

TECHNICAL SPECIFICATION



Nominal Capacity			9K CO	12K CO	18K CO	24K CO
Indoor model			42KHC009VSDC	42KHC012VSDC	42KHC018VSDC	42KHC024VSDC
Outdoor model			38KHC009VSDC	38KHC012VSDC	38KHC018VSDC	38KHC024VSDC
Power supply		Ph-V-Hz	1Ph- 220~240V - 50Hz	1Ph- 220~240V - 50Hz	1Ph- 220~240V - 50Hz	1Ph- 220~240V - 50Hz
Source of Power Supply			Indoor	Indoor	Indoor	Outdoor
Performance (cooling)	Nominal Capacity	Btu/h	9500	12000	18000	24000
	Power Input	W	850	1130	1650	2350
	Current	A	3.9	5.0	7.1	10.3
	EER	Btu/W	11.2	10.6	10.9	11.3
Max. input consumption		W	2200	2200	2750	4100
Max. input current		A	10	10	12.5	18
Indoor unit	Dimension (W×D×H)	mm	730×192×291	812×192×300	973×218×319	1082×229×338
	Packing (W×D×H)	mm	800×275×375	880×275×385	1055×305×405	1165×315×420
	Net/Gross weight	kg	7.5 / 10.0	8.5/11.5	11.5 / 16.5	13.5/18.5
Outdoor unit	Dimension(W×D×H)	mm	700×275×550	770×300×555	800×333×554	845×363×702
	Packing(W×D×H)	mm	815×325×615	900×345×615	920×390×615	965×395×765
	Net/Gross weight	kg	21.5/23.5	24.0/26.0	30.5/33.0	36.0 / 39.0
Indoor noise level (Turbo/Hi/Mi/Lo) (sound pressure)		dB(A)	41/39/34/30	41/39/35/31	44/43/38/36	50/48/42/39
Outdoor noise level (sound pressure)		dB(A)	54	54	56	59
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A
	Charged volume	g	530	550	1050	1100
Design pressure	Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ9.52 (1/4"/3/8")	Φ6.35/Φ12.7 (1/4"/1/2")	Φ9.52/Φ15.9 (3/8"/5/8")
	Max. pipe length	m	25	25	25	25
	Max. difference in level	m	10	10	10	10
Controller			Remote / WiFi	Remote / WiFi	Remote / WiFi	Remote / WiFi
Operation temperature		°C	17~30	17~30	17~30	17~30
Ambient temperature	Indoor	°C	18~32	18~32	18~32	18~32
	Outdoor	°C	-15~46	-15~46	-15~46	-15~46

Inverter High Wall Super Saving



Note: All features and specifications are subject to change without prior notice for product improvement purposes.





ABOUT CARRIER

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is a world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

The Invention That Changed the World

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.

Today, Carrier® innovations are found across the globe and in virtually every facet of daily life. We create comfortable and productive environments, regardless of the climate. We provide solutions, services and education to lead the green building movement.

These mark just a handful of the ways Carrier works to make the world a better place to live, work and play.

INVERTER TECHNOLOGY

Rather than using a fixed speed compressor, the inverter system uses a variable speed compressor, which means the cooling or heating capacity of the air conditioner can be varied to suit indoor conditions.

