



## **Indoor unit CHV-5SWNK2**

### **Owner's Manual Air Conditioners**

- Thank you for choosing Air Conditioners, please read this owner's manual carefully before operation and retain it for future reference. If you have lost the Owner's Manual, please contact the local agent or visit [www.cooperandhunter.com](http://www.cooperandhunter.com) or sent email to [info@cooperandhunter.com](mailto:info@cooperandhunter.com) or electronic version.
- C&H reserves the right to interpret this manual which will be subject to any change due to product improvement without further notice.
- Cooper&Hunter Corp. reserves the final right to interpret this manual.

# Preface

For correct installation and operation, please read all instructions carefully. Before reading the instructions, please be aware of the following items:

(1) For the safe operation of this unit, please read and follow the instructions carefully.

(2) During operation, total capacity of indoor units should not exceed the total capacity of outdoor units. Otherwise, poor effect of cooling or heating may result.

(3) Direct operators or maintainers should well keep this manual.

(4) If this unit fails to operate normally, please contact our service center as soon as possible and provide the following information:


- Content on the nameplate(model number, cooling capacity, production code, ex-factory date).

- Malfunction details(before and after the malfunction occurs).


(5) Each unit has been strictly tested and proved to be qualified before ex-factory. In order to prevent units from being damaged or operating normally because of improper disassembly, please do not disassemble the unit by yourself. If you need to disassemble and check units, please contact our service center. We will send specialists to guide the disassembly.


(6) All graphics in this manual is only for your reference. For sales or production reasons, these graphics are subject to change by manufacturer without prior notice.



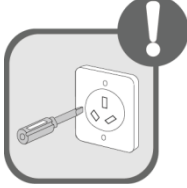









Model	Power Supply	Cooling Capacity	Heating Capacity
		kW	kW
CHV-5SW22NK2	208- 230V~60Hz	2,2	2,5
CHV-5SW28NK2	208- 230V~60Hz	2,8	3,2
CHV-5SW36NK2	208- 230V~60Hz	3,6	4,0
CHV-5SW45NK2	208- 230V~60Hz	4,5	5,0
CHV-5SW50NK2	208- 230V~60Hz	5,0	5,8
CHV-5SW56NK2	208- 230V~60Hz	5,6	6,3
CHV-5SW63NK2	208- 230V~60Hz	6,3	7,0
CHV-5SW71NK2	208- 230V~60Hz	7,1	7,5







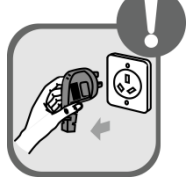

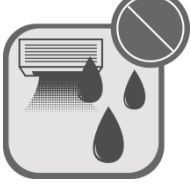

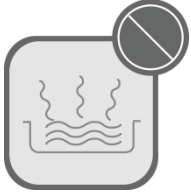



	Correct Disposal of this product
	<p>This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of 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.</p>

## Safety Precautions

 means items that must be forbidden! Otherwise, it may lead to personal injury or death or serious damage.

 means items that must be followed! Otherwise, it may lead to personal injury or property loss.

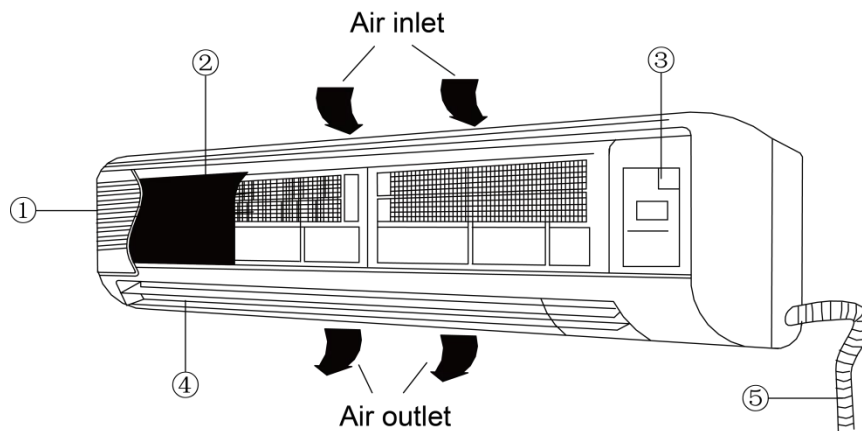
	<p>Follow this instruction to complete the installation work. Please carefully read this manual before unit startup and service.</p>		<p>Installation should be conducted by dealer or qualified personnel. Please do not attempt to install the unit by yourself. Improper handling may result in water leakage, electric shock or fire disaster etc.</p>
	<p>Before installation, please check if the power supply is in accordance with the requirements specified on the nameplate. And also take care of the power safety.</p>		<p>Make sure the unit can be earthed properly and soundly after plugging into the socket so as to avoid electric shock. Please do not connect the ground wire to gas pipe, water pipe, lightning rod or telephonenumber.</p>
	<p>Be sure to use the exclusive accessory and part to prevent the water leakage, electric shock and fire accidents.</p>		<p>If refrigerant leakage happens during installation, please ventilate immediately. Poisonous gas will emerge if the refrigerant gas meets fire.</p>
	<p>Wire size of power cord should be large enough. The damaged power cord and connection wire should be replaced by exclusive cable.</p>		<p>After connecting the power cord, please fix the electric box cover properly in order to avoid accident.</p>
	<p>Never fail to comply with the nitrogen charge requirements. Charge nitrogen when welding pipes.</p>		<p>Never short-circuit or cancel the pressure switch to prevent unit damage.</p>
	<p>Please firstly connect the wired controller before energization, otherwise wired controller can not be used.</p>		<p>Before using the unit, please check if the piping and wiring are correct to avoid water leakage, refrigerant leakage, electric shock, or fire etc.</p>

	Do not insert fingers or objects into air outlet/inlet grille.		Open the door and window and keep good ventilation in the room to avoid oxygen deficit when the gas/oil supplied heating equipment is used.
	Never start up or shut off the air conditioner by means of directly plug or unplug the power cord.		Turn off the unit after it runs at least five minutes; otherwise it will influence oil return of the compressor.
	Do not allow children operate this unit.		Do not operate this unit with wet hands.
	Turn off the unit or cut off the power supply before cleaning the unit, otherwise electric shock or injury may happen.		Never spray or flush water towards unit, otherwise malfunction or electric shock may happen.
	Do not expose the unit to the moist or corrosive circumstances.		Electrify the unit 8 hours before operation. Please switch on for 8 hours before operation. Do not cut off the power when 24 hours short-time halting (to protect the compressor).
	Volatile liquid, such as diluent or gas will damage the unit appearance. Only use soft cloth with a little neutral detergent to clean the outer casing of unit.		Under cooling mode, please don't set the room temperature too low and keep the temperature difference between indoor and outdoor unit within 5.
	If anything abnormal happens (such as burning smell), please power off the unit and cut off the main power supply, and then immediately contact C&H appointed service center. If abnormality keeps going, the unit might be damaged and lead to electric shock or fire.		User is not allowed to repair the unit. Fault service may cause electric shock or fire accidents. Please contact C&H appointed service center for help.

