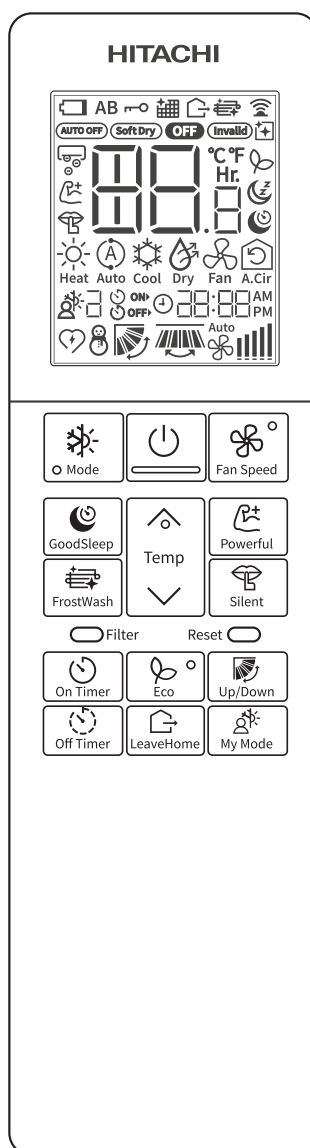


HITACHI

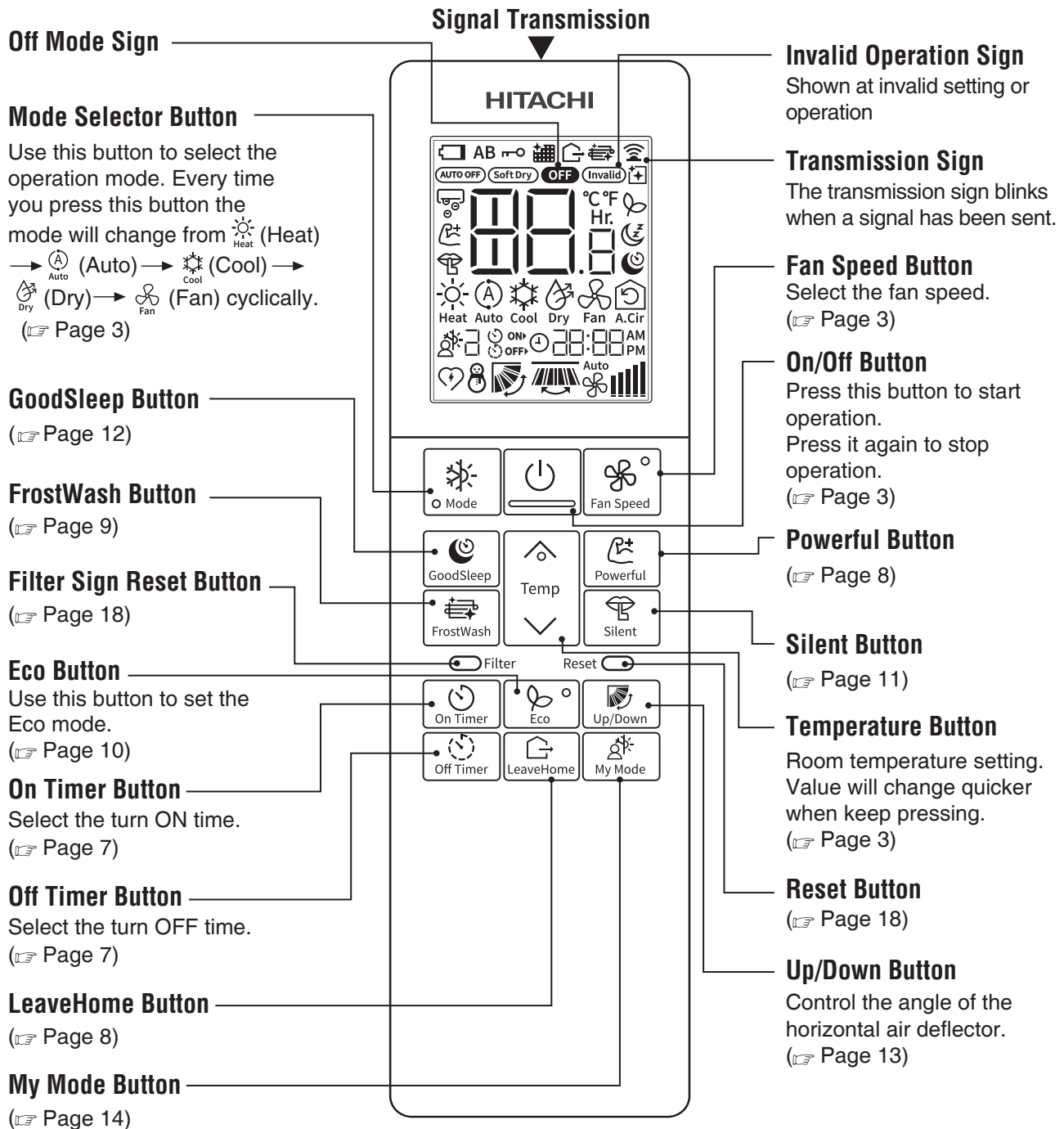
Remote Controller Manual

MODEL
RC-AGU1EA0G



Names and Functions of Remote Controller

- This controls the operation function and timer setting of the room air conditioner. The range of control is about 7 meters. If indoor lighting is controlled electronically, the range of control may be shorter.



Backlight function

- Backlight is to see the LCD readings in the dark.
- On Pressing any key, the LCD panel lights up for a period of approx. 10 seconds. After approx. 10 seconds the light automatically switches off.
- The function is independent of all other functions of the air conditioner.
- The backlight color is white.

Precautions for Use

- Do not put the remote controller under direct sunlight and high temperature.
- Do not drop it on the floor, and protect it from water.
- If you press the FUNCTION button during operation, the air conditioner may stop for about 3 minutes for protection before you can start it again.