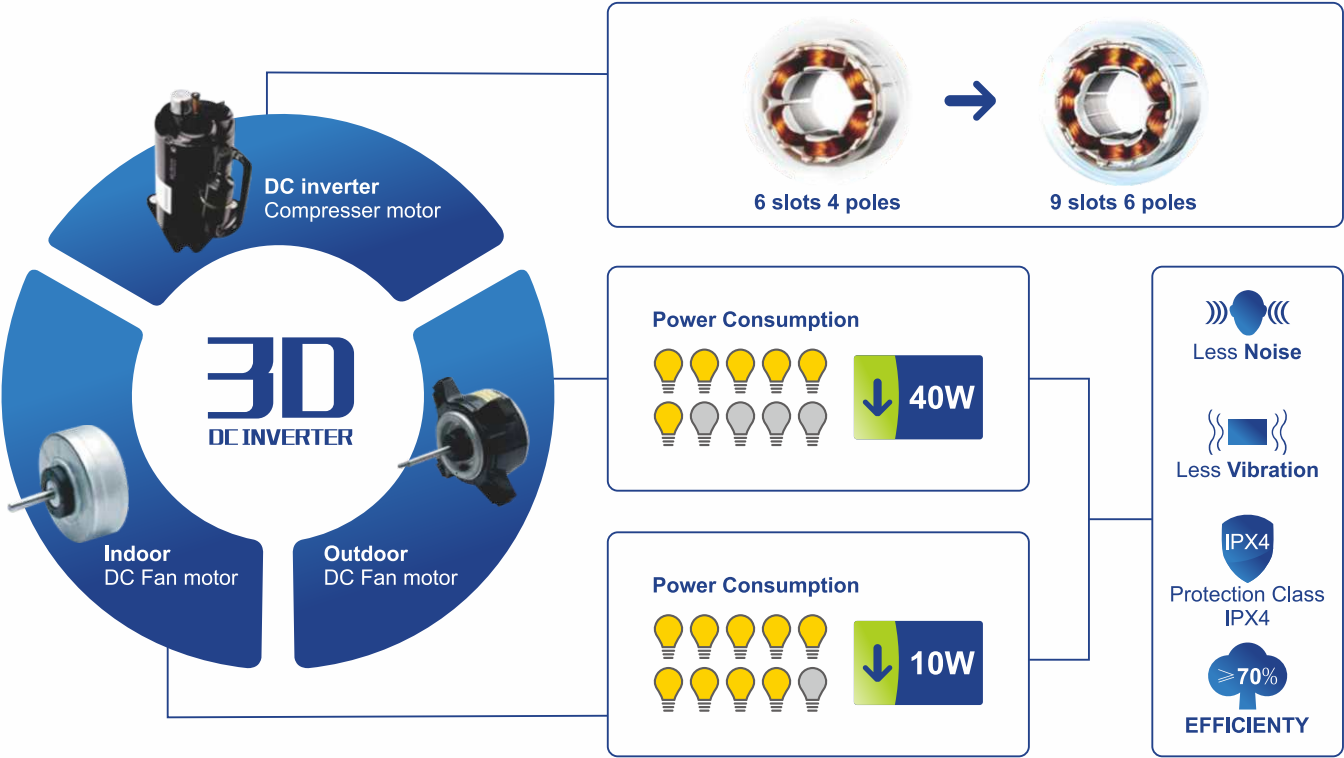
This make the inverter units more economical and efficient to operate, produce less noise and contain most superior features on the market.



More Economical

High Efficiency DC Compressor

Optimized compressor design, applying 9-slot motor with 6-pole winding and optimized muffler, results lower sound level, lower vibration, and higher efficiency.



Full DC Inverter

Besides the compressor motor, both of the indoor and outdoor fan motors are Brushless DC (BLDC) type. Owing to the function of BLDC motors, the 3D Inverter air conditioner gains higher efficiency and makes quieter operation which helps to save more energy and enhance comfort to consumers.

X-ECO Mode, enjoy the sleep without worry about the electricity bill.

The air conditioner is equipped with the X-ECO energy-saving technology, which perfectly synergized with highly efficient frequency conversion system. You can indulge in the comfortable coolness while super reducing energy consumption over 8 ours.



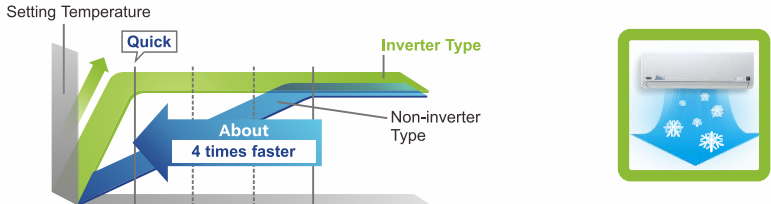
* Test under 24°C cooling setting for 8hrs at OD 30°C.

