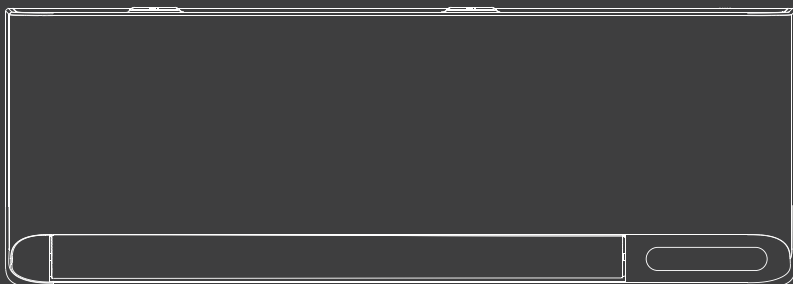


AIR CONDITIONER

coway

CAC09-ST01F

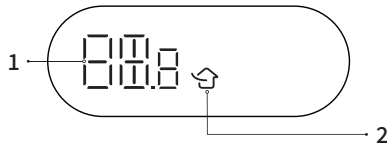
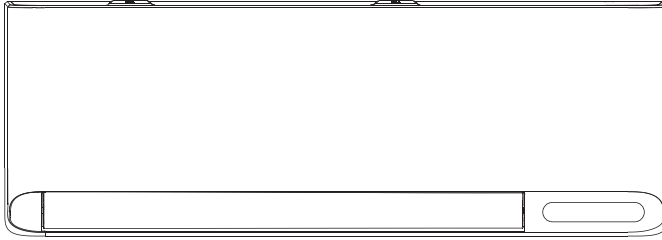
CAC12-ST01F





SPLIT TYPE AIR CONDITIONER USER MANUAL ▶

This instruction manual contains important information and recommendations that we would advise you to comply with to obtain the best results from the air conditioner.

INDOOR DISPLAY

























No.	LED	Function
1		Indicator for Timer, Temperature and Error codes.
2		Lights Up When Fresh Air Function is On.






Note:

The air conditioner automatically adjusts the display brightness and buzzer sound according to the ambient light intensity. When the air conditioner detects that the ambient light is weak for a period of time, it will automatically turn off the display temporarily. If there is a remote control or APP operation, the display will be at the low brightness for a short time, and the buzzer will respond at a lower volume; When the air conditioner detects that the ambient light is strong for a period of time, exit the above operation.

REMOTE CONTROL DISPLAY

No.	Symbols	Meaning
1		Battery Indicator
2		Signal
3		Auto Mode
4		Cooling Mode
5		Dry Mode
6		Fan Only Mode
7		ECO Mode
8		Timer
9		Temperature Indicator
10		Fan Speed: Auto/Speed 1 to Speed 5
11		Mute Function
12		TURBO Function
13		Up-Down Auto Swing
14		Left-Right Auto Swing
15		SLEEP Function
16		I FEEL Function
17		Gentle Wind
18		Child-Lock
19		Display ON/OFF
20		Self-Clean Function
21		Fresh Air
22		Health Function



No.	Button	Meaning
1		To turn ON/OFF the air conditioner.
2		To increase temperature or timer setting.
3		To decrease temperature or timer setting.
4	MODE	To select the mode of operation (AUTO , COOL , DRY , FAN).
5	ECO	To activate/deactivate the ECO function.
6	TURBO	To activate/deactivate the TURBO function.
7	FAN	To select the fan speed of auto/quiet/1~5/turbo.
8	TIMER	To ON/OFF timer.
9	SLEEP	To ON/OFF the sleep function.
10	DISPLAY	To ON/OFF the LED display.
11		To stop or start horizontal louver movement or set the desired up/down airflow direction.
12		To stop or start vertical louver movement or set the desired left/right airflow direction.
13	I FEEL	To switch-on/off the I FEEL function.
14	Quiet	To switch-on/off the Quiet function.
15	MODE + TIMER	To activate/deactivate the CHILD-LOCK function.
16	GENTLE WIND	To activate/deactivate the GENTLE WIND function.
17	HEALTH	To activate/deactivate the SELF-CLEAN function when switching OFF .
18	FRESH AIR	To activate/deactivate the FRESH AIR function and select the fan speed.