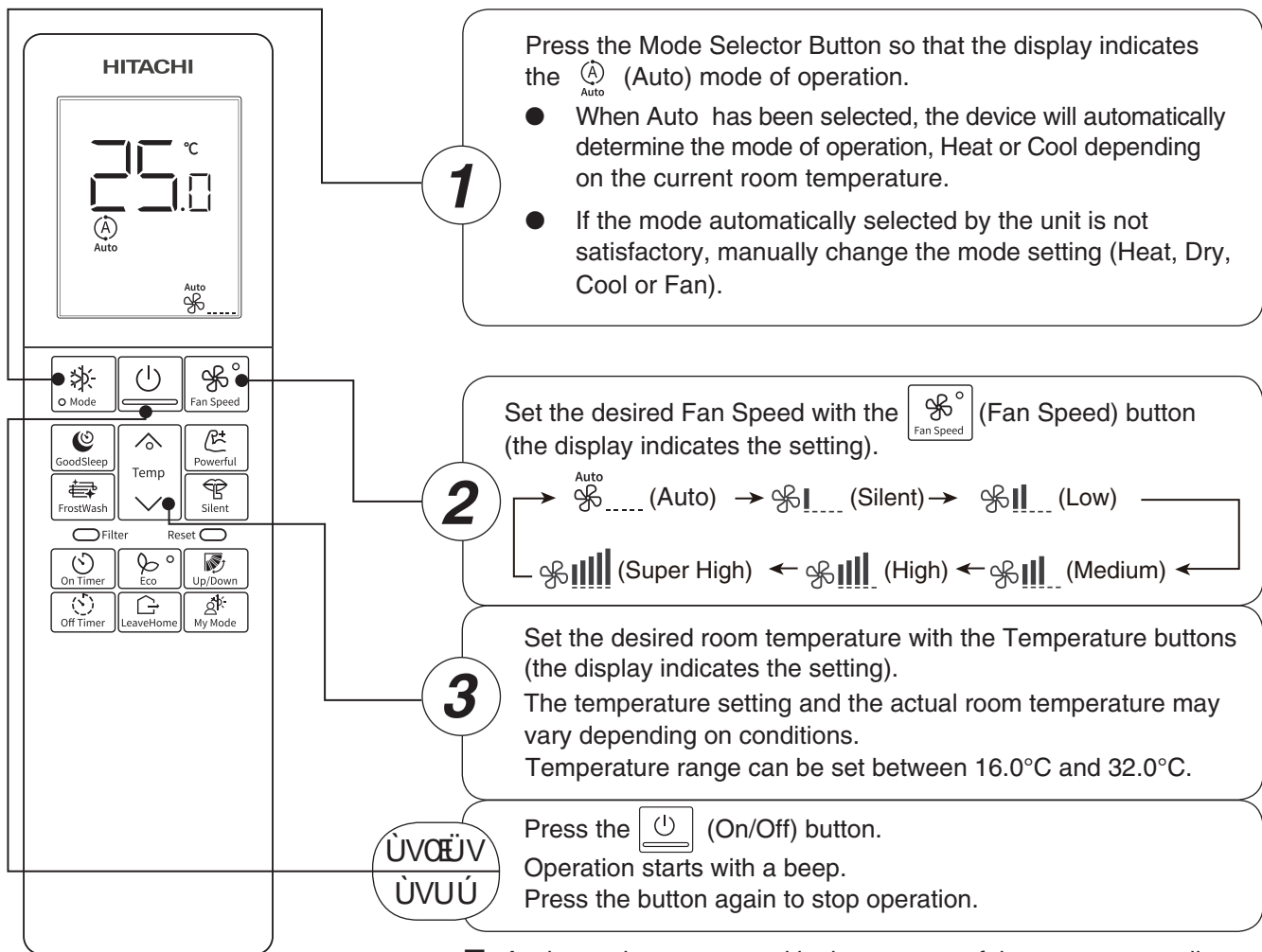
Various Functions

Auto Restart Control

- If there is a power failure, operation will be automatically restarted when the power is resumed with previous operation mode and airflow direction.
(As the operation is not stopped by remote controller.)
 - If you intend not to continue the operation when the power is resumed, switch off the power supply.
When you switch on the circuit breaker, the operation will be automatically restarted with previous operation mode and airflow direction.
- Note: 1. If you do not require Auto Restart Control, please consult your sales agent.
2. Auto Restart Control is not available when Timer or GoodSleep Timer is set.

Auto Mode

The device will automatically determine the mode of operation, Heat Mode or Cool Mode depending on the current room temperature. The selected mode of operation will change when the room temperature varies.

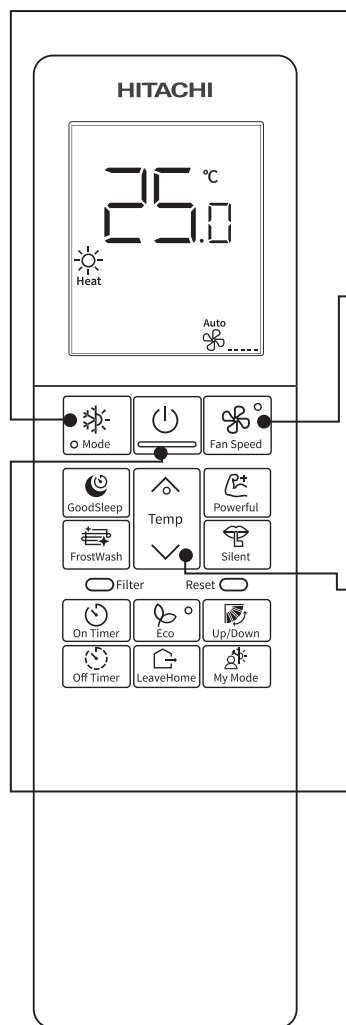



■ As the settings are stored in the memory of the remote controller, you only have to press the (On/Off) button next time.


Press the (Fan Speed) button to select Auto, Silent, Low, Medium, High or Super High.