* X-ECO is only workable for cooling mode of single split, not multi-split.

More Powerful

Powerful Capacity, Quick Cooling & Heating

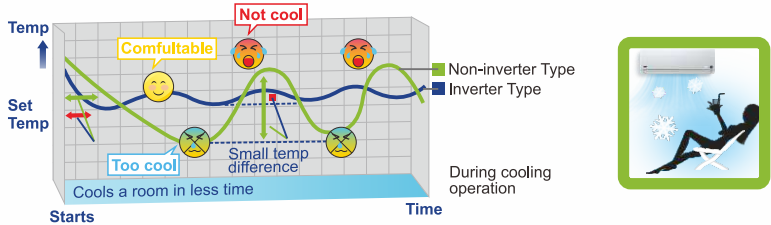
Carrier Inverter air conditioners can operate their compressors faster to give them more powerful performance. This results in being able to attain the desired temperature much faster in both heating and cooling modes than conventional air conditioners.



More Comfortable

Precise Control, Constant Temperature

After quickly reaching the set temperature, Carrier Inverter air conditioner finely adjusts output power to maintain a constant temperature with minimal fluctuation, and guarantees a pleasant, comfortable environment.



More Reliable

Wide Startup Voltage & Operation Temperature

With variable speed compressor, Carrier Inverter air conditioners can startup at 168-264 voltage and operate very well ambient temperature.



DESIGN FOR INDOOR AIR QUALITY

Dual Perifcation System

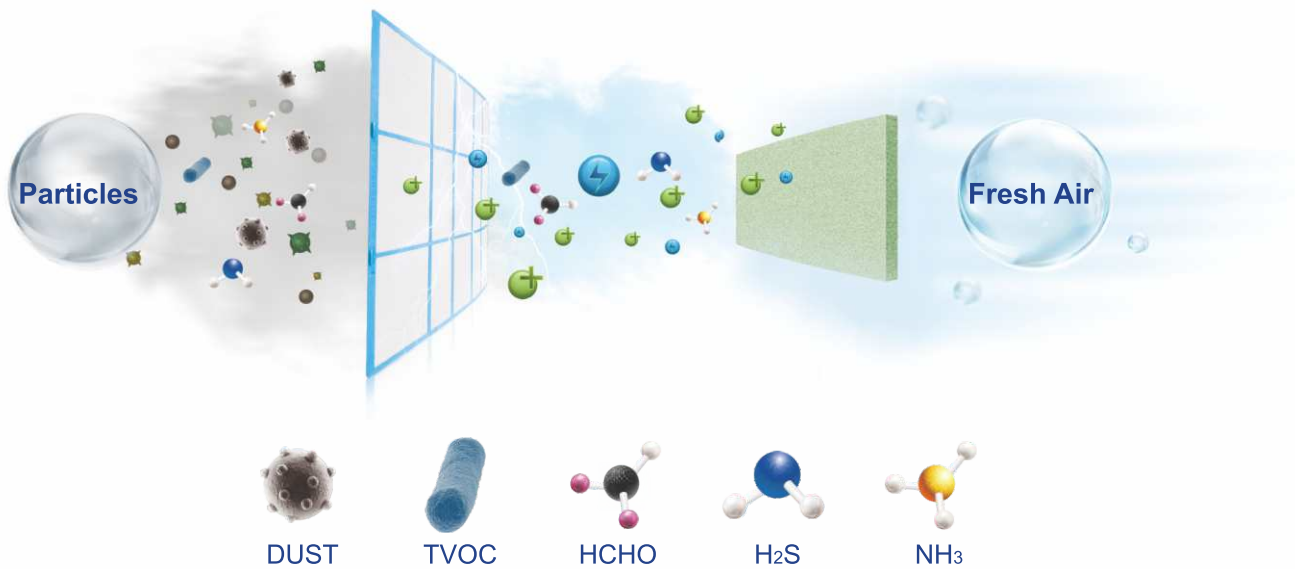
The Dual Filters protect you from harmful particles to make you live a healthy life.

