














Parts and Functions

Key










	On/Off key.
MODE	Mode key: Press this key to execute mode switch.
FAN	Fan key: Press this key to adjust fan speed.
	Up/Down key: Press this key to adjust temperature in the main Interface and other parameter value in other interface. And the key is also used for function switching.
TIME	Time key: Press this key to set clock time / Timer and malfunction parameter queried.
MENU	Menu key: Press this key to enter function circulation. Also this key is used to confirm changes.

Parts and Functions

Icon


	Clock display , parameter display
	Timer ON/OFF
	ROOM /SET temperature display
	ROOM/SET humidity display
	Error icon
	Four-sided air deflector display (Only valid for part of models)
	Up/Down Swing
	Left/Right Swing (Only valid for part of models)
	Set icon
	Auto mode
	Cooling mode

Parts and Functions

	Lock
	Central
	Motion Sensing (only valid for part of models)
MASTER	Master: This icon will be displayed only when controller is set as master controller.
SLAVE	Slave: This icon will be displayed only when controller is set as slave controller.
	Breeze Fan Speed
	Low Fan Speed
	Medium Fan Speed
	High Fan Speed
	Super Fan Speed
	Auto Fan Speed




Operation

Basic function description

Basic function	Method of operation
ON/OFF	Press the key  to switch on/off the wired controller.
Mode control	In the state of on, press the key MODE to change mode.
Adjusting temperature	In the state of on, press the key ▲ or ▼ to adjust temperature.
Adjusting fan speed	In the state of on, press the key FAN to adjust fan speed.

Operation

Malfunction Display

- (1) If there is a malfunction, the main interface will display  icon.
- (2) When backlight is on, long press TIME key for 10 seconds to enter malfunction display interface. The malfunction code is displayed in the top-left corner, and the left side of the colon is the current malfunction, and the right side of the colon is the historical malfunction. And you can also press TIME key to view more historical malfunction information. The lower right corner shows the unit number, you can use  or  key to switch it (if the controller controls multiple units).
- (3) In the state of viewing malfunction, long press TIME key for 10 seconds to clear the current malfunction and a historical malfunction.
- (4) If there is no malfunction, it will display “- -”.

Operation

Parameter inquiry

(1) Keep pressing MENU key for 5 seconds (if it is the 4-way/Round-way Cassette model, the time is 10 seconds) to enter parameter inquiry interface. The parameter value is displayed in the upper left corner, and middle area displays parameter type (use ▲ or ▼ key to switch it), and the unit number is displayed in the lower right corner (use TIME key to switch it).

(2)

Type	meaning	Parameter format
A	Indoor sensor Tai temperature	Decimal
b	Indoor sensor Tc1temperature	Decimal
C	Indoor sensor Tc2 temperature	Decimal
d	Indoor unit PMV opening/2	Decimal
E	Indoor unit address	Hexadecimal
F	Indoor unit central address	Hexadecimal


Unit number setting

(1) Long press MENU key for 10 seconds (if it is the 4-way/Round-way Cassette model, the time is 15 seconds) to enter unit number setting interface. The upper left corner displays the central address, and middle area displays communication address, and the unit number is displayed in the lower right corner.

Operation

(2) If the communication address flashes, you can change it with ▲ or ▼ key, and the adjustment range is 0~3F. After adjustment, you need to press MENU key to confirm changes. If the communication address is static displayed, it cannot be changed.

Child lock

(1) Press ▼ and MENU keys for 5 seconds to set / cancel child lock. If child lock function is set,  icon will be displayed in the main interface. In the state of child lock, all keys are not available.

(2) When controlling Fresh Air unit, the controller's main interface will not display ▲ and ▼ keys in normal state. If you want to set child lock function, please press area of ▼ key first, and then press MENU key together for 5 seconds to set / cancel child lock.

Static Pressure (only valid for part of models)

(1) When the controller is turned on, press FAN and MENU keys for 5 seconds to enter static pressure interface. The parameter of static pressure is displayed in the upper left corner. And you can use ▲ or ▼ key to adjust it. After adjustment, you need press MENU key to confirm changes. The unit number is displayed in the lower right corner.

Operation

- (2) The slave controller cannot set the static pressure function.
- (3) You can also use this function by function circulation.


Self-cleaning


Note: Only valid for the units with self-cleaning function.