Heat Mode

- Use the device for heating when the outdoor temperature is under 24°C. When it is too warm (over 24°C), the heating function may not work in order to protect the device.
- In order to keep reliability of the device, please use this device above -15°C of the outdoor temperature.





1 Press the Mode Selector Button so that the display indicates  (Heat).

2 Set the desired Fan Speed with the  (Fan Speed) button (the display indicates the setting).

Auto  (Auto) →  (Silent) →  (Low) →  (High) →  (Super High) ←  (Medium) ←

3 Set the desired room temperature with the Temperature buttons (the display indicates the setting).
The temperature setting and the actual room temperature may vary depending on conditions.
Temperature range can be set between 16.0°C and 32.0°C.

START STOP Press the  (On/Off) button. Heating operation starts with a beep. Press the button again to stop operation.

- As the settings are stored in the memory of the remote controller, you only have to press the  (On/Off) button next time.
- During Auto fan, the fan speed automatically changes as below:
 - When the difference between room temperature and setting temperature is large, fan starts to run at Super High speed.
 - After room temperature reaches the preset temperature, fan speed will be changed to lower speed to obtain optimum room temperature condition for natural healthy heating.

■ Defrosting

Defrosting will be performed about once an hour when frost forms on the heat exchange of the outdoor unit, for 5~10 minutes each time.
During defrosting operation, the operation lamp blinks in cycle of 2 seconds on and 1 second off.
The maximum time for defrosting is 20 minutes.
(If the piping length used is longer than usual, frost will likely to form.)

Dry Mode

Use the device for dehumidifying when the room temperature is over 16°C.
When it is under 15°C, the dehumidifying function will not work.

1 Press the Mode Selector Button so that the display indicates (Dry). The fan speed is set at Auto. Press (Fan Speed) button to select Silent, Low or Auto fan speed.

2 Set the desired room temperature with the Temperature Buttons (the display indicates the setting). The range of 20.0°C to 26.0°C is recommended as the room temperature for dehumidifying. Temperature range can be set between 16.0°C and 32.0°C.

START STOP Press the (On/Off) button. Dehumidifying operation starts with a beep. Press the button again to stop operation.


■ As the settings are stored in the memory of the remote controller, you only have to press the (On/Off) button next time.


■ Dehumidifying Function







- When the room temperature is higher than the temperature setting: The device will dehumidify the room, reducing the room temperature to the preset level.
When the room temperature is lower than the temperature setting: Dehumidifying will be performed at the temperature setting slightly lower than the current room temperature, regardless of the temperature setting.
- The preset room temperature may not be reached depending on the number of people present in the room or other room conditions.

Cool Mode



Use the device for cooling when the outdoor temperature is -10 to 46°C.
If humidity is very high (over 80%) indoors, some dew may form on the air outlet grille of the indoor unit.

1 Press the Mode Selector Button so that the display indicates  (Cool).


2 Set the desired Fan Speed with the  (Fan Speed) button (the display indicates the setting).

Auto  (Auto) →  (Silent) →  (Low) →  (Super High) ←  (High) ←  (Medium) ←

3 Set the desired room temperature with the Temperature Buttons (the display indicates the setting).
The temperature setting and the actual room temperature may vary depending on conditions.
Temperature range can be set between 16.0°C and 32.0°C.

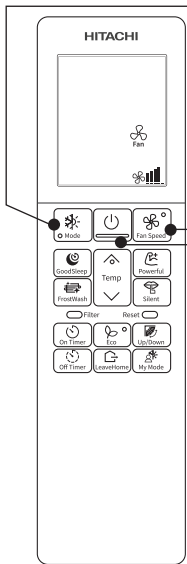
Press the  (On/Off) button. Cooling operation starts with a beep. Press the button again to stop operation. The cooling function does not start if the temperature setting is higher than the current room temperature (even though the  (Operation) lamp lights). The cooling function will start as soon as you set the temperature below the current room temperature.









START STOP

- As the settings are stored in memory in the remote controller, you only have to press the  (On/Off) button next time.
- During Auto fan, the fan speed automatically changes as below:
 - When the difference between room temperature and setting temperature is large, fan starts to run at Super High speed.
 - After room temperature reaches the preset temperature, fan speed will be changed to lower speed to obtain optimum room temperature condition for natural healthy cooling.

Fan Mode

User can use the device simply as an air circulator.



- 1** Press the Mode selector button so that the display indicates  (Fan).
- 2** Press the  (Fan Speed) button.
 -  (Silent) →  (Low) →  (Medium)
 -  (Super High) ←  (High) ←
- START STOP** Press the  (On/Off) button. Fan operation starts with a beep. Press the button again to stop operation.


Timer Reservation

■ On Timer and Off Timer are available.

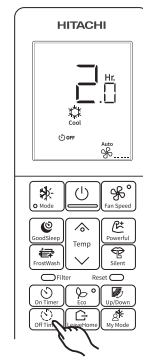
■ Operation stop at setting time

Timer Reservation


1 Off Time setting

- Select the Off Time by pressing the  Button.
- Setting time will change according to the below sequence when you press the button.

Set Temp. -0.5Hr. -1.0Hr. -2.0Hr-3.0Hr..... -10.0Hr. -11.0Hr -12.0Hr.



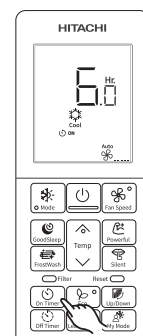
2 On Time setting

- Select the On Time by pressing the  Button.
- Setting time will change according to the below sequence when you press the button.






Set Temp. -0.5Hr. -1.0Hr. -2.0Hr-3.0Hr..... -10.0Hr. -11.0Hr -12.0Hr.




■ Operation will start with setting temperature at setting time.