1 First Guard

The Dust Fillter filters out dust and harmful particles from the indoor air.

2 Second Guard

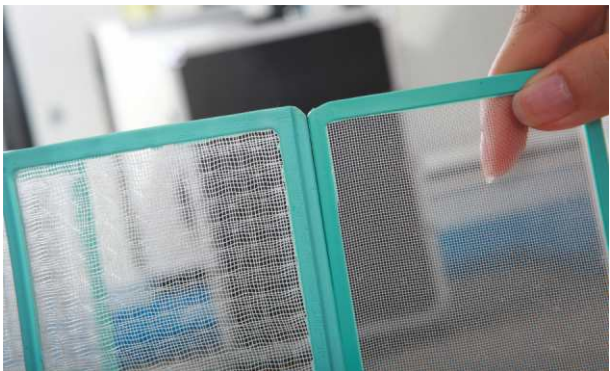
The fresh filter options provide different functions to fresh the air.



Washable High Density Filter

Enhanced filter capacity, remove the micro dust from the air.

Filter Type	Common	HD
Quantity of Holes per cm2	156	255
Hole Size (mm)	1.2*1.2	0.54*0.54



Ordinary filter

HD filter

Active Carbon Filter

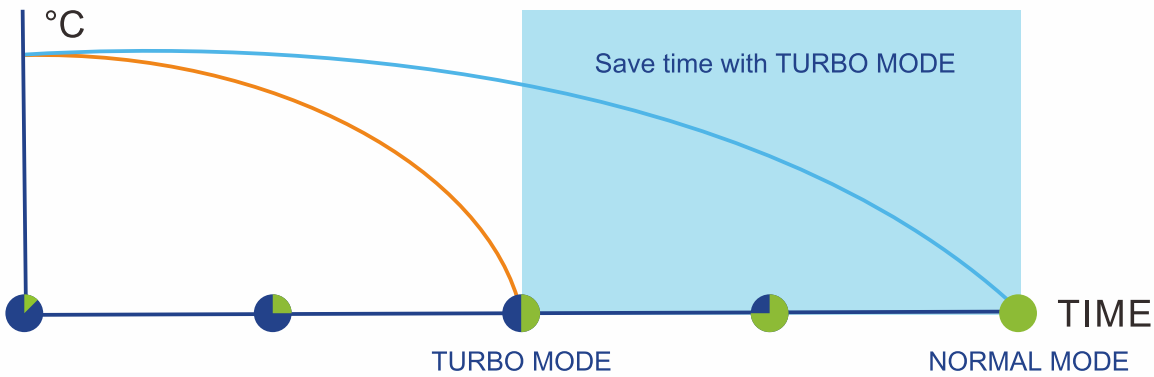
Deodorize peculiar smell such as pollen and ammonia, absorb poisonous gas.



DESIGN FOR COMFORT

Quick Cooling by Turbo Mode

With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain the desired temperature in the shortest amount of time.



Even Cooling by Four Way Air Distribution

The flap can be manually or automatically directed in four directions up, down, left and right, ensure an even distribution of air throughout the room.



*The left and right direction is manual control for selected models.

Keep Cooling by Follow Me

Sense the surrounding temperature by the build in sensor of remote controller, to adjust the room temperature more accurate.



Without "Follow Me"



With "Follow Me"

DESIGN FOR CONVENIENCE

My Mode

The air conditioner remembers your preferred operating mode and you can enjoy cooling off with the auto-start adjustment of your settings.