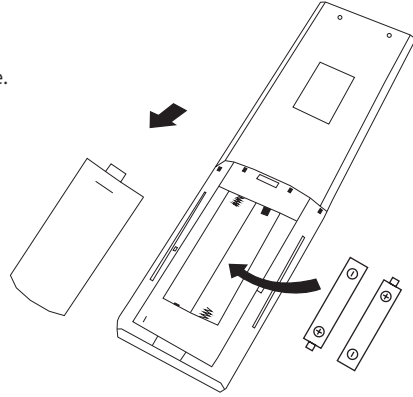
 The unit confirms the correct reception of each button with a beep sound.

REPLACEMENT OF BATTERIES

Remove the battery cover plate from the rear of the remote control, by sliding it following the direction of the arrow.

Install the batteries according to the direction (+ and -) shown on the Remote Control.
Replace the battery cover by sliding it into place.

- ⚠ Use 2 pieces of AAA (1.5V) batteries.
Do not use rechargeable batteries.
Replace the old batteries with new ones of the same type when the display is no longer visible.



Note:

1. Direct the remote control toward the air conditioner.
2. Ensure that there are no objects between the remote control and the signal receptor in the indoor unit.
3. Never leave the remote control to be exposed to the rays of the sun.
4. Keep the remote control at a distance of at least 1m from the television or other electrical appliances.

COOLING MODE

COOL


The cooling function allows the air conditioner to cool the room and reduce air humidity at the same time.

To activate the cooling function (COOL), press the **MODE** button until the symbol ❄️ appears on the display.

Using the button ^ or v, set a temperature lower than that of the room.

FAN MODE (Not FAN button)

FAN


Fan mode is for air ventilation only.

To set the **FAN** mode, press **MODE** until ❄️ appears on the display.

DRY MODE

DRY


This function reduces the humidity of the air to make the room more comfortable.

To set the **DRY** mode, press **MODE** until 💧 appears in the display.

AUTO MODE

AUTO


Automatic mode.

To set the AUTO mode, press **MODE** until ↻ appears on the display.

AUTO run mode will be set automatically according to the room temperature.

CHILD-LOCK function

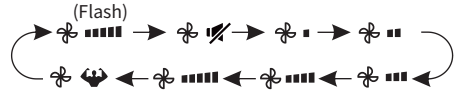
1. Long press **MODE** and **TIMER** buttons together for 3 seconds to activate this function, and repeat it again to deactivate this function.
2. Using this function, not a single button will function.

FAN SPEED function (FAN button)

FAN








Change the operating fan speed.

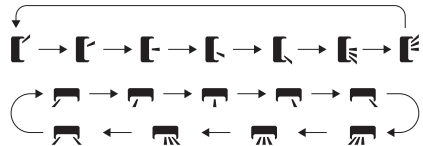
Press **FAN** button to set the running fan speed, it can be set to AUTO/QUIET/LOW/LOW-MID/MID/MID-HIGH/HIGH/TURBO speed circularly.



SWING



1. Press the swing button to activate the louver,
 - 1.1 Press  to activate the horizontal flaps to swing from up to down, the  will appear on the remote display.
 - 1.2 Press  to activate the vertical deflectors to swing from left to right, the  will appear on the remote display.
 - 1.3 Do it again to stop the swing movement at the current angle.
2. To manually set a specific position, long press  or  for more than 3 seconds to select different airflow directions.



- ⚠️ Never position the flaps manually by hand. The delicate mechanism will get seriously damaged.
- ⚠️ Never put fingers, sticks or other objects into the air inlet or outlet vents. Such accidental contact with foreign objects might cause unforeseeable damage or injury.



TIMER function — TIMER ON

TIMER

To automatically switch on the unit at a set time.

When the unit is switched off, you can set the TIMER ON.

To set the unit to automatically switch on:

1. Press **TIMER** button,  and  will appear on the remote display and flashes.
2. Press \wedge or \vee button to set desired timer on time. Each time you press the button, the time increases/decreases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.
3. Press **TIMER** button again to confirm.
4. After the timer is turned on, set the desired mode (Cool/Heat/Auto/Fan/Dry), by pressing the **MODE** button. Set the desired fan speed by pressing **FAN** button. And press \wedge or \vee to set the desired operating temperature.