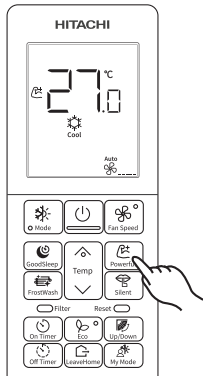


NOTE


- During setting timer, if you do not press any button for 3 seconds then it will come out of setting timer mode with preset time. And On Timer icon "  ON " or Off Timer icon "  OFF " will remain on LCD to indicate timer setting.
- During setting timer, if you press active button then it will come out immediately with timer setting.
- Timer On and Timer Off can be set simultaneously.
- When both timer set simultaneously then arrow "  " mark will appear on LCD appear near "  ON " or "  OFF " which will execute first.
- On Timer or Off Timer can be canceled without long scrolling by pressing On Timer and Off Timer button together for 3 seconds.


Powerful Operation

- By pressing  (Powerful) button during Auto, Heat, Dry, Cool, or Fan operation, the air conditioner performs at maximum power.
- During Powerful operation, cooler or warmer air will be blown out from indoor unit for Cooling or Heating operation respectively.






START

Press the  (Powerful) button during operation.

- "  " is displayed on the LCD.
- Powerful operation ends in 20 minutes. Then the system automatically operates with the previous settings used before Powerful operation.

CANCEL

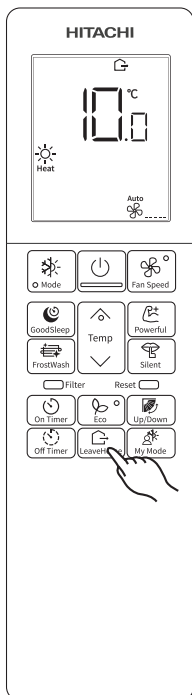
- Press the  (On/Off) button. or
- Press the  (Powerful) button again.
- "  " disappears from the LCD.

NOTE





- When Eco Operation, LeaveHome Operation, Silent Mode, GoodSleep Timer or My mode is selected, Powerful Operation will be cancelled.
- During Powerful operation, capacity of the air conditioner will not increase
 - if the air conditioner is already running at maximum capacity.
 - just before defrost operation (when the air conditioner is running in Heating operation).

LeaveHome Operation



- Prevent the room temperature from falling too much when no one is at home. The initial setting temperature is 10.0°C and the temperature range can be set between 10.0°C and 16.0°C.



START

- ① Press  (LeaveHome) button during stop or operation.
Room temperature is set at 10.0°C and heating operation starts.
- ② Set the desired room temperature with the Temperature buttons. Temperature range can be set between 10.0°C and 16.0°C.
 - "  ", "  ", "  ", "Set Temperature" is displayed on the LCD.

CANCEL

- Press the  (On/Off) button. or
- Press the  (LeaveHome) button again.
- Change to other Operation Mode.

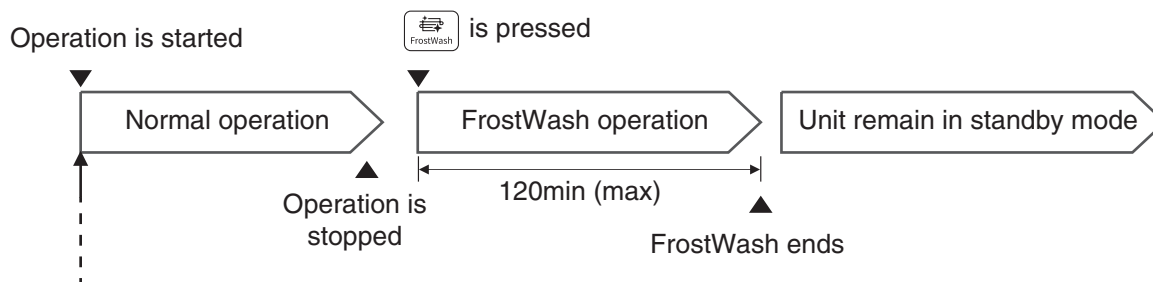
NOTE


- During LeaveHome operation, fan speed and horizontal air deflector position cannot be changed.

FrostWash Operation

- The dust and dirt adhering to indoor heat exchanger which is the cause of the smell. They are washed away by freezing and thawing of the heat exchanger.
- FrostWash function can work when the outdoor temperature is 1°C to 43°C and Indoor humidity is 30% to 70%.

The process of FrostWash









- "  " lamp on the indoor unit lights up during FrostWash operation.
- When pressing "On/Off" button during FrostWash operation, FrostWash will stop.
- In order to protect the product, FrostWash function cannot be carried out again for about 60 minutes after FrostWash operation is completed.

■ FrostWash(Manual Mode)

When the unit is off, press  (FrostWash) button, manual FrostWash will start.

■ How to start and cancel FrostWash (Manual mode).

- Press the FrostWash button , FrostWash  display on LCD screen. FrostWash operation start with beep sound and "  " lamp light up on the indoor unit.
 - After one hour, "  " disappears from the LCD. After about two hours, the indoor unit will stop FrostWash operation.
 - In order to protect the product, FrostWash function cannot be carried out again for about 60 minutes after the FrostWash operation is completed.