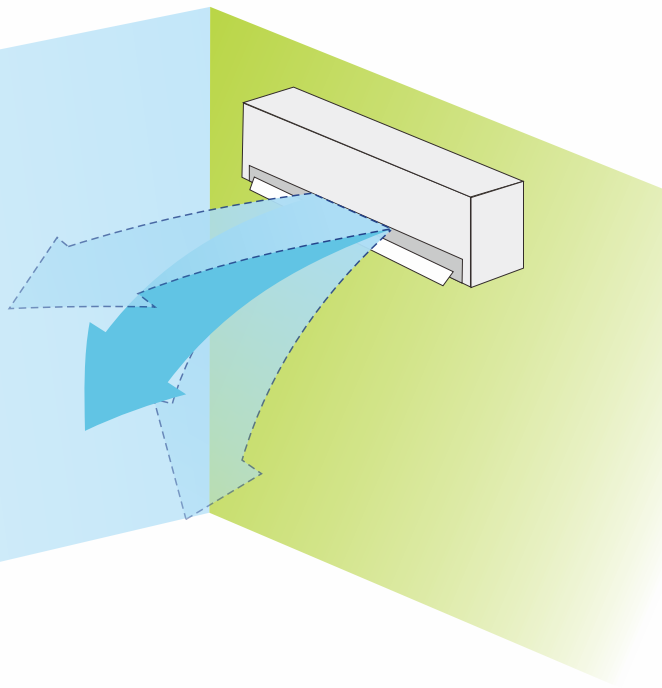


Press the 'My Mode' button and the air conditioner will remember your preferred options, and you can enjoy the same coolness setting as last time.

Louver Position Memory

When you start the unit next time, the angle of horizontal louver will automatically move to the same position as you set last time.

Previous Air-Flow Angle



Manual ON/OFF Button

In case the remote controller is lost, the manual mutton can be used to turn ON/OFF the unit temporary, and the structure design is more easy to access.

