriousness of potential damage or injuries is classified as either a **WARNING** or **CAUTION**.

 **WARNING** Failure to follow these instructions properly may result in personal injury or loss of life.

 **CAUTION** Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

WARNING

- 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 (EN Standard requirements).
- 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. Children should be supervised to ensure that they do not play with the appliance (IEC Standard requirements).

WARNING(FOR PRODUCT USE)

- If an abnormal situation arises (like a burning smell), immediately turn off the unit and disconnect the power. Call your dealer for instructions to avoid electric shock, fire or injury.
- Do not insert fingers, rods or other objects into the air inlet or outlet. This may cause injury, since the fan may be rotating at high speeds.
- Do not use flammable sprays such as hair spray, lacquer or paint near the unit. This may cause fire or combustion.
- Do not operate the air conditioner in places near or around combustible gases. Emitted gas may collect around the unit and cause explosion.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.
- Do not expose your body directly to cool air for a prolonged period of time.
- Do not allow children to play with the air conditioner. Children must be supervised around the unit at all times.
- If the air conditioner is used together with burners or other heating devices, thoroughly ventilate the room to avoid oxygen deficiency.
- In certain functional environments, such as kitchens, server rooms, etc., the use of specially designed air-conditioning units is highly recommended.
- Turn off the device and disconnect the power before cleaning. Failure to do so can cause electrical shock.
- Do not clean the air conditioner with excessive amounts of water.
- Do not clean the air conditioner with combustible cleaning agents. Combustible cleaning agents can cause fire or deformation.

CAUTION(FOR PRODUCT USE)

- Turn off the air conditioner and disconnect the power if you are not going to use it for a long time.
- Turn off and unplug the unit during storms.
Make sure that water condensation can drain unhindered from the unit.
- Do not operate the air conditioner with wet hands. This may cause electric shock.
- Do not use device for any other purpose than its intended use.
- Do not climb onto or place objects on top of the outdoor unit.
- Do not allow the air conditioner to operate for long periods of time with doors or windows open, or if the humidity is very high.
- Do not attach, hang or stack articles on the air conditioner. It might lead to the falling down of the air conditioner unit which will result in accidents or injuries.

WARNING(ELECTRICAL)

- Only use the specified power cord. If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.
- Do not pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.
- Do not modify the length of the power supply cord or use an extension cord to power the unit.
- Do not share the electrical outlet with other appliances. Improper or insufficient power supply can cause fire or electrical shock.
- The product must be properly grounded at the time of installation, or electrical shock may occur. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead.
- For all electrical work, follow all local and national wiring standards, regulations, and the Installation Manual. Connect cables tightly, and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat and cause fire, and may also cause shock. All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.
- All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

If connecting power to fixed wiring, an all-pole disconnection device which has at least 3mm clearances in all poles, and have a leakage current that may exceed 10mA, the residual current device(RCD) having a rated residual operating current not exceeding 30mA, and disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

TAKE NOTE OF FUSE SPECIFICATIONS

The air conditioner's circuit board (PCB) is designed with a fuse to provide overcurrent protection.

The specifications of the fuse are printed on the circuit board.

NOTE: For the units with R32 refrigerant, only the blast-proof ceramic fuse can be used.

Basic principles and performances

Features of Heating Operations

- The machines absorb heat from the outdoor air and transfer it indoors so as to heat the room air. The heating capabilities through this principle of heat pump go up/down with the increase/decrease of the temperatures of the outdoor air.
- It only needs a fairly short time for such hot air circulation system to raise the room temperature.
- When the outdoor air temperature is very low, the system can be used together with other heating devices. But good ventilation should be maintained to ensure safety and prevent accidents.

Defrosting

When the outdoor air temperature is very low and humidity is very high, frosting will occur to the heat exchanger of the outdoor unit, which has negative impacts upon the efficiency of the heating performance. In such case, the automatic defrosting function will come into play. The heating operation will be stopped for 5-10 minutes to do the defrosting.

- The fans of both the outdoor and indoor units are stopped.
- During the defrosting, the outdoor unit might generate some steam. It is caused by fast defrosting, which is not a performance failure.
- Upon the completion of the defrosting process, the heating operation is resumed.

The conditions of unit can't normally run

- Within the temperature range provided in following table, the air conditioner may stop running and other anomalies may arise.

Cooling	Outdoor	>43°C(Apply to T1)
		>52°C(Apply to T3)
	Indoor	<18°C
Heating	Outdoor	>24°C
		<-7°C
	Indoor	>27°C

- When the temperature is too high, the air conditioner may activate the automatic protection device, so that the air conditioner could be shut down.
- When the temperature is too low, the heat exchanger of the air conditioner may freeze leading to water leakage or other malfunction.
- In long-term cooling or dehumidification with a relative humidity of above 80% (doors and windows are open), there may be water condenses or dripping near the air outlet.
- T1 and T3 refer to ISO 5151.

Transportation, marking and storage

Transport

The maximum number of pieces of equipment or the configuration of the equipment permitted to be transported together be determined by the national regulations.

Marking of equipment using signs

- Signs for similar appliances used in a work area are generally addressed by local regulations and give the minimum requirements for the provision of safety and/or health signs for a work location.
- All required signs are to be maintained and employers should ensure that employees receive suitable and sufficient instruction and training on the meaning of appropriate safety signs and the actions that need to be taken in connection with these signs.
- The effectiveness of signs should not be diminished by too many signs being placed together.
- Any pictograms used should be as simple as possible and contain only essential details.

Disposal of equipment

See national regulations.