To cancel, press the **TIMER** button.

TIMER function — TIMER OFF

TIMER

To automatically switch off the unit at a set time.

When the unit is switched on, you can set the TIMER OFF.

Set the unit to automatically switch off at a set time.


1. Ensure that the air conditioner is switched on.
2. Press the **TIMER** button once to set the timer. Press \wedge or \vee to set the desired time. Press \wedge or \vee to set the desired timer.
3. Press **TIMER** button second time to confirm.

Cancel it by pressing the **TIMER** button.

Note: All setting operations need to be done in a consecutive manner. In the setting mode, if idle for more than 5 seconds, it will exit the setting mode.

TURBO function


TURBO

To activate turbo function, press the **TURBO** button, and  will appear on the display. Press again to cancel this function.

In cool mode, press **TURBO** feature, the air conditioner will turn to quick cooling mode and operate at the highest fan speed to blow strong air.

Quiet function

Quiet

1. Press **Quiet** button to activate this function, and  will appear on the remote display. Do it again to deactivate this function.
2. When the **Quiet** function is on, the remote controller will display the auto fan speed, and the indoor unit will operate at the lowest fan speed to provide quiet environment.
3. When pressing **FAN/TURBO/SLEEP** button, the **Quiet** function will be cancelled. **Quiet** function cannot be activated under dry mode.

SLEEP function

SLEEP


Pre-set the sleep program.

Press **SLEEP** button to activate the **SLEEP** function, it will appear on the display. Press again to cancel this function.

After 10 hours of running in sleep mode, the air conditioner will change to the previous setting mode.

I FEEL function

I FEEL


Press **I FEEL** button to activate this function, the  will appear on the remote display. Do it again to deactivate this function.

This function enables the remote to measure the temperature at its current location. It then sends the signal to the air conditioner to optimise the temperature around you to ensure optimal comfort.

ECO function

ECO

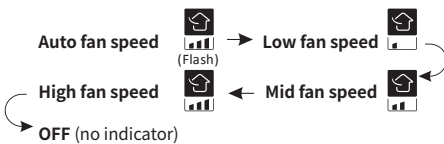
In this mode the appliance automatically sets the operation to save energy.

Press the **ECO** button, the  appears on the display, and the appliance will run in **ECO** mode. Press it again to cancel.

FRESH AIR function

FRESH AIR


Continue to repeatedly press the **FRESH AIR** button until you have selected your desired **Fresh Air** fan speed or deactivate this function. 4 fan speed (LOW/MID/HIGH/OFF).




Note:


- This function is only available in Cooling/Fan/Auto mode.
- If the indoor display shows **CL** on the **Fresh Air** indicator, the filter should be replaced. Hold the **FRESH AIR** button for 5 seconds to clear the **CL** indicator.

SELF-CLEAN function


To activate this function, first turn off the indoor unit. Press **HEALTH** twice until you hear a beep sound, [AC] will appear on the indoor LED, and  will appear on the remote display.

- This function helps carry away the accumulated dirt, bacteria, etc. from the indoor evaporator.
- This function will run for 30 minutes, and it will return to its pre-set mode. You will hear 2 beeps when it's finished or cancelled.

 It's normal if there are some noises during the operation of this function. It may be due to the plastic parts' expansion/shrinkage from the heating and cooling or ice-cracking sounds.

 We suggest operating this function at the following ambient conditions to avoid certain safety protection features.

Indoor unit	Temp < 86°F (30°C)
Outdoor unit	41°F (5°C) < Temp < 86°F (30°C)

 It's suggested to utilize this function every 3 months.


DISPLAY function (Indoor display)

DISPLAY

Switch ON/OFF the LED display on panel.

If the **Fresh Air** function is on, pressing the **DISPLAY** button will also turn the **Fresh Air** indicator lights ON/OFF along with the display panel.

GENTLE WIND function

- Turn on the indoor unit, and change to **COOL** mode, then press **GENTLE WIND** button to activate this function,  will appear on the display. Do it again to deactivate it.
- This function will auto-close the vertical flaps, and give you a comfortable gentle wind feeling.

OPERATION INSTRUCTIONS

- ❗ Using the air conditioner beyond the specified range may cause the air conditioner protection to start deteriorating and the air conditioner will eventually fail to operate. Therefore use the air conditioner in the following temperature conditions.