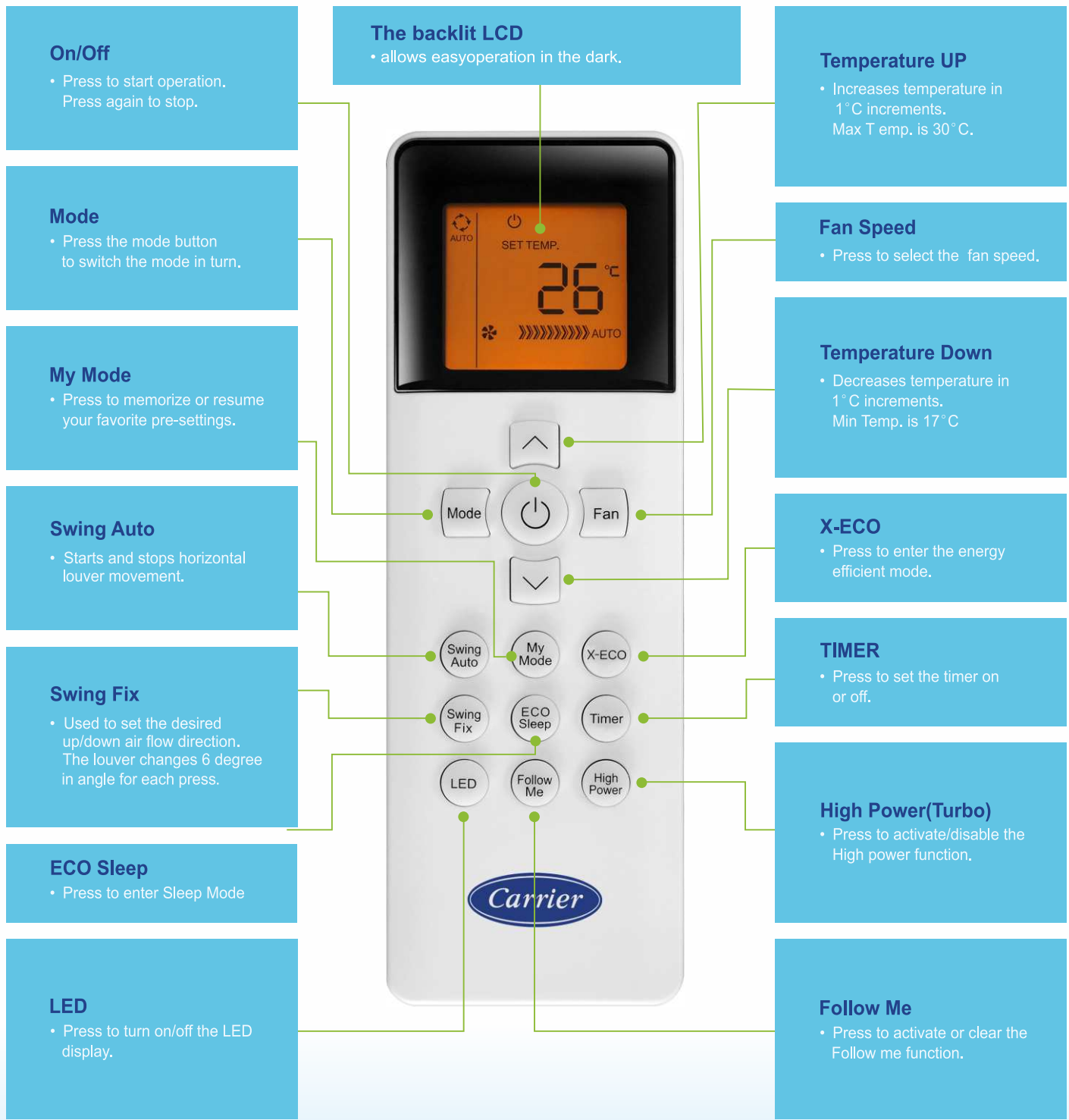


Old Design



New Design

REMOTE CONTROLLER



NOTE:

- Above illustration shows all the features. For actual model, only the relevant parts are shown.
- Buttons design might be slightly different from the actual one.

SMART CONTROL

Optional with different controls, suitable all applications. (Only one can be chose together with the IR wireless controller)

IR Wireless Control

Standard with the basic functions for the end user.

Wired Control

Same function with the IR wireless control, used for the commercial place.

Wired Control with weekly timer

Schedule the operation for a week, and repeat the schedule weekly.

Central Control

Max. 64 indoor units can be group control or individual setting.

BMS Control

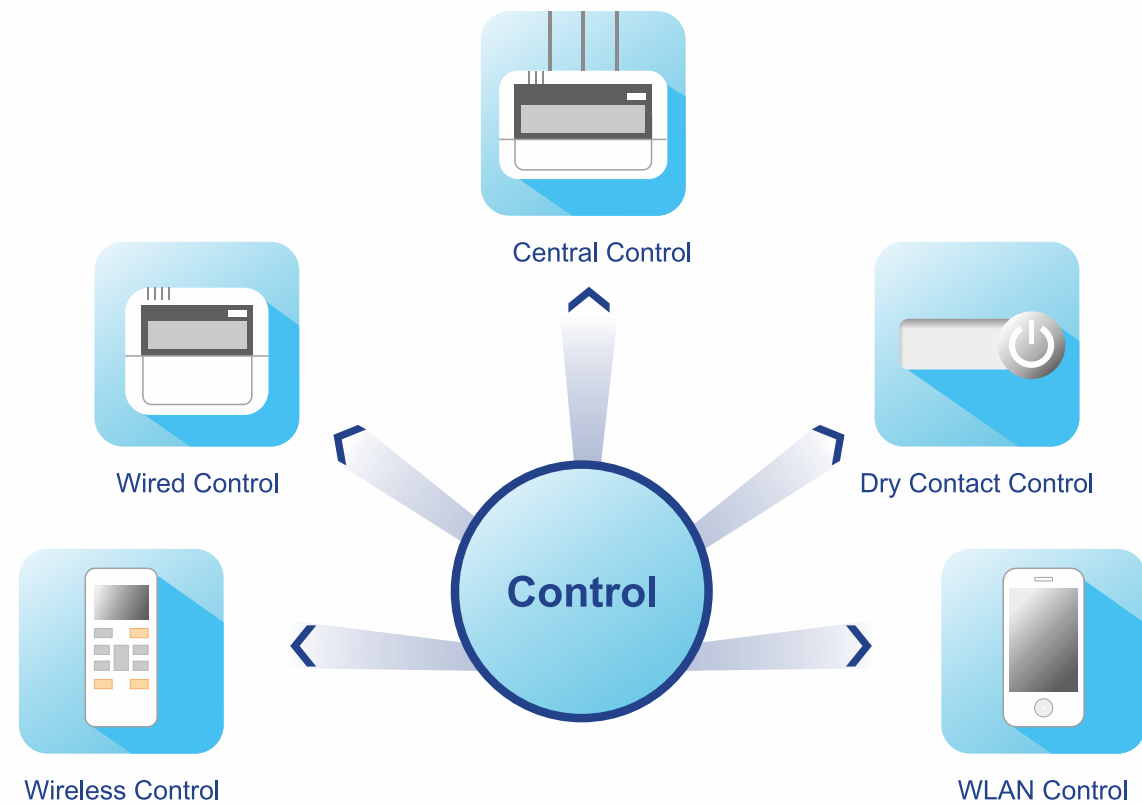
Can be connected with the BMS control system through the gateway.