Storage of equipment/appliances

The storage of the appliance should be in accordance with the national regulations.

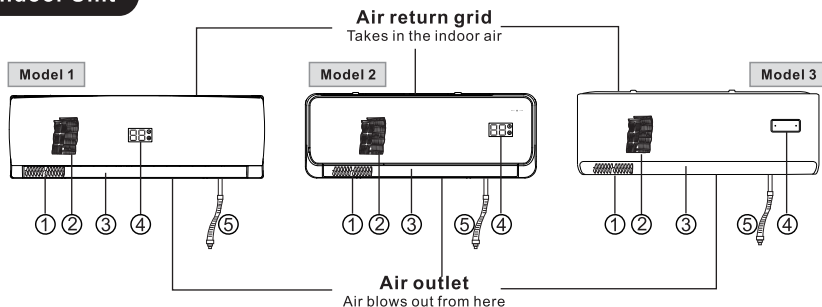
Storage of packed (unsold) equipment

- Storage package protection should be constructed in such a way that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.
- The maximum number of pieces of equipment permitted to be stored together will be determined by national regulations.

The name of each part and it's function

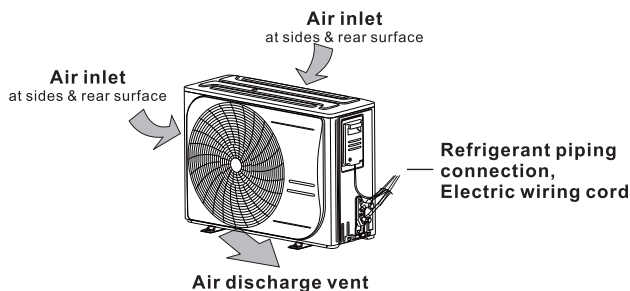
Because there are many models, features and appearance will vary, we only introduce the follow pattern. Others please refer to using.

Indoor Unit



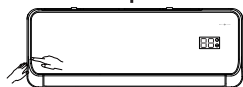
- ① Left/right air flow direction adjusting fin
- ② Up/down air flow direction adjusting flap
- ③ Air filter (Removes dust or dirt out of the inlet air)
- ④ Operational performance/indications
- ⑤ Drain tube (Drain the water dehumidified out of the air)

Outdoor Unit



Unit operation section

How to open

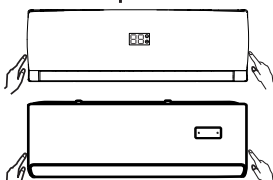


Secure the bottom with one of your hands and gently pull up the panel with the other hand, turning the panel upwards outwards.

How to close

Push down the panel and then push both sides of panel at the bottom.

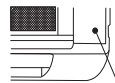
How to open



Lightly push both sides of the air inlet grid at the bottom and pull it to this side till a resistance is felt.

How to close

Push down the air inlet grid and then push both sides of air inlet grid at the bottom.



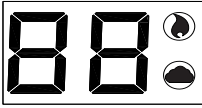
Emergency operation key
This button can be used as an emergency measure to turn on/off unit when remote controller is not available.

CAUTION

The button is intended for testing purposes and emergency operation only. Please do not use this function unless the remote control is lost and it is absolutely necessary. Unit must be turned off before manual operation.

● **Note:** Do not open the grid at an angle over 60 degrees Do not operate the units with too much force.

Indications



Auxiliary electric heating (optional), only can be lighted while AC is configured with this function.



Cloud function (WiFi) (optional), only can be lighted while AC is configured with this function.



Setting temperature, timer time, and failure code indicator.

The code "dF" is displayed when running defrost mode

Fault display	Fault code
The communication faults between the indoor and outdoor units.	F1
Indoor ambient temperature sensor fault.	F2/E2
Indoor coil temperature sensor fault (Include: inlet, middle of pipe, outlet).	F3/E3
Indoor fan fault.	F4/E5
Outdoor module fault.	F5
Outdoor ambient temperature sensor fault.	F6
Outdoor coil temperature sensor fault.	F7/E1
IPM temperature sensor fault.	F8
Compressor discharge temperature sensor fault.	F9
Inductor of current or voltage fault	FA
Compressor driving abnormally fault	FC
Power supply phase lacking or phase sequence fault	FD
1.Lack of refrigerant 2.The four-way directional valve is faulty	FF
Outdoor DC motor fault	FH
Communication failure between PC board and main control board	FL
The protection for AC input current is too high.	P3
Compressordischargetemperatureprotection.	P4
Compressortopshelloverheatingprotection.	P5
Compressorsuctiontemperatureprotection.	P6
Suctionlowpressureprotection.	P8
Discharge high pressure protection.	P9
Condenser's coil pipe high temperature protection.	PA
Outdoor environmental temperature over high protection.	PC
Fault of outside feedback.	E7
Over-current.	EA

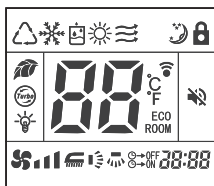
Operation and indication sections of remote controller

Attention:

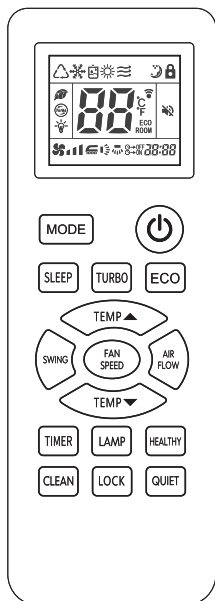
1. The appearances of the following five remote controllers will vary, but the functions of the same button are same, Please check to refer the instructions for the identical remote controller of your air-conditioner.