Any personal injury or property loss caused by improper installation, improper debug, unnecessary repair or not following the instructions of this manual should not be the responsibility of Cooper&Hunter Corp.

## Product Introduction

### Outline of the Unit and Main Parts



**Note:**

The appearances will be different by the different models of air

No.	Part Name	No.	Part Name
①	Surface panel	④	Guide louver
②	Filter	⑤	Drain pipe
③	Wiring cover		

## 2.2 Rated Operating Condition

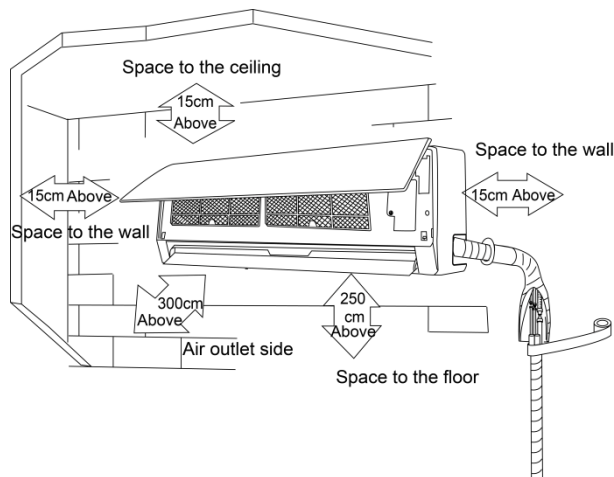
Item	Indoor Condition		Outdoor Condition	
	DBTemperature°C	WBTemperature°C	DBTemperature°C	WBTemperature°C
Rated Cooling	27	19	35	24
Rated Heating	20	15	7	6

## 3 Preparations for Installation

### 3.1 Location for Installation

- (1) The appliance shall not be installed in the laundry.
- (2) The indoor unit should be installed at 2.3m or higher above the floor.
- (3) The top holder must be strong enough to support unit's weight.
- (4) Drain pipe can drain water out easily.
- (5) There is no obstacle at inlet or outlet. Please ensure good air circulation.
- (6) Keep the unit away from heating source, inflammable gas or smoke.

## Schematic diagram of installation spaces



### Notes:

- ① The unit shall be installed by the professional personnel according to this installation instruction to ensure proper use.
- ② Please contact the local C&H appointed service center before installation. Any malfunction caused by the unit that is not installed by the C&H appointed service center would probably not be dealt with on time because of the inconvenience of the business contact.
- ③ It should be guided under the professional personnel when the air conditioner unit is moved to other place.

## 3.3 Requirements for Communication Line

### Note:

If the unit is installed in the place with strong electromagnetic interference, shielded wire must be applied on the communication wire between indoor unit and wired controller. Twisted pair line with shielding function must be applied on the communication wire between indoor unit and indoor unit (outdoor unit).

### 3.3.1 Select communication line for indoor unit and wired controller

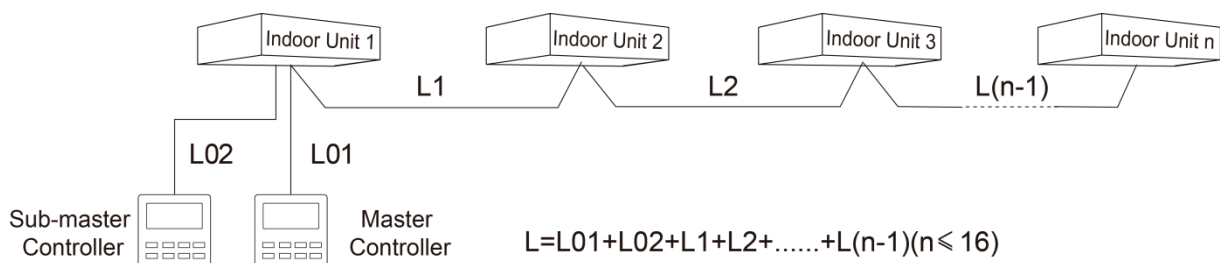


Fig 3.3.1

Material type	Total length of communication line between indoor unit and wired controller L (m/feet)	Wire size (mm <sup>2</sup> /AWG)	Material Standard	Remarks
Light/Ordinary polyvinyl chloride sheathed cord. (60227 IEC 52 /60227 IEC 53)	$L \leq 250\text{m}$ ( $L \leq 820\text{-}1/5\text{feet}$ )	$2 \times 0.75 \sim 2 \times 1.25$ ( $2 \times \text{AWG}18 \sim 2 \times \text{AWG}16$ )	IEC 60227-5:2007	<ol style="list-style-type: none"> <li>Total length of communication line can't exceed 250m (820-1/5feet).</li> <li>The cord shall be Circular cord (the cores shall be twisted together).</li> <li>If unit is installed in places with intense magnetic field or strong interference, it is necessary to use shielded wire.</li> </ol>

### 3.3.2 Select communication line for indoor unit and indoor unit (outdoor unit)

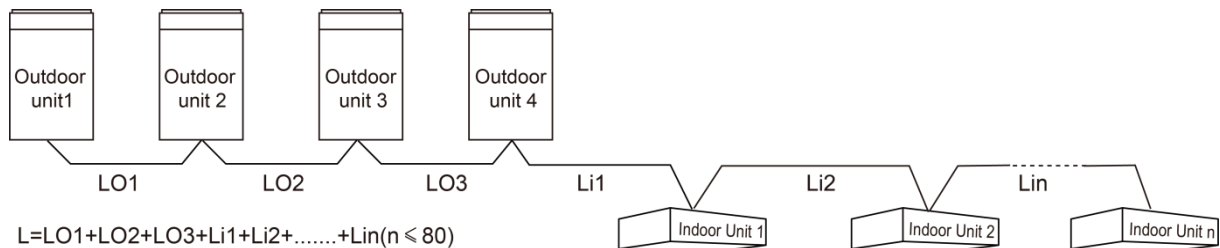


Fig 3.3.2

Material Type	Total Length L (m/feet) of Communication Cable between Indoor Unit and Indoor (Outdoor) Unit	Wire size (mm <sup>2</sup> /AWG)	Material Standard	Remarks
Light/Ordinary polyvinyl chloride sheathed cord. (60227 IEC 52 /60227 IEC 53)	$L \leq 1000\text{m}$ ( $L \leq 3280\text{-}5/6\text{feet}$ )	$\geq 2 \times 0.75$ ( $\geq 2 \times \text{AWG}18$ )	IEC 60227-5:2007	<ol style="list-style-type: none"> <li>If the wire diameter is enlarged to <math>2 \times 1 \text{ mm}^2</math> (<math>2 \times \text{AWG}16</math>), the total communication line length can reach 1500 m (4921-1/4feet).</li> <li>The cord shall be Circular cord (the cores shall be twisted together).</li> <li>If unit is installed in places with intense magnetic field or strong interference, it is necessary to use shielded wire.</li> </ol>