WLAN Control

Online control to have more functions.

Dry Contact Control

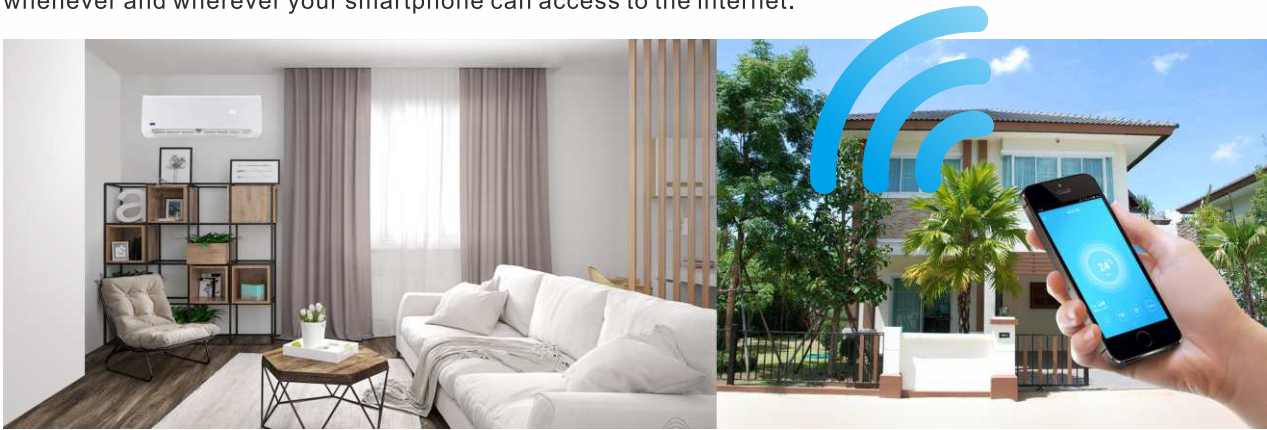
Low cost to realize the remote ON/OFF control.



WLAN CONTROL

APP Online Control

After the air conditioner connected with Wi-Fi by simple settings, you can freely control it with more functions whenever and wherever your smartphone can access to the internet.



DIY Sleep Mode

Besides the optimized sleep curves designed for the elder, children and young people, you can also adjust the temperature curves based on your personal preference to ensure a good sleep.



Young Sleep



Elder Sleep Mode



Children Sleep Mode

Weekly Timer

Set timers of the air conditioner on/off for one week, it will repeat the weekly schedules.