2. The remote controller 1, remote controller 2, remote controller 3, remote controller 4, remote controller 5, remote controller 6 are the general one used for many types of air-conditioner in our company we beg your forgiveness that we would not introduce the button or indicator which is not applicable for units you purchased. The "HEALTHY" "I FEEL" and "CLEAN" button are applicable for special latest developed new models only instead of normal models.

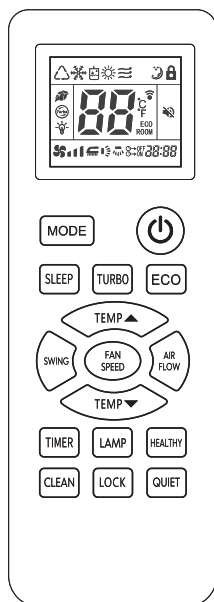
Remote Controller 1



AUTO indicator	COOLING indicator	DEHUMID indicator	HEATING indicator
FAN indicator	CLEAN indicator	SLEEP indicator	Key lock indicator
HEALTHY indicator	TURBO indicator	LAMP indicator	SWING indicator
AIRFLOW indicator	QUIET indicator	ECO ECO indicator	
TEMPERATURE indicator		OFF/ON TIME indicator	
FAN SPEED (speed 1) indicator		FAN SPEED (speed 2) indicator	
FAN SPEED (speed 3) indicator		FAN SPEED (auto) indicator	



Button	Function Description
	This button changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.
	This button, when pressed starts operation and stops when repressed.
	This button changes to SLEEP operation.
	This button changes to TURBO operation (It does not work in AUTO, DRY, and FAN mode.)
	This button is used to open and close the ECO (energy saving) operation function, remote control air-conditioning energy saving operation mode to enter or exit.
	This button sets the room temperature.
	This button used for selection of the up/down air flow direction.
	This button set air rate.



Button	Function Description
	This button used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix (It just works on three-dimensional air flow model.)
	Press this button to set the switch-on or switch-off and the timer time.
	Press this button to CLEAN when the device and remote control are OFF.
	Press this button to turn off the indications on the device.
	Press this button to lock or unlock the keyboard.
	This button is used to turn health functions on and off.
	Press this button to make the AC keep quiet.
	°C/°F function: Press TURBO button and TEMP▲ button at the same time to switch to Fahrenheit or Celsius temperature display on the remote control.
	10°C HEAT function: Press TURBO button and TEMP▼ button at the same time to start or stop the 10°C HEAT function.

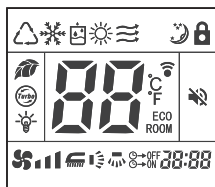
NOTE:

- Above figure shows all indications for the purpose of explanation, but practically only the pertinent parts are indicated. When air-conditioner is cooling-only model, the 'Heat' mode is for Fan only.
- When TURBO operation is selected, room temperature is not controlled with operation being continually. If you feel the room temperature is too cool or too hot, please cancel the TURBO operation.

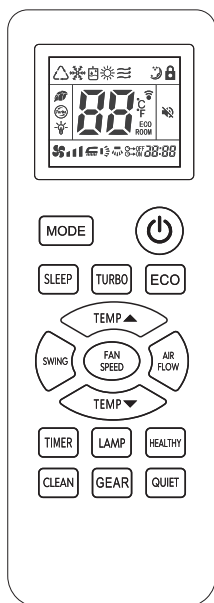
USER'S MANUAL

Split Wall-Mounted Air Conditioner

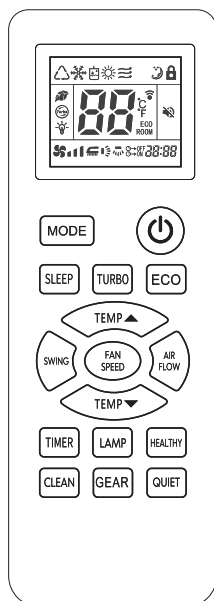
Remote Controller 2



AUTO indicator	COOLING indicator	DEHUMID indicator	HEATING indicator
FAN indicator	CLEAN indicator	SLEEP indicator	Key lock indicator
HEALTHY indicator	TURBO indicator	LAMP indicator	SWING indicator
AIRFLOW indicator	QUIET indicator	ECO ECO indicator	
TEMPERATURE indicator		TIME indicator	
FAN SPEED (speed 1) indicator		FAN SPEED (speed 2) indicator	
FAN SPEED (speed 3) indicator		FAN SPEED (auto) indicator	



Button	Function Description
	This button changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.
	This button, when pressed starts operation and stops when repressed.
	This button changes to SLEEP operation.
	This button changes to TURBO operation (It does not work in AUTO, DRY, and FAN mode.)
	This button is used to open and close the ECO (energy saving) operation function, remote control air-conditioning energy saving operation mode to enter or exit.
	This button sets the room temperature.
	This button used for selection of the up/down air flow direction.
	This button set air rate.
	This button used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix (It just works on three-dimensional air flow model.)



Button	Function Description
TIMER	Press this button to set the switch-on or switch-off and the timer time.
CLEAN	Press this button to CLEAN when the device and remote control are OFF.
LAMP	Press this button to turn off the indications on the device.
GEAR	Press the GEAR button to enter frequency adjusting mode.
HEALTHY	This button is used to turn health functions on and off.
QUIET	Press this button to make the AC keep quiet.
TIMER + LAMP	Press this button to lock or unlock the keyboard.
TURBO + TEMP▲	°C/°F function: Press TURBO button and TEMP▲ button at the same time to switch to Fahrenheit or Celsius temperature display on the remote control.
TURBO + TEMP▼	10°C HEAT function: Press TURBO button and TEMP▼ button at the same time to start or stop the 10°C HEAT function.