### 3.4 Wiring Requirements

Model	Power Cord Size	Air Switch capacity (A)	Minimum Sectional Area of Ground Wire(mm <sup>2</sup> )	Minimum Sectional Area of Power Cord(mm <sup>2</sup> )
CHV-5SW**NK2	220-240V ~ 50Hz	6	1	1

---

⚠Notes:

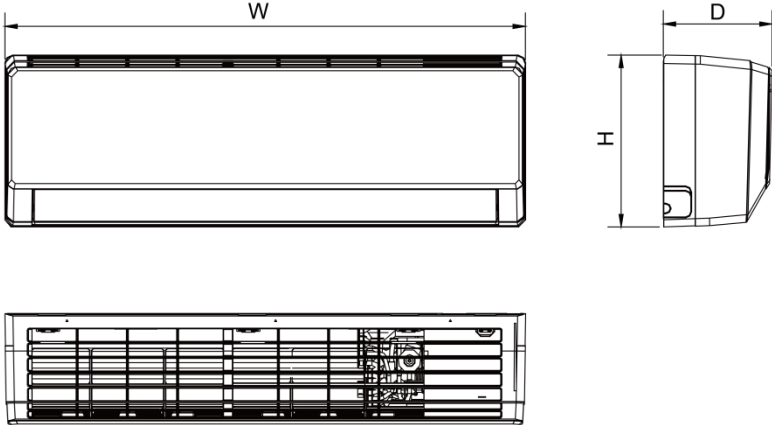
- ① Use copper wire only as unit's power cord. Operating temperature should be within its rated value.
- ② If the power cord is more than 15m long, please increase properly the sectional area of power cord to avoid overload, which may cause accident.
- ③ Above selection requirements: Power cord size is based on BV single-core wire (2~4pc) at 40°C ambient temperature when laying across plastic pipe. Air switch is D type and used at 40°C. If actual installation condition varies, please lower the capacity appropriately according to the specifications of power cord and air switch provided by manufacturer.
- ④ If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- ⑤ Install cut-off device near the unit. The minimum distance between each stage of cut-off device should be 3mm(The same for both indoor unit and outdoor unit).



---

# Installation Instructions

## Installation of Indoor Unit



Below are dimensions of W, H, D for different models:

Unit: mm

Model	W	D	H
CHV-5SW22NK2	845	209	289
CHV-5SW28NK2	845	209	289
CHV-5SW36NK2	845	209	289
CHV-5SW45NK2	970	224	300
CHV-5SW50NK2	970	224	300
CHV-5SW56NK2	1078	246	325
CHV-5SW63NK2	1078	246	325
CHV-5SW71NK2	1078	246	325

## The installation of the rear panel

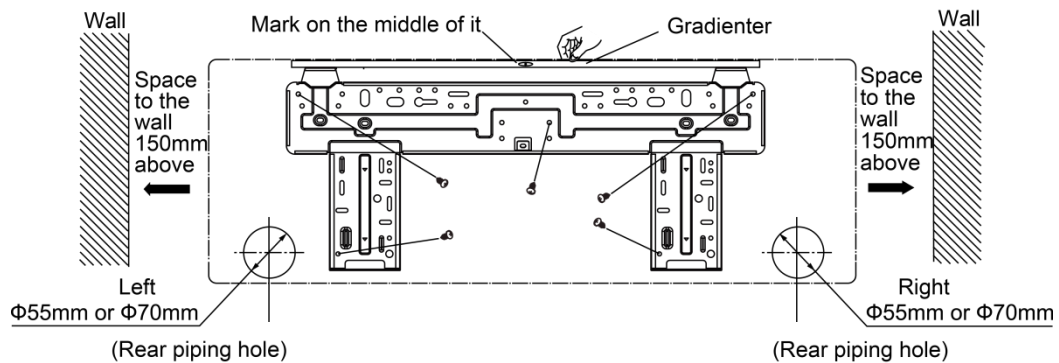


Fig 4.2

- (1) Find the horizontal position by the seton method; since the drainage pipe is on the left side, it is necessary to adjust the rear panel to make its left side a little bit lower.
- (2) Fix the rear panel on the wall by bolts.
- (3) After installing the rear panel, pull it by hands to check if it is secured enough. The hang panel should support the weight of an adult (60kg), and the weight shared by every bolt should be fairly even.
- (4) The diameter showed in Fig.4.2 is 65mm.

## 4.3 Debugging

Setting of main indoor unit must be done after finishing installation of unit. Otherwise, the whole system will report “L7” error and the whole unit cannot operate.

The indoor unit defaults to be slave indoor unit when ex-factory. During project debugging, if master indoor unit hasn't been set manually, the outdoor unit will appoint one indoor unit as the master indoor unit automatically. Then you can reset the master indoor unit by remote controller or wired controller.

### 4.3.1 Setting by remote controller

Point the remote controller at the light board or wired controller

In fan mode, set master mode indoor unit through ▲ and ▼ button:

- (1) Adjust set temperature to 30°C.
- (2) Within 5 seconds, press ▼ button and then press ▲ button repeatedly for three times.

After finishing setting, “UC” is displayed on receiver light board for 5 seconds and “MASTER” icon is displayed on wired controller.

### 4.3.2 Setting by wired controller



## Preparation of the piping hole

- (1) Make the piping hole ( $\Phi$  65mm) in the wall at a slight downward slant to the outdoor side. The center of the hole should be determined referring to Fig.4.2.
- (2) Insert the piping-hole sleeve into the hole to prevent the connected piping and wiring from being damaged when passing through the hole.

## Installation of the drainage pipe

- (1) For proper draining, the drain hose should be placed at a downward sloping.
- (2) Do not wrench or bend the drain hose or flood its end by water. (Fig.4.4)
- (3) Wrap the drain hose with heat resistant material.

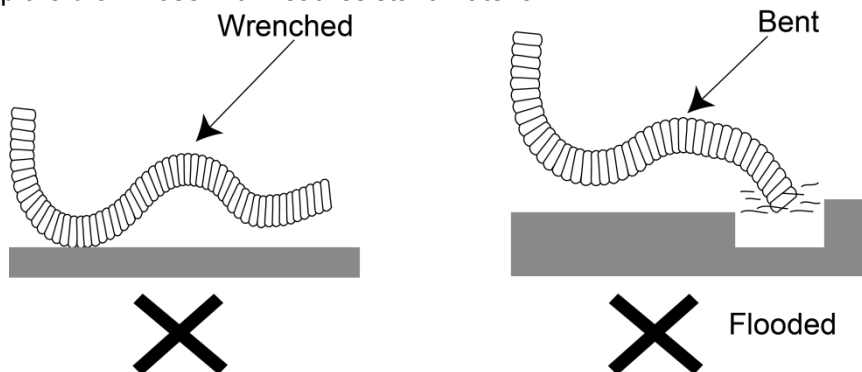


Fig 4.4

## Installation the connection pipes

Connect the ends of the connection pipe with two leading pipes, and then tighten the joint nuts tightly.