Inverter air conditioner:

MODE	Cooling	Dry
Temperature		
Room temperature	17°C~32°C	
Outdoor temperature	15°C~50°C (Low-temperature cooling: -15°C~50°C)	

With the power supply connected, restart the air conditioner after shutdown, or switch it to another mode during operation, and the air conditioner protection device will reset. The compressor will resume operation after 3 minutes.

INSPECTIONS BEFORE TEST RUN


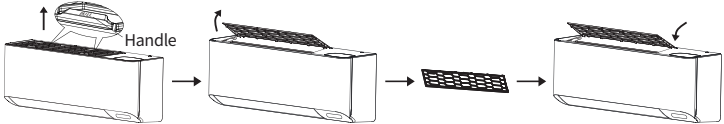

Do the following inspections before test run.

Description	Inspection method
Electrical safety inspection	<ul style="list-style-type: none"> • Check whether the power supply voltage complies with specifications. • Check whether there is any wrong or missing connection between the power lines, signal line and earth wires. • Check whether the earth resistance and insulation resistance comply with requirements.
Installation safety inspection	<ul style="list-style-type: none"> • Confirm the direction and smoothness of drainage pipe. • Confirm that the joint of refrigerant pipe is installed completely. • Confirm the safety of outdoor unit, mounting plate and indoor unit installation. • Confirm that the valves are fully open. • Confirm that there are no foreign objects or tools left inside the unit. • Complete installation of indoor unit air inlet grille and panel.
Refrigerant leakage detection	<ul style="list-style-type: none"> • The piping joint, the connector of the two valves of the outdoor unit, the valve spool, the welding port, etc., where leakage may occur. • Foam detection method: Apply soapy water or foam evenly on the parts where leakage may occur, and observe whether or not bubbles appear or not, if not, it indicates that the leakage detection result is safe. • Leak detector method: Use a professional leak detector and read the instruction of operation, detect at the position where leakage may occur. • The duration of leak detection for each position should last for 3 minutes or more; If the test result shows that there is leakage, the nut should be tightened and tested again until there is no leakage; After the leak detection is completed, wrap the exposed pipe connector of indoor unit with thermal insulation material and wrap with insulation tape.

TEST RUN INSTRUCTION

1. Turn on the power supply.
2. Press the ON/OFF button on the remote controller to turn on the air conditioner.
3. Press the **MODE** button to switch to the mode **COOL**.
Set as below:
COOL - Set the lowest temperature.
4. Run for 8 minutes in **COOL** Mode and check all functions are properly running and responding to the remote controller. Functions check as recommended:
 - 4.1 If the outlet air temperature responds to the cool.
 - 4.2 If the water drains properly from the drainage hose.
 - 4.3 If the louver and deflectors rotate properly.
5. Observe the test run state of the air conditioner for at least 30 minutes.
6. After the successful test run, return to the normal setting and press ON/OFF button on the remote controller to turn off the unit.
7. Inform the user to read this manual carefully before use, and demonstrate to the user how to use the air conditioner, the necessary knowledge for service and maintenance, and the reminder for storage of accessories.

BASIC MAINTENANCE

<p>Clean the unit</p>	 <p>Wring it dry. Gentle wipe the unit surface.</p> <p>Tip: Wipe frequently to keep air conditioner clean and good appearance.</p>
<p>Disassembling and assembling of filter</p>	<ul style="list-style-type: none"> • Grasp the raised handle on the filter by hand, and then pull the filter out in the direction as indicated on the filter of the unit, so that the upper edge of the filter is separated from the unit. The filter can be removed by lifting the filter upwards. • When installing the filter, first insert the lower end of the filter screen into the corresponding position of the unit, and then squeeze the upper end of the filter into the corresponding buckling position of the unit body. 
<p>Clean the filter</p>	 <p>Take out the filter from the unit. Clean the filter with soapy water and air dry it. Replace the filter.</p> <p>Tip: When there is accumulated dust on the filter, clean the filter in time to ensure that the air conditioner operates efficiently.</p>
<p>Service and maintenance</p>	<ul style="list-style-type: none"> • When the air conditioner is not in use for a long time, please do the following: Take out the batteries from the remote controller and turn off the wall switch. • When starting to use the air conditioner after shutting it down for a long period: <ol style="list-style-type: none"> 1. Clean the pre-filter unit. 2. Check and see if there are obstacles in the air inlet & outlet of the indoor and outdoor unit. 3. Check if the drain pipe is unobstructed. 4. Reinstall the batteries of the remote controller.