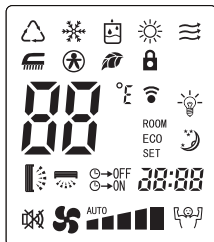
NOTE:

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- When TURBO operation is selected, room temperature is not controlled with operation being continually. If you feel the room temperature is too cool or too hot, please cancel the TURBO operation.

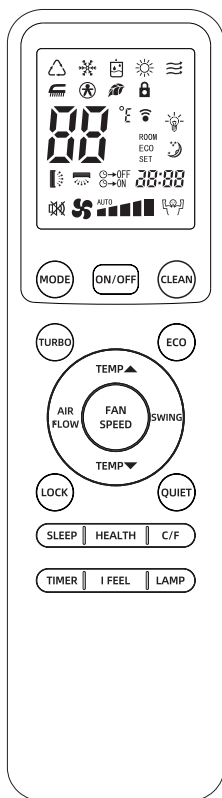
USER'S MANUAL

Split Wall-Mounted Air Conditioner

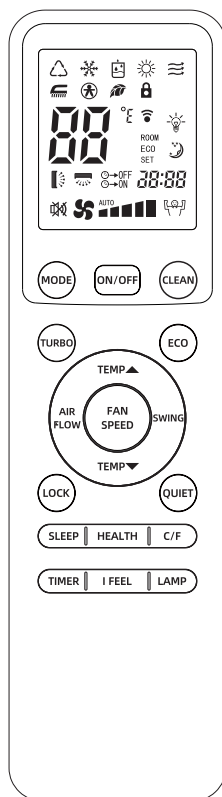
Remote Controller 3



AUTO indicator	COOLING indicator	DEHUMID indicator	HEATING indicator
FAN indicator	CLEAN indicator	I FEEL indicator	HEALTHY indicator
Key lock indicator	LAMP indicator	SLEEP indicator	SWING indicator
AIRFLOW indicator	QUIET indicator	TURBO indicator	ECO ECO indicator
TEMPERATURE indicator		TIME indicator	
FAN SPEED (speed 1) indicator		FAN SPEED (speed 2) indicator	
FAN SPEED (speed 3) indicator		FAN SPEED (speed 4) indicator (Special type only)	
FAN SPEED (speed 5) indicator (Special type only)		FAN SPEED (auto) indicator	
Soft /gentle wind indicator (Special type only)			




























Button	Function Description
	This button changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.
	This button, when pressed starts operation and stops when repressed.
	Press this button to CLEAN when the device and remote control are OFF.
	This button changes to TURBO operation (It does not work in AUTO, DRY, and FAN mode.)
	This button is used to open and close the ECO (energy saving) operation function, remote control air-conditioning energy saving operation mode to enter or exit.
	This button sets the room temperature.
	This button used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix (It just works on three-dimensional air flow model.)
	This button used for selection of the up/down air flow direction.
	This button set air rate.

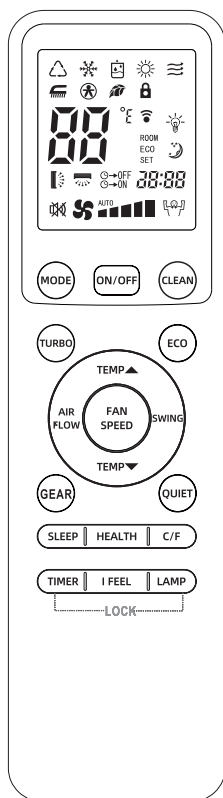












Button	Function Description
	Press this button to lock or unlock the keyboard.
	Press this button to make the AC keep quiet.
	This button changes to SLEEP operation.
	This button is used to turn health functions on and off.
	Press this button to switch to Fahrenheit or Celsius temperature display on the remote control.
	Press this button to turn off the indications on the device.
	Press this button to set the switch-on or switch-off and the timer time.
	Press this button to turn on and off the temperature sensing (body sensing) function.

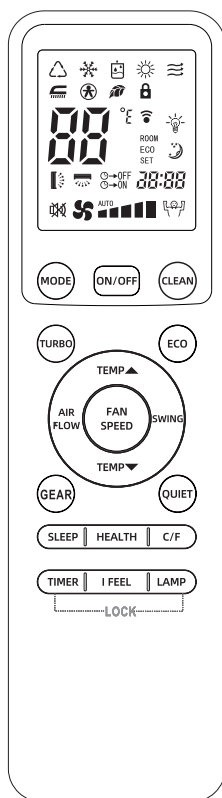
NOTE:

- Above figure shows all indications for the purpose of explanation, but practically only the pertinent parts are indicated. When air-conditioner is cooling-only model, the 'Heat' mode is for Fan only.
- When TURBO operation is selected, room temperature is not controlled with operation being continually. If you feel the room temperature is too cool or too hot, please cancel the TURBO operation.
- 10°C HEAT function: Press TURBO button and TEMP▼ button at the same time to start or stop the 10°C HEAT function.
- Press I FEEL button to active the function, the remote control will send out the current room temperature to air conditioner, to optimize the temperature around you and ensure the comfort.