Connect the connect pipe with the two relative leading pipe, tie the nut on tie –in of the connect pipe tightly.



**Notes:**

- ① Be careful in bending the connection pipes, or you would damage the pipes.
- ② If the tightening torque for the flare nut is too great, leakage would happen.

## Wiring Work

**⚠Warning!**

Before obtaining access to terminals, all supply circuits must be disconnected.

---

**⚠ Notes:**

- ① Units must be earthed securely, or it may cause electric shock.
- ② Please carefully read the wiring diagram before carry out the wiring work, incorrect wiring could cause malfunction or even damage the unit.
- ③ The unit should be powered by independent circuit and specific socket.
- ④ The wiring should be in accordance with related regulations in order to ensure the units reliable running.
- ⑤ Install circuit breaker for branch circuit according to related regulations and electrical standards.
- ⑥ Keep cable away from refrigerant pipings, compressor and fan motor.

## Connect Cables and Terminals of Wiring Board

### Connection of Wire and Patch Board Terminal

(1) The connection of wire (as shown in fig 5.1.1)

- ① Strip about 25mm insulation of the wire end by stripping and cutting tool.
- ② Remove the wiring screws on the terminal board.
- ③ Shape the tail of wire into ring by needle nose plier, and keep the gauge of ring in accordance with screw.
- ④ Use the screwdriver for tightening the terminal.

(2) The connection of stranded wire (as shown in fig 5.1.2)

- ① Strip about 10mm insulation of the end of stranded wire by stripping and cutting tool.
- ②

Loosen the wiring screws on terminal board.

- ③ Insert the wire into the ring tongue terminal and tighten by crimping tool.

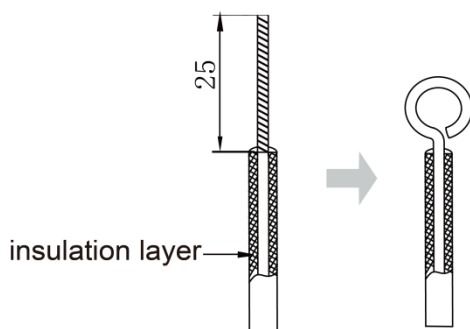


Fig 5.1.1

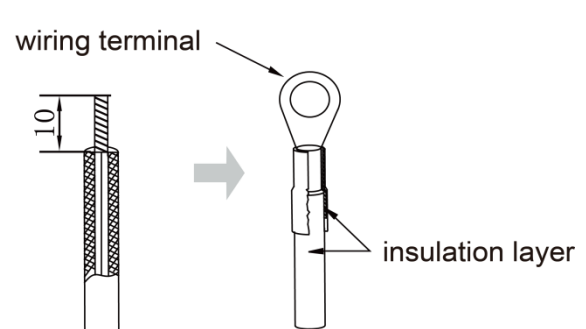


Fig 5.1.2

## 5.2 Power Cord Connection

**⚠ Note:**

All indoor units must be unified of power supply so that they can be powered ON/OFF at the same time.

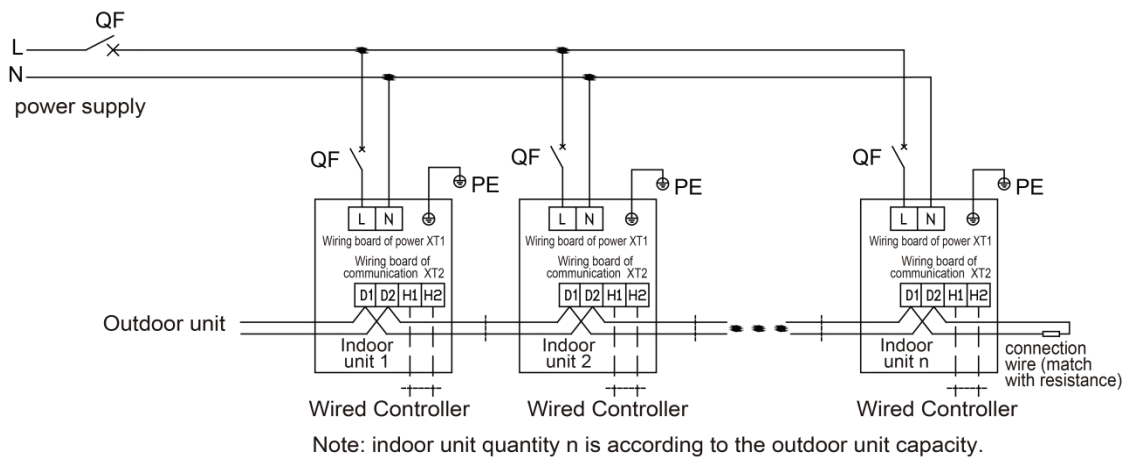


Fig 5.2

For units with single-phase power supply.

- (1) Detach the electric box lid.
- (2) Let the power cord pass through the wiring through-holes.
- (3) Connect the power cord to terminal "L, N,  $\oplus$  PE".
- (4) Fix the power card with wiring clamp.

### Connection of Communication Line of IDU and ODU

- (1) Open the cover of electric box of indoor unit.
- (2) Lead the communication line across the rubber ring.
- (3) Connect the communication line to terminal D1 and D2 on the 4-digit wiring board of indoor unit, as shown in Fig.5.3.1.

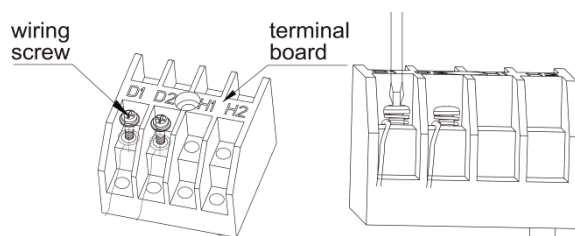


Fig 5.3.1

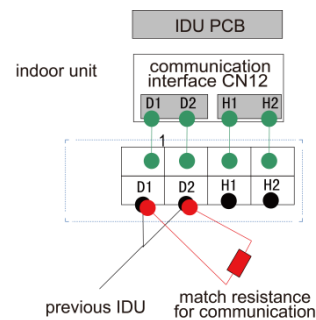


Fig 5.3.2

- (4) Secure the communication line with the wire clamp on the electric box.
- (5) In order to ensure the reliability of communication between IDU and ODU and the communication among each IDU, add a matched resistance(supplied in a package before ex-factory) on the wiring board of the last indoor unit in a series connection. The matched resistance should be connected in parallel between terminal screw D1 and D2, as shown in Fig.5.3.2.

### Connection of Communication Line of Wired Controller

- (1) Open the cover of electric box of indoor unit.
- (2) Lead the communication line of wired controller across the rubber ring.
- (3) Connect the communication wire to terminal H1 and H2 of indoor 4-bit wiring board.
- (4) Fix the communication wire with wire clip on the electric box.