Malfunction	Possible Causes
The appliance does not operate	Power failure.
	Damaged indoor/outdoor unit fan motor.
	Faulty compressor thermomagnetic circuit breaker.
	Faulty protective device or fuses.
	Loose connections.
	Safety protection kicked in. (Refer Error Codes).
	Voltage surge.
	Active TIMER-ON function. Damaged electronic control board.
Strange odor	Dirty air filter.
Noise of running water	Back-flow of liquid in the refrigerant circulation.
A fine mist comes from the air outlet	This occurs when the air in the room becomes very cold, for example in the COOLING or DRY modes.
A strange noise can be heard	This noise is made by the expansion or contraction of the front panel due to variations in temperature and does not indicate a problem.
Insufficient airflow or not cold	Unsuitable temperature setting.
	Obstructed air conditioner intakes and outlets.
	Dirty air filter.
	Fan speed set at minimum.
	Other sources of heat in the room.
	No refrigerant.
The appliance does not respond to commands	Remote control is not close enough to indoor unit.
	The batteries of remote control need to be replaced.
	Obstacles between remote control and signal receiver in indoor unit.
The display is off	Press DISPLAY button.
	Power failure.
Switch off the air conditioner immediately and cut off the power supply in the event of:	Strange noises during operation.
	Faulty electronic control board.
	Faulty fuses or switches.
	Spraying water or objects inside the appliance.
	Overheated cables or plugs.
	Very strong smells coming from the appliance.

ERROR CODE ON THE DISPLAY

In case of error, the display on the indoor unit shows the following error codes:

Display	Description of the trouble
<i>E1</i>	Indoor room temperature sensor faulty.
<i>E2</i>	Indoor pipe temperature sensor faulty.
<i>E3</i>	Outdoor pipe temperature sensor faulty.
<i>E4</i>	Refrigerant system leakage or faulty.
<i>E6</i>	Malfunction of indoor fan motor.
<i>E7</i>	Outdoor ambient temperature sensor faulty.
<i>E0</i>	Indoor and outdoor communication faulty.
<i>E8</i>	Outdoor discharge temperature sensor faulty.
<i>E9</i>	Outdoor IPM module faulty.
<i>ER</i>	Outdoor current detects faulty.
<i>EE</i>	Outdoor PCB EEPROM faulty.
<i>EF</i>	Outdoor fan motor faulty.
<i>EH</i>	Outdoor suction temperature sensor faulty.
CL	Filter cleaning reminder.

SPECIFICATIONS

Model Name			CAC09-ST01F	CAC12-ST01F
Horsepower			1.0 hp	1.5 hp
BTU			9,000 BTU	12,000 BTU
Type			Cooling Only	Cooling Only
Control Type			Remote Controller	Remote Controller
Declared Cooling Capacity		W	2630 (800~3500)	3530 (1000~4000)
EER		W/W	4.05	3.94
COP		W/W	4.25	3.92
CSPF			5.7	5.5
Indoor Sound Pressure (S/H/M/L/Mute)		dB(A)	41/38/33/27/22	42/38/33/27/22
Outdoor Sound Pressure		dB(A)	50	51
Power Supply			220-240V~/50Hz/1P	220-240V~/50Hz/1P
Voltage Range		V	165~265	165~265
Application Area		m ²	9~16	14~22
Operating Current	Cooling	A	3.8 (1.2~7.0)	4.7 (1.5~9.2)
Refrigerant Type/Charge			R32/0.51kg	R32/0.605kg
Ambient Temperature Range	Outdoor	°C	Cooling: 15-53	Cooling: 15-53
	Indoor	°C	Cooling: 17-32	Cooling: 17-32
Net Dimensions	Indoor	mm	888×313×205	888×313×205
(W×H×D)	Outdoor	mm	777×498×290	795×549×305
Net Weight	Indoor	kg	10.5	11
	Outdoor	kg	20.5	24.5