 AUTO indicator	 COOLING indicator	 DEHUMID indicator	 HEATING indicator
 FAN indicator	 CLEAN indicator	 I FEEL indicator	 HEALTHY indicator
 Key lock indicator	 LAMP indicator	 SLEEP indicator	 SWING indicator
 AIRFLOW indicator	 QUIET indicator	 TURBO indicator	 ECO ECO indicator
 TEMPERATURE indicator		 TIME indicator	
 FAN SPEED (speed 1) indicator		 FAN SPEED (speed 2) indicator	
 FAN SPEED (speed 3) indicator		 FAN SPEED (speed 4) indicator (Special type only)	
 FAN SPEED (speed 5) indicator (Special type only)		 FAN SPEED (auto) indicator	
 Soft/gentle wind indicator (Special type only)			



Button	Function Description
	This button changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.
	This button, when pressed starts operation and stops when repressed.
	Press this button to CLEAN when the device and remote control are OFF.
	This button changes to TURBO operation (It does not work in AUTO, DRY, and FAN mode.)
	This button is used to open and close the ECO (energy saving) operation function, remote control air-conditioning energy saving operation mode to enter or exit.
 	This button sets the room temperature.
	This button used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix (It just works on three-dimensional air flow model.)
	This button used for selection of the up/down air flow direction.
	This button set air rate.



Button	Function Description
	Press the GEAR button to enter frequency adjusting mode.
	Press this button to make the AC keep quiet.
	This button changes to SLEEP operation.
	This button is used to turn health functions on and off.
	Press this button to switch to Fahrenheit or Celsius temperature display on the remote control.
	Press this button to turn off the indications on the device.
	Press this button to set the switch-on or switch-off and the timer time.
	Press this button to turn on and off the temperature sensing (body sensing) function.
	Press TIMER button and LAMP button at the same time to lock/unlock the remote.

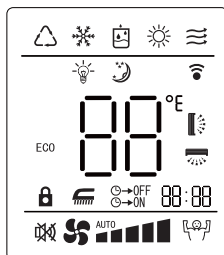
NOTE:

- Above figure shows all indications for the purpose of explanation, but practically only the pertinent parts are indicated. When air-conditioner is cooling-only model, the 'Heat' mode is for Fan only.
- When TURBO operation is selected, room temperature is not controlled with operation being continually. If you feel the room temperature is too cool or too hot, please cancel the TURBO operation.
- 10°C HEAT function: Press TURBO button and TEMP▼ button at the same time to start or stop the 10°C HEAT function.
- Press I FEEL button to active the function, the remote control will send out the current room temperature to air conditioner, to optimize the temperature around you and ensure the comfort.

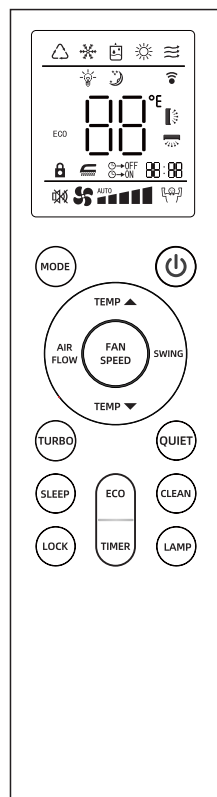
USER'S MANUAL

Split Wall-Mounted Air Conditioner

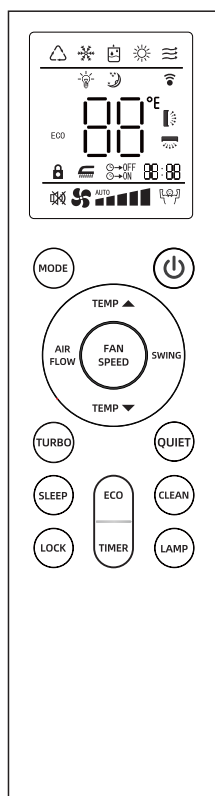
Remote Controller 5



AUTO indicator	COOLING indicator	DEHUMID indicator	HEATING indicator
FAN indicator	LAMP indicator	SLEEP indicator	ECO indicator
SWING indicator	AIRFLOW indicator	Key lock indicator	CLEAN indicator
QUIET indicator	TURBO indicator	TIME indicator	
TEMPERATURE indicator		Soft /gentle wind indicator	
FAN SPEED (speed 1) indicator		FAN SPEED (speed 2) indicator	
FAN SPEED (speed 3) indicator		FAN SPEED (speed 4) indicator	
FAN SPEED (speed 5) indicator		FAN SPEED (auto) indicator	



Button	Function Description
	This button, when pressed starts operation and stops when repressed.
	This button changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.
	This button sets the room temperature.
	This button set air rate.
	This button used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix (It just works on three-dimensional air flow model.)
	This button used for selection of the up/down air flow direction.
	This button changes to TURBO operation (It does not work in AUTO, DRY, and FAN mode.)
	Press this button to make the AC keep quiet.



Button	Function Description
	This button changes to SLEEP operation.
	This button is used to open and close the ECO (energy saving) operation function, remote control air-conditioning energy saving operation mode to enter or exit.
	Press this button to CLEAN when the device and remote control are OFF.
	Press this button to lock or unlock the keyboard.
	Press this button to set the switch-on or switch-off and the timer time.
	Press this button to turn off the indications on the device.
+	°C/°F function: Press TURBO button and TEMP ▲ button at the same time to switch to Fahrenheit or Celsius temperature display on the remote control.
+	10°C HEAT function: Press TURBO button and TEMP ▼ button at the same time to start or stop the 10°C HEAT function.

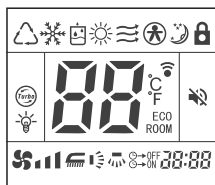
NOTE:

- Above figure shows all indications for the purpose of explanation, but practically only the pertinent parts are indicated. When air-conditioner is cooling-only model, the 'Heat' mode is for Fan only.
- When TURBO operation is selected, room temperature is not controlled with operation being continually. If you feel the room temperature is too cool or too hot, please cancel the TURBO operation.