## Illuminate for Connection of Wired Controller and Indoor Units Network

- (1) Communication wire of indoor unit and outdoor unit (or indoor unit) is connected to D1,D2.
- (2) Wired controller is connected to H1,H2.
- (3) One indoor unit can connect two wired controllers that must be set as master one and slave one.
- (4) One wired controller can control 16 indoor unitS in maximum at the same time.

Notes:

- ① The type of indoor units must be the same if they are controlled by the same wired controller.
- ② When the indoor unit is controlled by two wired controllers, the addresses of the two wired controllers should be different through address setting. Address 1 is for main controller; Address 2 is for slave controller. Detailed setting please refer to the instruction manual of wired controller.

### 5.6 Installation of the indoor unit

- (1) When routing the piping and wiring from the left or right side of the indoor unit, it is necessary to cut off the tailings of the pipe left on the holder of the unit. (Shown in Fig.5.6)
  - ◆ Cut down tailings 1 when only the power cord is led.
  - ◆ Cut down tailings 1,2 (or 1,2,3) when the connection cord and wire are led.
  - ◆ The piping types ①, ②, ③ are recommended.
- (2) Let the tubing and cord pass though the piping hole after tied up (refer to Fig .5.6 (d)).
- (3) Hang the claw behind the indoor unit on the pothook on the wall panel, and move the unit left and right to check if the body is firm.
- (4) Guarantee that the installation height of the indoor unit should be 2.5m above the floor.

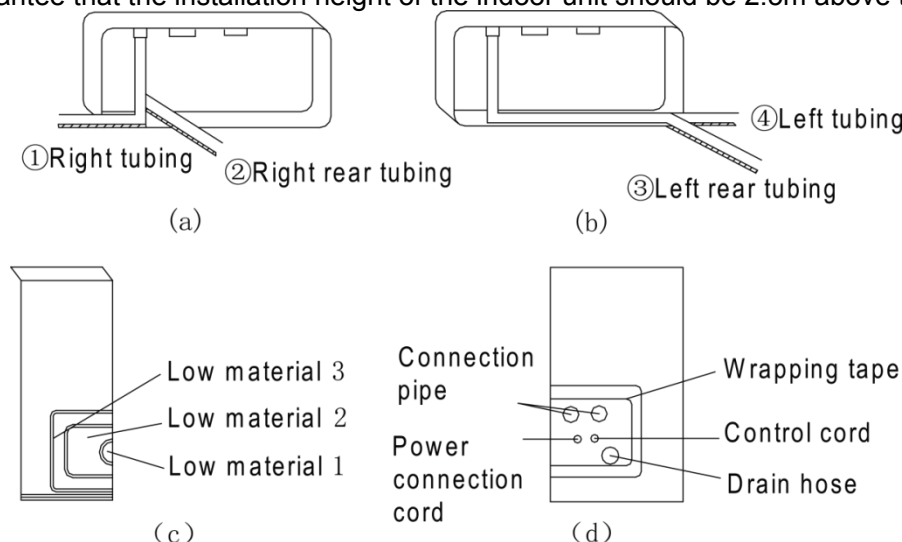
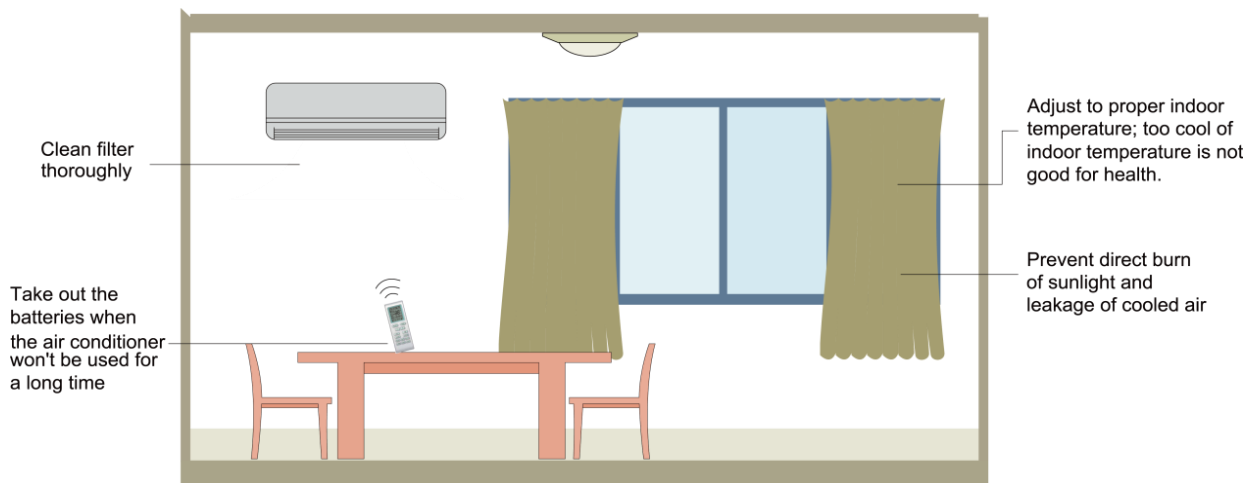


Fig 5.6

## The Best Usage Method



- (1) Adjust the set temperature properly in proper to prevent electricity wasting. It is better to control the difference of the indoor and outdoor temperatures within 5°C.
- (2) The better effect will be maintained by adjusting the guide louver downward for heating and horizontal for cooling.
- (3) When the air conditioner is running, don't open windows or doors for long time, otherwise the efficiency of unit will be lowered.
- (4) Prevent the cooled air blowing to body directly for long time and making indoor temperature too low, for it is bad for health.
- (5) Do not pour water to unit or clean it by water, otherwise a malfunction or electric shock may happen.
- (6) Do not mangle the power cord and the communication cord. The damaged power cord and communication cord can only be replaced by the specified ones.
- (7) This air conditioner allows voltage fluctuation within  $220 \pm 10\%V$ .
- (8) This air conditioner cannot be used for drying clothes and refrigerating food, etc..

## Maintenance Method

### **Warning:**

- (1) Do not turn off the unit and cut off the power when cleaning the air conditioner, otherwise electric shock may happen.
- (2) Do not make the air conditioner wet or electric shock may be incurred; Ensure that the air conditioner will not be cleaned by water rinsing under any circumstance.
- (3) Volatile liquid like thinner or gasoline would damage the appearance of the air conditioner. (Only soft dry cloth and wet cloth moistened with neutral detergent could be used to clean the surface panel of the air conditioner.)

## Cleaning panel

### **Note:**

---

Do take down it before cleaning.

- (1) Pull along the direction of arrows to take down the panel.
- (2) Clean the panel

Clean it with a soft-hair brush, water and neutral cleaning fluid, and then dry it.



Do not use water above 45°C to wash the panel to prevent decoloration or deformation.

- (3) Install the panel

As shown in Fig.II, install the stands of both ends of the panel into the slot and put the middle rotating shaft into the groove, then place the panel and clasp back along the arrow direction.