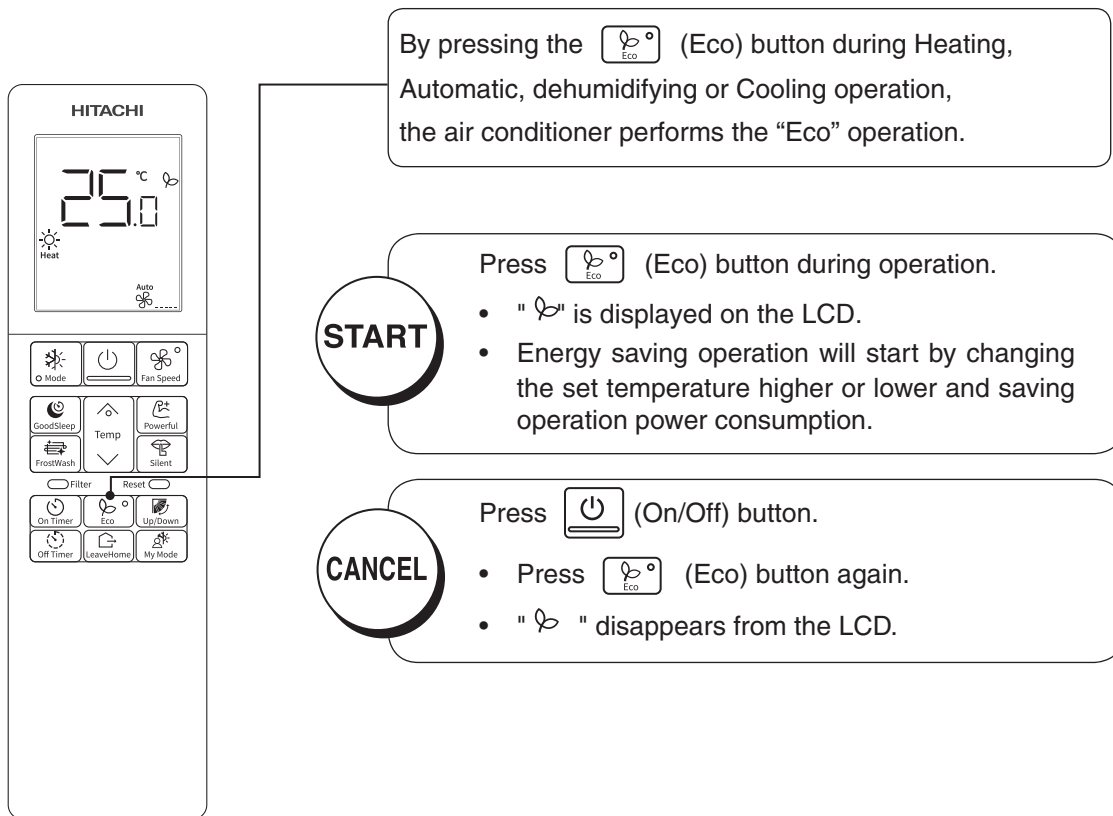
- Press the  (On/Off) button, the operation will stop. "  " lamp on the indoor unit turns off.

Precautions for Use

- Do not open windows or doors during FrostWash operation. Water will condense on the air deflector and drips down occasionally. This will wet your furniture.
- Do not open or remove the front panel during FrostWash operation. It may cause injury or malfunction.
- FrostWash operation does not wash away all dust and dirt.
- Hissing, fizzy or squeaking noise may generate during FrostWash operation.
- If the air conditioner is continuously running, FrostWash function is not effective.
- During FrostWash operation, if power is turned off and then power is restored, FrostWash function will not restart.
- After turning on the power, please wait a moment if you want to start FrostWash.
- If On Timer or Off Timer is set, there is a need to cancel those timer before operating FrostWash.

Eco Operation



- Energy saving operation by changing set temperature and by limiting the maximum power consumption value.

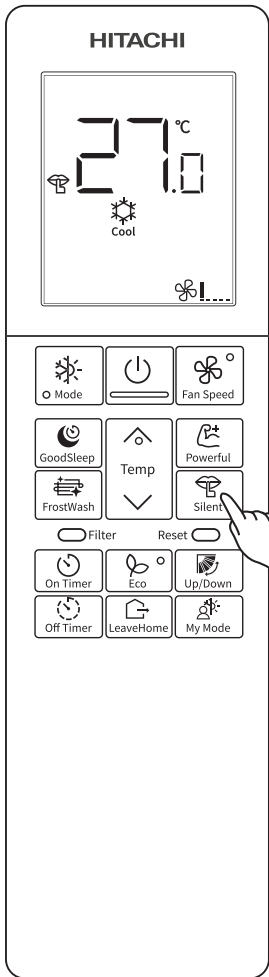


NOTE




- In case the power consumption is already low, Eco operation will not reduce the power consumption.
- By Pressing Powerful button, Mode button, LeaveHome button or My mode button , ECO operation will be cancelled.
- After auto restart, Eco Operation is cancelled and previous operation mode shall start.

Silent Mode




By pressing the  (Silent) button during Auto, Heat, Dry, Cool or Fan operation, the fan speed changes to the silent fan speed .




START

- When  (Silent) button is pressed,
- “” is displayed on the LCD.
- Fan speed changes to silent .



CANCEL

- Press the  (On/Off) button, or
- Press the  (Silent) button once again or
- Press the  (Fan Speed) button.


Fan speed will return to the previous speed before Silent operation starts.

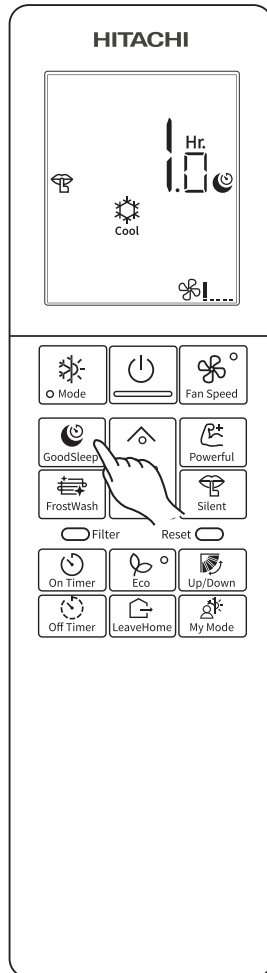
When Silent operation stops, “” will disappear from the LCD.


NOTE

- When Powerful operation is selected, Silent operation will be cancelled. Fan speed will return to the previous speed before Silent operation.
- After unit auto restart, Silent operation is cancelled. Fan speed will return to the previous speed before Silent operation.
- During any operations with silent fan speed , if user presses the  (Silent) button, the fan speed does not change.
- By Pressing Mode button or LeaveHome button or My mode button , Silent operation is cancelled.

GoodSleep Timer Setting


By pressing the  (GoodSleep) button during Auto, Heat, Dry, Cool or Fan operation, the unit shifts the room temperature and reduces the fan speed.