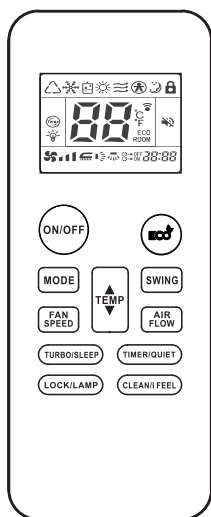
USER'S MANUAL

Split Wall-Mounted Air Conditioner

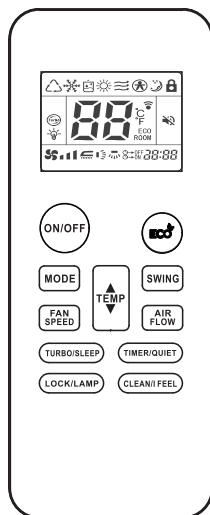
Remote Controller 6



AUTO indicator	COOLING indicator	DEHUMID indicator	HEATING indicator
FAN indicator	I FEEL indicator	SLEEP indicator	Key lock indicator
TURBO indicator	LAMP indicator	QUIET indicator	ECO indicator
CLEAN indicator	SWING indicator	AIRFLOW indicator	
TEMPERATURE indicator		TIME indicator	
FAN SPEED (speed 1) indicator		FAN SPEED (speed 2) indicator	
FAN SPEED (speed 3) indicator		FAN SPEED (auto) indicator	



Button	Function Description
	This button, when pressed starts operation and stops when repressed.
	This button is used to open and close the ECO(energy saving) operation function,remote control air-conditioning energy saving operation mode to enter or exit.
	This button sets the room temperature.
	This button changes the operation mode: AUTO, COOL, DRY, HEAT, FAN.
	This button used for selection of the up/down air flow direction.
	This button set air rate.
	This button used for selection of the left/right air flow direction, whenever pressed the in flap will swing or fix(It just works on three- dimensional air flow model.)







Button	Function Description
TURBO/SLEEP	Press the left half of the button to activate the TURBO function, to activate TURBO operation (It does not work in AUTO, DRY, and FAN mode.) Press the right half of the button to activate the SLEEP function, to activate SLEEP operation.
TIMER/QUIET	Press the left half of the button to activate the TIMER function, to set the switch-on or switch-off and the timer time. Press the right half of the button to activate the QUIET function, to make the AC keep quiet.
LOCK/LAMP	Press the left half of the button to activate the LOCK function, to lock or unlock the keyboard. Press the right half of the button to activate the LAMP function, to turn off the indications on the device.
CLEAN/I FEEL	Press the left half of the button to activate the CLEAN function, to CLEAN when the device and remote control are OFF. Press the right half of the button to activate the I FEEL function, to open or close the I FEEL function.
TURBO + TEMP▲	°C/°F function: Press TURBO button and TEMP▲ button at the same time to switch to Fahrenheit or Celsius temperature display on the remote control.
TURBO + TEMP▼	10°C HEAT function: Press TURBO button and TEMP▼ button at the same time to start or stop the 10°C HEAT function.

NOTE:

- Above figure shows all indications for the purpose of explanation, but practically only the pertinent parts are indicated. When air-conditioner is cooling-only model, the 'Heat' mode is for Fan only.
- When TURBO operation is selected, room temperature is not controlled with operation being continually. If you feel the room temperature is too cool or too hot, please cancel the TURBO operation.
- Press I FEEL button to active the function, the remote control will send out the current room temperature to air conditioner, to optimize the temperature around you and ensure the comfort.

Use of remote controller

Operating machine in selected modes

1. Point the remote controller at the unit, press the ON/OFF button, then press the MODE button, select the needed mode: ATUO, COOL, DRY, HEAT, or FAN.
2. Press the SET TEMPERATURE button to increase or decrease the readings until the needed temperature is displayed. The room set temperature range is from 16C-32°C (61F-90°F).
3. Press the FAN SPEED button to choose the air rate you want.
(It would be automatically set at low speed and unadjustable in DRY mode.)
4. Press the SWING button to choose the up/down air flow direction you want: swing(display " "indicator flashing), fixed wind(display indicates " ").
(It would be automatically set at fixed wind air flow direction in DRY mode.)
5. Press the AIR FLOW button to choose the left/right direction you want: swing(display " "indicator flashing), fixed wind(display indicates " ").

TURBO operation

Press TURBO button during COOL or HEAT operation, the air rate can be setted in HIGH. Press the TURBO button again can release the TURBO operation.

Note: during TURBO operation, the air rate can not be changed.

Adjusting left/right air flow direction

Methods 1: Manually adjust

Adjust the direction by moving directly the left/right air flow direction adjusting fin by hand.



Caution: Unit must be turned off before adjust the direction.

Methods 2: Horizontal & vertical auto swing

(three-dimensional air flow model)

Adjust the direction by remote controller. Press the AIR FLOW button, the air swinging fins will constantly make the left/right swinging or fixed direction in air delivery.

TIMER operation

Set turning off time

Set the time for the unit to turn off and when it is time, the air conditioner will automatically stop operating.

1. During the operation of the air conditioner, press the TIMER button and the air conditioner will enter the timed switch-off mod.
2. Continually press the TIMER button to set the needed time for switching off the machine. The timer can make the setting in the range from 1-24 hours. Every the button is pressed, indication change is the following sequence: 1→2→.....→24→cancel (no indication)→1.
3. After the setting of the timed switch-off, the digits shown on the display screen will go down by 1 for every elapsed hour. The displayed digits indicate the remaining time prior to the timed switch-off.