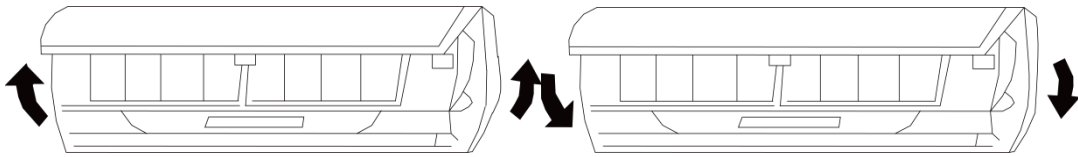


Fig 7.1.1

Fig 7.1.2

## Cleaning the air filters

Clean it once every 3 months; When the usage environment has lots of dust, it should be cleaned more frequently.

- (1) Take down the air filter

As shown in Fig.III, open the surface panel by holding the both ends of groove along the arrow direction, and then take the air filter out downward.

- (2) Clean the filter

Use cleaner or water to wash the filter; if the filter is too dirty ( like oil stain on it ), warm water ( lower than 45°C ) with neutral detergent can be used, then dry it in the shade.



- ① Do not clean the filter by hot water higher than 45°C for preventing fade or deformation.
- ② Do not burn it on fire or the filter would catches fire or deformation.
- (3) Install air filter

Install the air filter properly along the arrow direction, making the side marked "Front" facing yourself and then place the panel back.

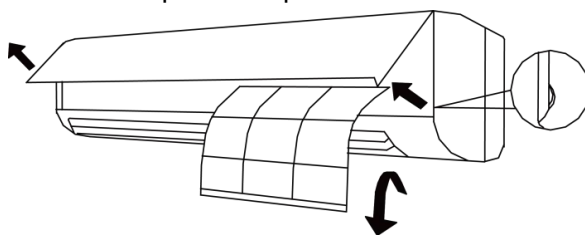


Fig 7.2.1

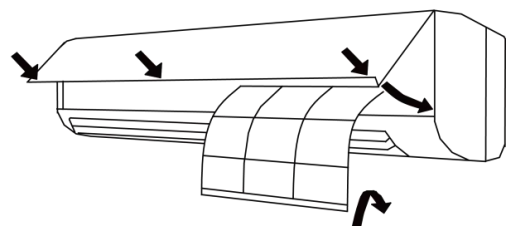


Fig 7.2.2

## Check before the usage season

- (1) Check if there is blockage in the inlet or outlet vent of the air conditioner.
- (2) Check if the earth wire is earthed reliably.



(3) Check if the batteries in the wireless remote controller have been replaced.

(4) Check if the air filter has been installed properly

In order to start up the air conditioner smoothly after it has been turned off for a long time period, energize the unit 8 hours before turning it on.

### Check after the usage season

(1) Clean filter and body of air conditioner.

(2) Cut off the main power supply of air conditioner.

### Table of Error Codes for Indoor Unit

Error Code	Content	Error Code	Content	Error Code	Content
L0	Indoor Unit Error	L9	Quantity Of Group Control Indoor Units Setting Error	d8	Water Temperature Sensor Error
L1	Indoor Fan Protection	LA	Indoor Units Incompatibility Error	d9	Jumper Cap Error
L2	E-heater Protection	LH	Low Air Quality Warning	dA	Indoor Unit Network Address Error
L3	Water Full Protection	LC	Outdoor-Indoor Incompatibility Error	dH	Wired Controller Circuit Board Error
L4	Wired Controller Power Supply Error	d1	Indoor Unit Circuit Board Error	dC	Capacity DIP Switch Setting Error
L5	Anti-freezing Protection	d3	Ambient Temperature Sensor Error	dE	Indoor Unit CO <sub>2</sub> Sensor Error
L7	No Master Indoor Unit Error	d4	Inlet Pipe Temperature Sensor Error	C0	Communication Error
L8	Power Insufficiency Protection	d6	Outlet Pipe Temperature Sensor Error	AJ	Filter Cleaning Reminding
db	Special Code: Project Debugging Code	dL	Outlet Air Temperature Sensor Error		

### Malfunction Analyzing



#### Warning:

Do not repair the air conditioner by yourself for the incorrect repair would lead to electric shock or fire. Please contact the service center and have the unit repaired by the specialized personnel. Check the following items before contacting the service center, as it could save your time and cost.

Malfunction Phenomena	Malfunction Analyzing
The air conditioner could not start up just after turned off	The over load protection switch of the unit makes it run after 3 minutes delay
Odor gave out when the unit just was turned on	Odors or cigarette smoke which has been absorbed in is discharged out.
Slight bicker was heard when the unit was running	This is the sound of the running refrigerant
Mist came from the air outlet vent when cooling	Indoor air is cooled rapidly

Creak sound was heard when the unit was running or after it was turned off	It is the sound emitted by the expansion of the panel and other parts because of the temperature change.
The air conditioner failed to run	Is the power supply cut off ? Is the power supply connected ? Is the circuit protector started aside ? Is the voltage too high or too low ? If TIMER had been set on the wireless remote controller ?
The cooling (heating) effect of the air conditioner was not good	Is the temperature set properly ? Is the inlet, outlet vent of the outdoor unit blocked ? Is the air filter too dirty to cause blockage ? Are windows and doors closed ? Is the air speed too low ? Is there other heat source in the room ?
The wireless remote controller cannot work	In the event that the battery is replaced but the wireless remote control still malfunctions, then open the back cover and press "ACL" button to make it normal. When the air conditioner is under abnormal interference or its functions are changed too frequently, then the wireless remote controller would works improperly. At this time, it is available to resume the normal operation through de-energizing and then energizing the wireless controller again. Is the controller within the receiving area? or is there blockage? Check if the voltages of batteries in the wireless remote controller are sufficient; Otherwise change the batteries.

## Service center

When the following phenomena appeared, please stop operating immediately, cut off the main power supply of the unit and then contact the service center of the air conditioner.

- ◆ Harsh sound heard when running;
- ◆ The fuse or protector opened frequently;
- ◆ Substance or water pulled in the unit involuntarily; ◆  
    Water leakage in room;
- ◆ Power cord overheated;
- ◆ Abnormal odor is given out when running.

When quality or other problems arise upon the purchased air conditioner, please contact the local service center.