Mode	Indication
GoodSleep Timer	Set Temp. -0.5Hr. -1.0Hr. -2.0Hr-3.0Hr..... -10.0Hr. -11.0Hr -12.0Hr. 

During GoodSleep Timer the unit will continue working for the designated number of hours.

START



When  (GoodSleep) button is pressed,

- Timer information is displayed on the LCD.
- The timer Lamp lights up and a beep sound is emitted from the indoor unit.

- Press the  (On/Off) button.

Room air conditioner will enter Standby mode.

CANCEL


- Press the  (GoodSleep) button again until timer cancels. “” and number of hours will disappear from the LCD.


The timer Lamp turns off and a beep sound is emitted from the indoor unit.


NOTE


- The indoor fan speed of air conditioner does not change even when fan speed button is pressed.
- If you set the GoodSleep timer when the Off timer or On Timer has been set earlier, the GoodSleep timer becomes effective instead of the Off timer or On Timer set earlier.
- On timer and Off timer can not be set if GoodSleep timer set earlier.
- GoodSleep timer will be cancelled if selected My Mode or LeaveHome Operation.


Adjusting the Airflow Direction


1 Adjust the airflow upward and downward.
According to operation, the horizontal air deflector is automatically set to the proper angle suitable for each operation. The deflector can be swung up and down and also set to the desired angle using the “ (Up/Down)” button.

Press the “ (Up/Down)” button. The deflector will start to swing up and down.

“” is display on LCD screen.

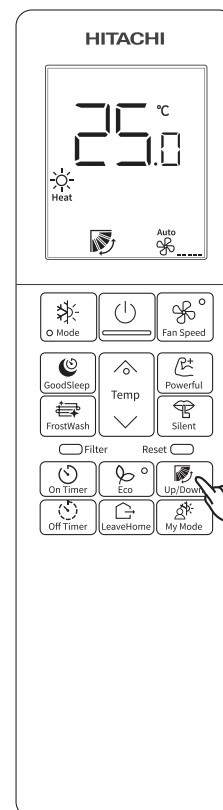
Press the “ (Up/Down)” button again. The deflector(s) will stop in the current position.

“” is disappear on LCD screen.

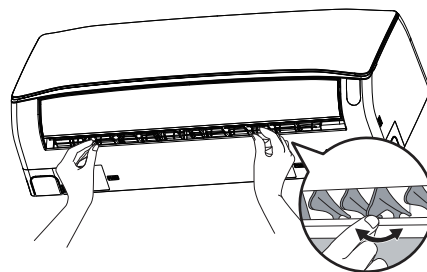
- If the “ (Up/Down)” button is pressed once, the horizontal air deflector swings up and down. If the button is pressed again, the deflector stops in its current position. Several seconds (about 6 seconds) may be required before the deflector starts to move.
- When the operation is stopped, the horizontal air deflector moves and stops at the position where the air outlet closes.

CAUTION

- In “Cooling” operation, do not keep the horizontal air deflector swinging for a long time. Some dew may form on the horizontal air deflector and some dew may drop from it.



2 Adjust the airflow to left and right.
Hold the vertical air deflector as shown on the right and adjust the airflow to left and right.



My Mode(Programming)








- Use this mode for personalized comfortable settings. The My Mode can be set by using the remote controller.
- Up to 3 programs can be set.

Programming of My Mode








Default Setting of My Mode

My Mode	Mode	Temperature	Fan Speed	ON Timer / OFF Timer	Silent
My Mode1	COOL	25. C	Auto	No setting	No setting
My Mode2	COOL	25. C	Auto	No setting	No setting
My Mode3	COOL	25. C	Auto	No setting	No setting



Enter to My Mode programming

- Press the My Mode button continuously for 5 seconds .
 - “” blinks on the LCD. And “1”, “2” or “3” 
 - The blinking of “” will remain for 10 seconds.
 - By pressing the  (My Mode) button, “1”, “2” or 3” selected for programming.




Mode Selection

- Press  (Mode) button in order to select desired Mode during “” blinks.
 - Mode will change from  (Heat) →  (Auto) →  (Cool) →  (Dry) →  (Fan) cyclically.



Fan Speed Selection

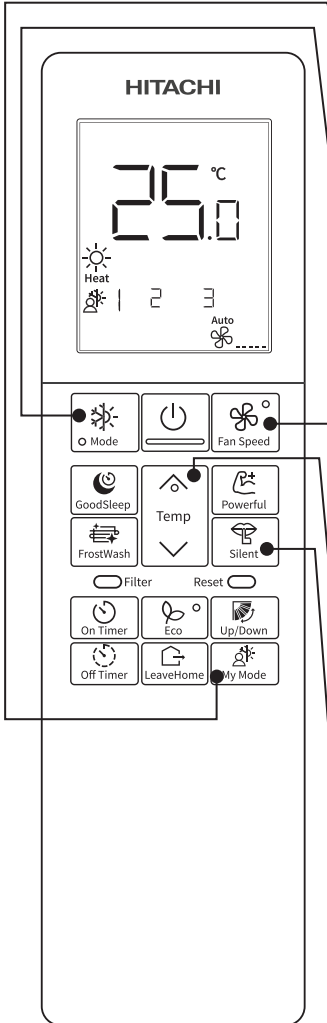
- Press  (Fan Speed) button in order to select desired Fan Speed during “”
 - Available Fan speed only can be selected as per selected desired mode.

Desired Room Temperature Selection

- Press  button or  button in order
 - Temperature during “”
 - Temperature range can be set between 16.0°C and 32.0°C.
 - Fan Mode can not be set desired Room Temperature.

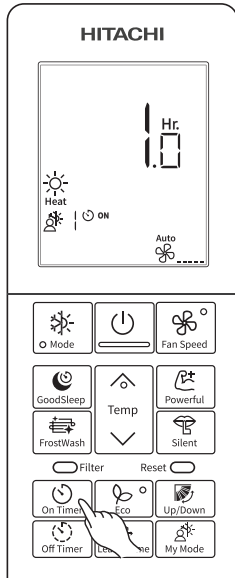
Silent Mode Selection

- Press  (Silent) button in order to set or cancel Silent Mode during “” blinks.