Set turning on time:

Set the time for the unit to turn on and when it is time, the air conditioner will automatically start operating.

1. When the air conditioner is in the standby mode, press the TIMER button and the air conditioner will enter the timed switch-on mode
2. Continually press the TIMER button to set the needed time for switching on the machine. The timer can make the setting in the range from 1-24 hours. Every the button is pressed, indication change is the following sequence: 1→2→.....→24→cancel (no indication)→1.
3. After the setting of the timed switch-on, the digits shown on the display screen will go down by 1 for every elapsed hour. The displayed digits indicate the remaining time prior to the timed switch-on.

Releasing procedure:

When the indication on display screen is 24 hour, press the TIMER button again to delete the timed mode.

SLEEP OPERATION

- Use this mode to reduce operation sound when sleeping, etc.
- Press the SLEEP button, the air flow sound from the indoor unit is decreased.
- Press the SLEEP button again can release the mode.

NOTE:

- Use the sleep mode when you are going to bed. If this mode is used in the day, the capacity is reduced since the ambient temperature is too high.(COOL MODE).
- During the operation of cooling, the room temperature will be raised gradually by 2°C (4°F) higher than the setting after the machine begins to operate in the sleeping mode.
- During the operation of heating mode, the room temperature will be dropped gradually 5°C (9°F) lower than the setting after the machine begins to operate in the sleeping mode.

Frequency adjusting mode(Variable speed type only)

1. Short press the "GEAR" key to enter the GEAR mode;
2. Only in cooling or heating mode can the GEAR mode be entered. The setting temperature on screen will change to "OF" and flashes. Continue pressing the "GEAR" button, cycling the code by "OF-A5-A4-A3-A2-A1-OF" in GEAR mode; No any operation within 5 seconds, the remote control screen returns to the setting temperature. The indoor unit screen will keep showing GEAR level.
3. In the GEAR mode, only pressing ON/OFF or changing MODE will exit the GEAR mode. Other buttons will not exit GEAR mode. "OF" indicates exiting GEAR mode, returns to normal mode. The air conditioner will adjust frequency itself. "A5" represents 85%, "A4" represents 70%, "A3" represents 55%, "A2" represents 40% of the max running frequency, "A1" represents the lowest running frequency.

Cleaning function

Standard models: Indoor unit shows 25°C, switches on normally after 6-minute runtime.

Special models: Indoor unit displays "HC", switches off after 35-minute runtime.


Temperature adjustment and setting function (for hotel setting adjustment) (Special type only)

1. Setting method for lower temperature limit: Under the shutdown state, long-press the temperature down button for 5 seconds. The LCD screen will flash to display the minimum temperature value (e.g., 16). Adjust it via the "+" and "-" buttons, and press the power button to confirm.
2. Setting method for upper temperature limit: Under the shutdown state, long-press the temperature up button for 5 seconds. The LCD screen will flash to display the maximum temperature value (e.g., 32). Adjust it via the "+" and "-" buttons, and press the power button to confirm.

For Dry Connect (On-Off) Terminal Port CN3 and Short-Circuit Connection Cable (Special type only)

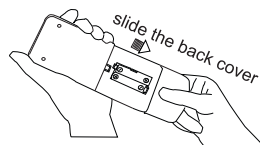
1. When using the Dry Connect function, remove the mating terminal from the short-circuit connection cable.
2. The device will turn on when the short-circuit connection cable is closed.
3. The device will enter standby mode when the short-circuit connection cable is disconnected.
4. The device will respond to requests within 3 minutes when the short-circuit connection cable switches from closed to disconnected.
5. When the short-circuit connection cable is closed, you can select the desired operating mode via the remote control, Wi-Fi, or emergency button; when disconnected, the device will no longer respond to commands from the remote control, Wi-Fi, or emergency button without any notification.

Soft /gentle wind(Special type only)

1. Only in cooling mode, long-press the "FAN SPEED" button for 3 seconds to enter the soft/gentle wind state. The LCD screen will display the "  " icon. There is no soft /gentle wind function in other modes.
2. When the soft /gentle wind is operating, the swing ico.

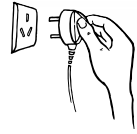
REPLACEMENT OF BATTERIES

- When the signal from the remote controller becomes weak and the indoor unit can not receive it properly; or the indications on the display screen becomes blurred, please slide the back cover and replace with two new batteries.
- The positive and negative poles must match the installation positions.
- New batteries of the same type have to be used for replacement.
- If the remote controller is not to be used for long time, take out the batteries so as to prevent the leakage of the electrolyte from damaging the controller.
- If when the remote controller is at abnormal state, you can take out the batteries on the back cover to clear off the display.



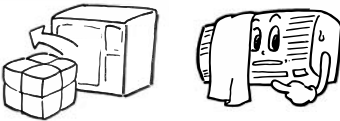
Methods of maintenance

⚠ The air conditioner must be turned off and plug pulled out before the maintenance is to be carried out.



Before the season of operation

1. Check if there are any blocking materials in the intake and outlet vents of the indoor and outdoor units.



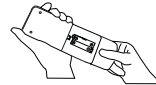
3. Check if the machine is properly grounded.



4. Check if the air filter is clean.

5. Connect to the power source.

6. Put batteries in the remote controller.



2. Check if the installation stand is corroded or rusty.

During the season of operation

The cleaning of the air filter screen. If the air filter screen is blocked by dust or dirt, the performance of cooling and heating will be affected, with the operation noise and power consumption increased. Therefore, the air filter screen should be cleaned regularly. Cleaning of unit should be performed by an authorized dealer or a licensed service provider.