## Adjusting Method Of The Air Direction

### Adjusting air direction up and down

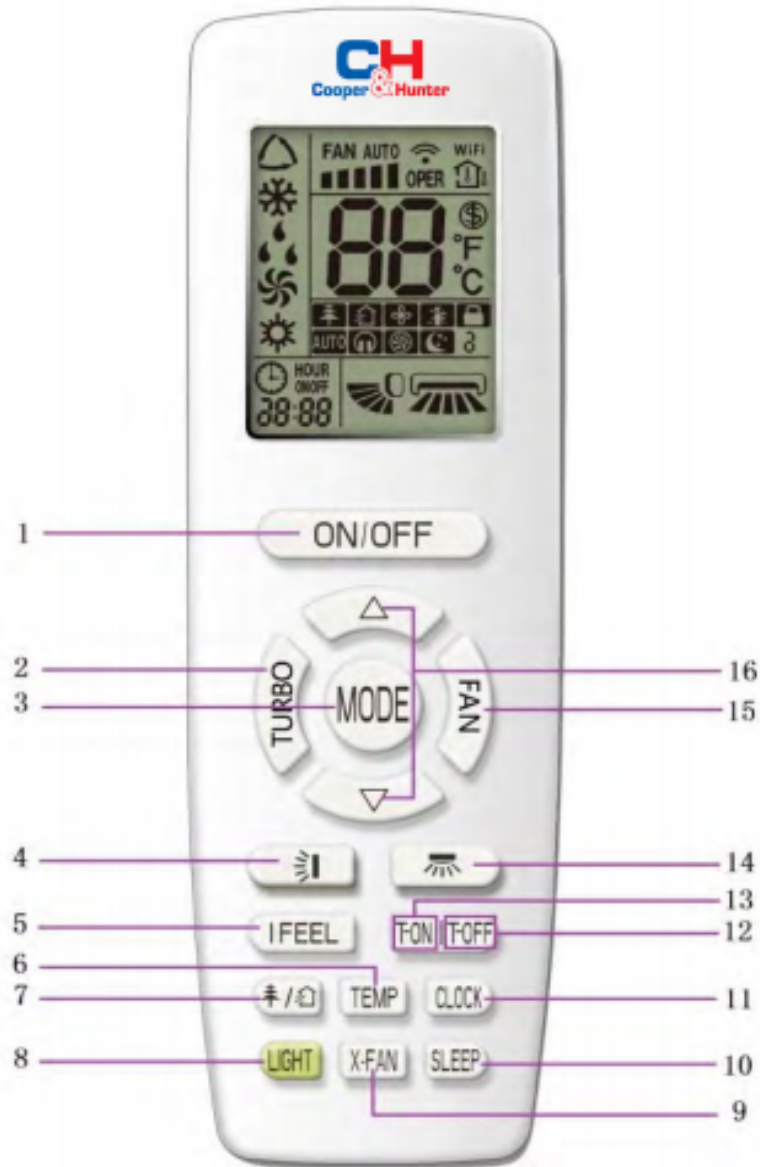
- (1) Controlling the guide louver motor by the wireless remote controller can make the guide louver swing up and down, or makes the guide louver stop at a certain angle to have air supplied.
- (2) Press the SWING button on the wireless remote controller to make the guide louver swing up and down; Repress again to stop the operation.

### Adjusting air direction left and right





Moving the vertical louver left and right can adjust the left and right direction of air outlet, or adjust the air outlet to reach every corner of the room by 3 different outlet directions to make the indoor temperature more even.

# Remote Controller YAP1F

## Button name and function introduction






## Button name and function introduction

No.	Button name	Function
1	ON/OFF	Turn on or turn off the unit
2	TURBO	Set turbo function
3	MODE	Set operation mode
4		Set up&down swing status
5	I FEEL	Set I FEEL function
6	TEMP	Switch temperature displaying type on the unit's display
7		Set health function and air function
8	LIGHT	Set light function
9	X-FAN	Set X-FAN function
10	SLEEP	Set sleep function
11	CLOCK	Set clock of the system
12	TOFF	Set timer off function
13	TON	Set timer on function
14		Set left&right swing status
15	FAN	Set fan speed
16		Set temperature and time

## Preparation before operation

When using the remote controller for the first time or after replacing the batteries, please set the time of the system according to current time in the following steps:

- (1). Pressing CLOCK button,  is blinking.
- (2). Pressing  or  button, the clock time will increase or decrease rapidly.
- (3). Press CLOCK button again to confirm the time and return to display current time.

## Introduction of operation function

- (1). Selecting operation mode

In unit on status, press MODE button to select operation mode in following sequence:



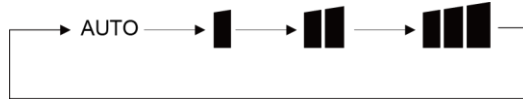
(2). Setting temperature

In unit on status, press  $\Delta$  button to increase setting temperature and press  $\nabla$  button to decrease setting temperature. The range of temperature is from 16°C to 30°C.

**Note:** Under auto mode, manual adjustment of temperature is not needed.

(3). Adjusting fan speed

In unit on status, press FAN button to adjust fan speed in following sequence:





**Notes:**


- ①. When operation mode changes, fan speed is memoried;
- ②. Under dry mode, fan speed is low and can not be adjusted.

(4). Setting swing function



◆ Setting left&right swing

- 1). Under simple swing status, press  button to adjust left&right swing status;
- 2). Under fixed-angle swing status, press  button to adjust left&right swing angle circularly as below:




**Note:** operate continuously left&right swing in 2 seconds, swing states will change according to above-mentioned order, or switch closed state and  state.

◆ Setting up&down swing

- 1). Under simple swing status, press  button to adjust up&down swing status;
- 2). Under fixed-angle swing status, press  button to adjust up&down swing angle circularly as below:



**Note:** operate continuously left&right swing in 2 seconds, swing states will change according to above-mentioned order, or switch closed state and  state;

---

(5). Setting turbo function

Under cool or heat mode, press TURBO button to set turbo function.

When  is displayed, turbo function is on.

When  is not displayed, turbo function is off.

When turbo function is on, the unit operates in super high speed to achieve quick cooling or heating. When turbo function is off, the unit operates in setting fan speed.


(6). Setting light function


The light on the receiver light board will display present operation status. If you want to turn off the light, please press LIGHT button. Press this button again to turn on the light.

(7). Viewing ambient temperature

In unit on status, receiver light board or wired controller is defaulted to display setting temperature. Press TEMP button to view indoor or outdoor ambient temperature.

When  is displayed, it means the displayed temperature is setting temperature.

When  is displayed, it means the displayed temperature is indoor ambient temperature.

When  is displayed, it means the displayed temperature is outdoor ambient temperature.

**Note:** setting temperature is always displayed in Remote Controller.

(8). Setting X-FAN function

In cool or dry mode, press X-FAN button to set X-FAN function.

When  is displayed, X-FAN function is on.

When  is not displayed, X-FAN function is off.

When X-FAN function is on, the water on the evaporator will be blown away until turning off the unit to avoid mildew.

(9). Setting health function

In unit on status, press  button to set health function.

When  is displayed, health function is on.

When  is not displayed, health function is off.

Health function is available when the unit is equipped with anion generator. When health function is on, the anion generator will start operation, adsorbing the dusts and

---

killing the bacteria in the room.



(10). Setting air function

Press  button until  is displayed, then air function is turned on.

Press  button until  is disappeared, then air function is turned off.

When the indoor unit is connected with fresh air valve, air function setting can control the connection of fresh air valve, which can control the fresh air volume and improve the air quality inside the room.

(11). Setting sleep function

In unit on status, press SLEEP button to turn on or turn off sleep function.  When  is displayed, sleep function is on.

◆ When  is not displayed, sleep function is off.

**Notes:**

- ①. Sleep function can not be set in auto and fan mode;
- ②. When turning off the unit or switching mode, sleep function is cancelled;

(12). Setting I FEEL function

In unit on status, press I FEEL button to turn on or turn off I FEEL

function.  When  is displayed, I FEEL function is on.