My Mode(Programming)

Programming of My Mode

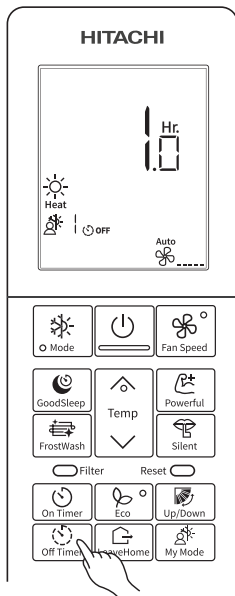


On Timer Setting Selection

6


- Press  (On Timer) button in order to select On Timer setting during "🌞" blinks.
- "🌞 ON" blinks on the LCD.
- Setting time will change according to the below sequence when you press the button.

Set Temp. -0.5Hr. -1.0Hr. -2.0Hr-3.0Hr..... -10.0Hr. -11.0Hr -12.0Hr.



Off Timer Setting Selection

7


- Press  (Off Timer) button in order to select Off Timer setting during "🌞" blinks.
- "🌞 OFF" blinks on the LCD.
- Setting time will change according to the below sequence when you press the button.

Set Temp. -0.5Hr. -1.0Hr. -2.0Hr-3.0Hr..... -10.0Hr. -11.0Hr -12.0Hr.




Register of My Mode Programming

8

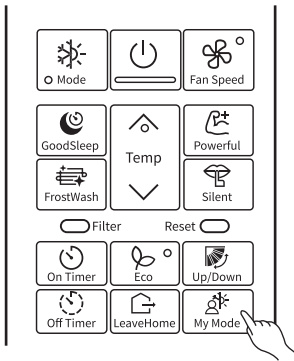
- Once all desire setting completed , press  (On/Off) button during "🌞" blinks.
- All selection will be saved to remote controller and room air conditioner.

NOTE



- If operation of remote controller will not be done for 10 seconds during My Mode programming, remote controller will come out from My Mode programming without registering of My Mode Programming. without registering of My Mode Programming, My Mode selection will remain with all previously selections and previous values.
- If My Mode button is kept pressing for 5 seconds during My Mode Programming, remote controller will come out from My Mode programming. without registering of My Mode Programming, My Mode selection will remain with all previously selections and previous values.
- If battery is replaced or  (Reset) button is pressed, My Mode Programming on remote controller will be reset to default settings. if new settings are required, do My Mode Programming again.
- When Operation Mode Lock is set, selectable mode during My Mode will be limited.

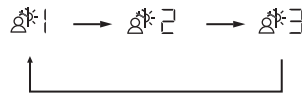
My Mode(Start or Stop of My Mode Operation)

Start of My Mode Operation

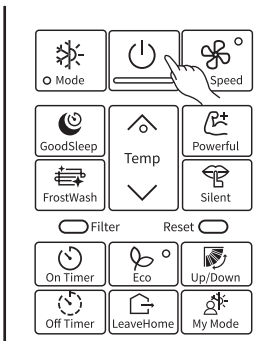


Start of My Mode Operation

- Press  (My Mode) button at room air conditioner operation.
Room air conditioner starts with My Mode 1 registered to remote controller.
- Press  (My Mode) button again in order to change to the operation of My mode 2, My mode 3.






Stop of My Mode Operation



Stop of My Mode Operation

- Press  (On/Off) button in order to turn off room air conditioner.

NOTE

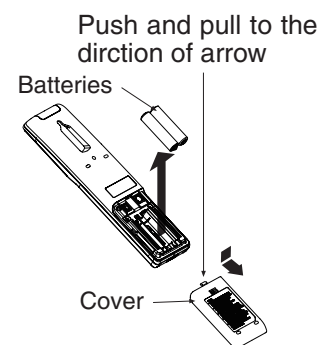
- My Mode operation can be cancelled by pressing  (Mode) button or  (LeaveHome) button.
- If My Mode Operation is started without programming of My Mode yet, room air conditioner starts with default setting of My Mode.
- If On Timer or Off Timer set by My Mode has elapsed, pressing  (My Mode) button again to restart the Timer operation.
- FrostWash (Manual Mode) will not activate during My Mode.
- Up/Down button is active during My mode for adjusting horizontal air deflector.

How to Exchange the Batteries in the Remote Controller

- 1 Remove the cover as shown in the figure and take out the old batteries.



- 2 Install the new batteries.
The direction of the batteries should match the marks in the case.



CAUTION

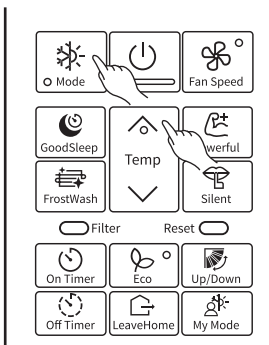
1. Do not use new and old batteries, or different kinds of batteries together.
2. Take out the batteries when you do not use the remote controller for 2 or 3 months.

NOTE

- Change the batteries when remote controller LCD display restarts on pressing of any key and there is no response from air conditioner.

Operation Mode Lock

The remote controller can be set to fix the Heat Mode (including Fan Mode), Cool Mode and Dry Mode (including Fan Mode) operations.



■ Method to lock Heat Mode (including Fan Mode) operation.

Press (Mode) and buttons simultaneously for about 3 seconds

when the remote controller is OFF.

“”, “” and “” will be displayed for about 10 seconds. Later, “” and “” will remain.

This indicates that Heat Mode operation is locked.

When pressing (Mode) button, “”, or “” will be displayed.

■ Method to unlock Heat Mode (including Fan Mode) operation.

Press (Mode) and buttons simultaneously for about 3 seconds

when the remote controller is OFF.