1. Remove the air filter screen from the unit.

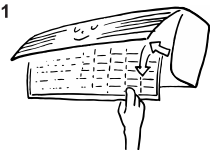
Model 1

- Gently press the tow lower ends of the grid and open it.
- Gently pull up the air filter screen and take it out in the direction of your body.

Model 2/Model 3

Grip the tab on the end of the air filter, lift it up.

Model 1



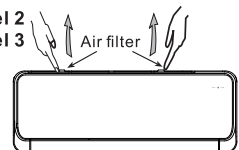
2. Clean the air filter screen.

If the screen is very dirty, please use lukewarm water (about 30°C or 86°F) to clean it. Air it dry after the cleaning.

⚠ CAUTION

- Do not use boiling water to clean the screen.
- Do not bake the screen dry over a fire.
- Do not exert too much force in pulling and stretching the screen.

Model 2
Model 3



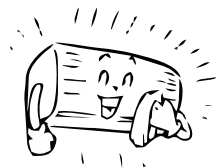
3. Install the air filter screen.

⚠ CAUTION

To operate the air conditioner without the air filter screen on will cause the interior of the machine dirty which might lead to poor performances or damages to the units.

4. Clean the indoor unit.

- Use a soft and dry cloth to rub the indoor unit, or use a vacuum cleaner to clean it.
- If the indoor unit is very dirty, use a piece of cloth and soak it with neutral home-use detergent to do the clearing.



⚠ CAUTION

Any maintenance and cleaning of outdoor unit should be performed by an authorized dealer or a licensed service provider.

Any unit repairs should be performed by an authorized dealer or a licensed service provider.

After the season of operation

1. Set the temperature at 30°C or 86°F and operate in the fan status for about half a day. (To make the interior of the units dry.)

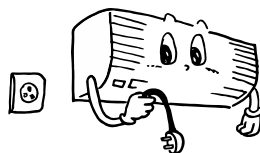
2. Stop the operation of the machine and turn off the power switch.

The air conditioner will consume about 5W of electric power after the machine is turned off. For the purpose of energy saving and safety, it is advisable to pull the plug out during the non-operational seasons.

3. Clean and install the air filter screen.

4. Clean the indoor and outdoor units.

5. Take the batteries out from the remote controller.



Treatment at service call

⚠ CAUTION

Do not repair the air conditioner by yourself as wrong maintenance may cause electric shock or fire or explode, please contact the authorized service center.

Please check the following before requesting after-sale service from your dealer.

The air conditioner does not operate at all.

Is the power plug in an outlet?	Is the time set to "ON" position?	Is there a power failure or a blown fuse?
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Poor cooling or heating performance.

Is the room temperature setting suitable?	Are the air filters clean (Not clogged)?	Are the window(s) and door(s) opened?
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Poor cooling performance.

Is direct sunlight entering the room?	Is there a heat source in the room?	Are there too many people in the room?
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Cases requiring immediate contact with the distributor

CAUTION

Pull out the power plug immediately and inform to your distributor in the following situations.

When faulty operation movement is observed when the RUN button is pressed, even after pulling out the power plug and restarting the operation after 3 minutes, faulty movement does not disappear.

Fuse or breaker often breaks off.	Power plug or code is excessively hot.
Covering of power plug or code is broken.	Malfunction is observed TV, Radio or other devices.
Switch dose not actuate surely.	Abnormal noise is heard during operation.

Common Issues

We hope you will know the following when using the unit.

Issue	Possible Causes
The unit can not be restarted just after shut down.(RUN lamp is illuminating)	Restart is stopped for 3 minutes after shut down to protect the unit.Three-minute protection timer incorporated in the microcomputer actuates automatically, Except that power is connected, this function does not actuate.
Air is not blown out at starting of heating operation.	Air blow is stopped to prevent blowing out of cold air until the indoor heat exchanger is warmed. (2 to 5 min)(HOT KEEP)
The unit will not stop blowing out the air immediately after shut down at COOL operation (some model).	Because the unit is doing mould proofing operation and indoor fan motor runs at low speed. The louver will not close down until after 30 seconds.
Air is not blown out for 6 to 12 min, at heating operation.	When outdoor temperature is low and humidity is high, the unit sometimes performs defrosting automatically. Please wait. During defrosting, water or steam are raising from the outdoor unit.
Air is not blown out at DRY operation.	Indoor fan is sometimes stopped to prevent vapor of dehumidified moisture and save energy.
Mist is blown out at COOL operation.	This phenomenon sometimes occurs when the temperature and humidity of the room are very high, but it will disappear with the lowering of the temperature and humidity.
Odor is sent out.	Air blown out during operation may smell. This is the smell of tobacco or cosmetics sticked to the unit.
Noise is heard cracking sound.	This is caused by the refrigerant that is circulating inside the unit.
Noise is heard cracking sound. After a power stop page or after disconnecting the power supply plug.	This is caused by heat expansion or contraction of plastics.
Operation can not be restarted even if the power is recovered.	The memory circuit of the microcomputer is cleared. Operate the remote controller again to restart the operation.
Remote control signals are not received.	Remote control signals may not be received when signal receiver on the air conditioner body is exposed to direct sunlight or strong lighting. In that case, interrupt the sunlight or darken the lighting.
Moisture may form on the air outlet grilles.	If the unit is operated for a long period of time with the high humidity, moisture may form on the air outlet grilles and drip down.