When  is not displayed, I FEEL function is off.



When I FEEL function is turned on, the unit will adjust temperature according to the temperature detected by the remote controller to achieve the best air-conditioning effect. In this case, you should place the remote controller within the valid receiving range.

(13). Setting timer

You can set the operation time of unit as you need. You can also set timer on and timer off in combination.

Before setting, check if the time of the system is the same as the current time. If not, please set the time according to current time.


1). Setting timer off

- ①. Pressing TOFF button, "OFF" is blinking and time displaying zone displays the timer time of last setting.
- ②. Press  or  button to adjust the timer time.
- ③. Press TOFF button again to confirm setting. OFF is displayed and time displaying zone resumes to display current time.


- 
- ④. Press TOFF button again to cancel timer and OFF is not displayed.
  - 2). Setting timer on
    - ①. Pressing TON button, "ON" is blinking and time displaying zone displays the timer time of last setting.
    - ②. Press  $\Delta$  or  $\nabla$  button to adjust the timer time.
    - ③. Press TON button again to confirm setting. ON is displayed and time displaying zone resumes to display current time.
    - ④. Press TON button again to cancel timer and ON is not displayed.

## Introduction of special functions

### (1). Setting child lock

Press  $\Delta$  and  $\nabla$  button simultaneously to lock the buttons on remote controller and  is displayed.

Press  $\Delta$  and  $\nabla$  button simultaneously again to unlock the buttons on remote controller and is not displayed.


If the buttons are locked,  blinks 3 times when pressing the button and any operation on the button is invalid.

### (2). Switching temperature scale


In unit off status, press MODE button and  $\nabla$  button simultaneously to switch temperature scale between  $^{\circ}\text{C}$  and  $^{\circ}\text{F}$ .

### (3). Setting energy-saving function

In unit on status and under cool mode, press CLOCK and TEMP button simultaneously to enter energy-saving mode.


◆ When  is displayed, energy-saving function is on.

◆ When  is not displayed, energy-saving function is off.

If you want to turn off the energy-saving function, press CLOCK and TEMP button and  is not displayed.

**Note:** energy-saving function is only available in cooling mode and it will be exited when switching mode or setting sleep function.

### (4). Absence function

In unit on status and under heat mode, press CLOCK and TEMP button simultaneously to enter absence function. Temperature displaying zone displays 8 and  is displayed.

Press CLOCK and TEMP button simultaneously again to exit absence function. Temperature displaying zone resumes previous display and is not displayed.



---

In winter, absence function can keep the indoor ambient temperature above 0°C to avoid freezing.

**Note:** Absence function is only available in heating mode and it will be exited when switching mode or setting sleep function.

## Replacing batteries in remote controller and notes

- (1). Lift the cover along the direction of arrow (as shown in Fig 1①).
- (2). Take out the original batteries (as shown in Fig 1②).
- (3). Place two 7# (AAA 1.5V) dry batteries, and make sure the position of “+” polar and “-” polar is correct (as shown in Fig 2③).
- (4). Reinstall the cover (as shown in Fig 2④).

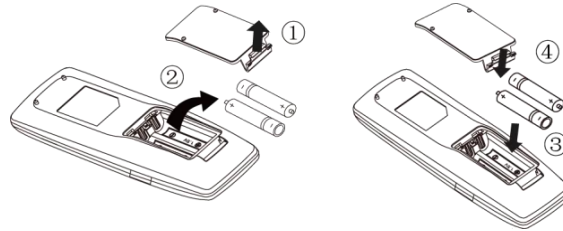



Fig.1

Fig.2

### Notes:

- ①. The remote controller should be placed 1m away from the TV set or stereo sound sets.
- ②. The operation of remote controller should be performed within its receiving range.
- ③. If you need to control the main unit, please point the remote controller at the signal receiving window of the main unit to improve the receiving sensibility of main unit.
- ④. When the remote controller is sending signal, “” icon will be blinking for 1 second. When the main unit receives valid remote control signal, it will give out a sound.
- ⑤. If the remote controller does not operate normally, please take the batteries out and reinsert them after 30 seconds. If it still can't operate properly, replace the batteries.
- ⑥. When replacing the batteries, do not use old or different types of batteries, otherwise, it may cause malfunction.
- ⑦. When you won't use the remote controller for a long time, please take out the batteries.

operation on the button is invalid.

(2). Absence function

Press CLOCK and TEMP button simultaneously to enter absence function. Temperature displaying zone displays 8 and Ⓢ is displayed.

Press CLOCK and TEMP button simultaneously again to exit absence function. Temperature displaying zone resumes previous display and Ⓢ is not displayed.

In winter, absence function can keep the indoor ambient temperature above 0°C to avoid freezing.

**Note:** Absence function is only available in heating mode and it will be exited when switching mode.

(3). Setting of master mode indoor unit

In fan mode, set master mode indoor unit through ▲ and ▼ button:

- 1). Adjust set temperature to 30°C;
- 2). Within 5 seconds, press ▼ button and then press ▲ button repeatedly for three times;

After finishing setting, “UC” is displayed on receiver light board for 5 seconds and “MASTER” icon is displayed on wired controller.

(4). Switching temperature scale

In unit off status, press MODE button and ▼ button simultaneously to switch temperature scale between °C and °F.

### 3.6 Replacing batteries in remote controller and notes

- (1). Lift the cover along the direction of arrow (as shown in Fig 5①).
- (2). Take out the original batteries (as shown in Fig 5②).
- (3). Place two 7# (AAA 1.5V) dry batteries, and make sure the position of “+” polar and “-” polar is correct (as shown in Fig 6③).
- (4). Reinstall the cover (as shown in Fig 6④).

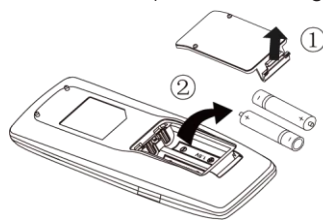


Fig.5

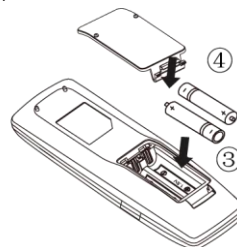



Fig.6

---

**Notes:**

- ①. The remote controller should be placed 1m away from the TV set or stereo sound sets.
- ②. The operation of remote controller should be performed within its receiving range.
- ③. If you need to control the main unit, please point the remote controller at the signal receiving window of the main unit to improve the receiving sensibility of main unit.
- ④. When the remote controller is sending signal, “” icon will be blinking for 1 second. When the main unit receives valid remote control signal, it will give out a sound.
- ⑤. If the remote controller does not operate normally, please take the batteries out and reinsert them after 30 seconds. If it still can't operate properly, replace the batteries.
- ⑥. When replacing the batteries, do not use old or different types of batteries, otherwise, it may cause malfunction.
- ⑦. When you won't use the remote controller for a long time, please take out the batteries.