All operation mode symbols will appear on the display for about 10 seconds “” will disappear. After that, “” will remain.

This indicates that Heat Mode operation is unlocked.

■ Method to lock Cool Mode and Dry Mode (including Fan Mode) operations.

Press (Mode) and buttons simultaneously for about 3 seconds when the remote controller is OFF.

“”, “”, “” and “” will be displayed for about 10 seconds. Later, “” and “” will remain.

This indicates that Cool Mode and Dry Mode operation is locked.

When pressing (Mode) button, “”, “”, or “” will be displayed.

■ Method to unlock Cool Mode and Dry Mode (including Fan Mode) operations.

Press (Mode) and buttons simultaneously for about 3 seconds when the remote controller is OFF.

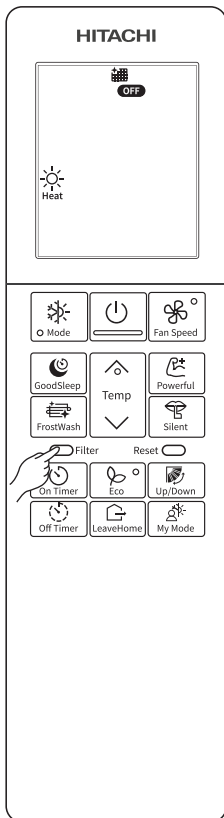
All operation mode symbols will appear on the display for about 10 seconds “” will disappear. After that “” will remain.


This indicates that Cool Mode and Dry Mode operation is unlocked.

NOTE


- Operation Mode Lock function will not activate if Timer reservations or My Mode is activate. Timer reservations shall be deactivated first. Then, Operation Mode Lock function can be activated.
- Operation Mode Lock can be kept even if (Reset) button is pressed.
- Operation Mode Lock will not be set if FrostWash(Manual Mode) is in progress.
- LeaveHome button is disable during lock Cool mode and Dry Mode operation.

How to Reset Filter Sign on the indoor unit



Filter Sign on the indoor unit will show with “” lamp by blinking with 1 second on and 4 seconds off. Because cleaning of Air filter has not been done for a long time. Clean the Air filter.

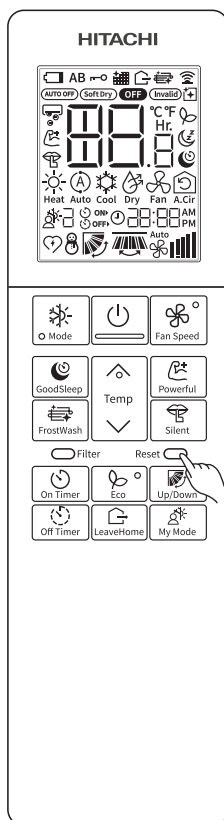
Press Filter Button at Off Mode pointing the remote controller towards the indoor unit to reset Filter Sign.

“” symbol will be visible on LCD screen for about 3 seconds and Filter Sign on the indoor unit will turn off.

NOTE

- Filter Button is active in OFF mode only.

Reset Function (For Hardware Reset)



During Battery replacement or any unlikely event, if the display does not change on Press of key or any unwanted garbage display comes, Press Reset button to reset your remote controller hardware.

In order to reset remote controller hardware , Press and release Reset button, the display will be as shown for 2 seconds then it will change to default mode screen.

NOTE

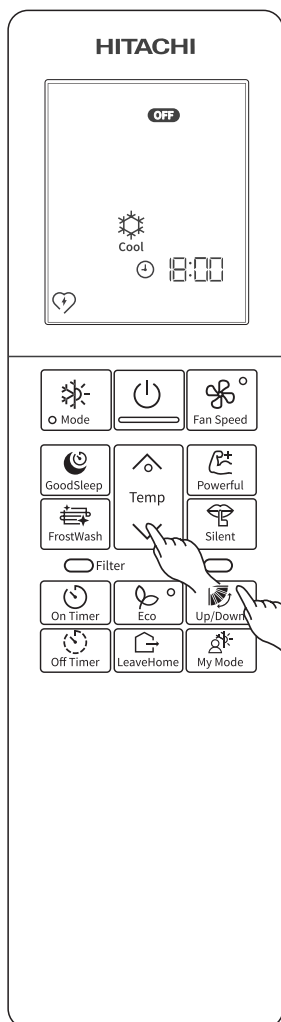
- Use some pointed item like pen to press the reset key.
- Once the remote controller is reset, all setting will reset except some special function activated by User

Power Safe (Max Current Switching)

- This function limit the maximum current during the operation of Air conditioner so it will help to avoid breaker trips if maximum current reaches to breaker limit. it limits the electrical current during operation.




When Power Safe set , Maximum current limit for model changes as below.

Model	Maximum current with Power Safe setting
2.5~3.5kW	6A
5.0kW	8A






How to set Power Safe mode (Power Safe)

START

- Place the indoor unit in the standby mode (OFF mode on the display of remote controller)
- Press temperature down button  and Up/Down swing button  about 3 seconds together with directing remote control toward indoor unit.
-  symbol will be visible on LCD screen and indoor unit will accept by buzzer sound.

How to cancel Power Safe mode

CANCEL

- Place the indoor unit in the standby mode (OFF mode on the display of remote controller)
- Press temperature down button  and Up/Down swing button  about 3 seconds together.
-  symbol will be disappear on LCD screen and indoor unit will accept by buzzer sound.

NOTE

- Once Power Safe mode set ,it stored In the memory of remote controller and remain set even after remote controller reset or battery replacement case.
- Power Safe mode symbol will be visible in all mode if it set. It is one time setting procedure to use this function.
- This function will limits the maximum current drawn by air conditioner by reducing the speed of the compressor, you may feel less cooling or heating performance compare to normal mode. If you feel so please cancel Power Safe mode if Power Safe mode is set .
- At heating operation or Cooling operation during Power Safe setting maximum capacity will decrease.
- During Power Safe setting mode , it is recommeded to use Auto Fan speed.