- (1) Press MENU key, you will enter function circulation, use ▲ or ▼ key to switch between different functions. When it switches to the “CL” function, “CL” will flash in the temperature area. Press MENU key to confirm, and the static display of “CL” indicates that the function is turned on.
 - (2) If the state of the “CL” function is on, when you switch to the “CL” function in the function circulation, pressing MENU key to turn it off.
 - (3) When the “CL” function is set, if you switch modes or switch ON/OFF, the “CL” function will be exit.
 - (4) If you set timer or sleeping function, “CL” function does not participate in the function circulation.
- If “CL” function is turned on, timer and sleeping cannot be set.

Operation

Outdoor unit quiet

(1) Press MENU key, you will enter function circulation, use ▲ or ▼ key to switch between different functions. When it switches to the outdoor unit quiet function, “OUT” will display in the temperature area and  icon flashes. The time parameter of the function on/off is displayed in the upper left corner. You can use TIME key to switch between “OFF → Hours of turn-on time → Minutes of turn-on time → Hours of turn-off time → Minutes of turn-off time → OFF”, use ▲ or ▼ key to adjust parameters. After adjustment, you need to press MENU key to confirm changes.

(2) When the turn-on time you set is up, the outdoor unit quiet is turned on and  icon will display in the main interface. When the turn-off time you set is up, the outdoor unit quiet is turned off.

(3) If you want to cancel this function, you can use the TIME key to switch to “OFF”, then press the MENU key to confirm.

Operation

Low temperature dehumidification

(1) Long press MENU and ▲ keys for 5 seconds to enter advanced settings. The unit number is displayed in the lower right corner. Parameter is displayed in the upper left corner. middle area displays function code. Press ▲ or ▼ key to switch to A38, and then press MENU key to enter parameter adjustment, use ▲ or ▼ key to adjust parameter to 1 (turn on low temperature dehumidification), then press MENU key to confirm change.

At this time, you can exit the advanced settings by pressing MODE key.

(2) After the low temperature dehumidification function is turned on, the range of setting temperature in dry mode is 10°C~30°C.



(3) If you want to cancel this function, please change the parameter of A38 to 0, then the range of setting temperature in dry mode is 16°C~30°C.

Operation

Light strip function (only valid for part of models)

- (1) Long press FAN key for 3 seconds to turn on light strip, the middle area briefly displays “PP” to indicate that the function is set.
- (2) If the function is turned on, long press FAN key for 3 seconds to turn off light strip, the middle area briefly displays “CC” to indicate that the function is off.

Communication with central controller

- (1) After the controller receives the command from the centralized controller. It displays the  icon. At this time, all the keys except the ON/OFF key are invalid.
- (2) After the controller receives the lock command, it displays the  icon. At this time, all keys are invalid.
- (3) In central or lock state, backlight is valid, press any keys to wake up screen.

Operation

Temperature compensation

- (1) This function is used to compensate for ambient temperature. In the state of off, and the backlight is lit up, long press FAN key for 5 seconds to enter temperature compensation interface. You can adjust the parameters with ▲ or ▼ key. After adjustment, you need to press MENU key to confirm change.
- (2) When it is Celsius, the range of parameter adjustment is -4 ~ 4. When it is Fahrenheit, the range of parameter adjustment is -8 ~ 8.
- (3) This function is valid only during collecting ambient temperature of wired controller.

Forced Cooling/Heating

- (1) After controller is in cooling mode and is turned off, long press ON/OFF key for 10 seconds to enter forced cooling function. At this time, controller will be turned on, and “LL” flashes in the middle area to indicate that the forced cooling function is turned on.
- (2) After controller is in heating mode and is turned off, long press ON/OFF key for 10 seconds to enter forced heating function. At this time, controller will be turned on, and “HH” flashes in the middle area to indicate that the forced heating function is turned on.

Operation

(3) All keys are invalid except ON/OFF key under forced cooling/heating mode.

(4) when the forced cooling/heating is set, press ON/OFF key to exit this function.

Difference between the function of the Master wired controller and Slave wired controller

Comparison item	Master wired controller	Slave wired controller
Function	All functions are available	Only the following operations can be performed: (1) ON/OFF, Mode, Fan speed, Temperature setting, Swing, Energy saving, Clock function are available. (2) parameter inquiry and malfunction inquiry

Operation

Dip switch

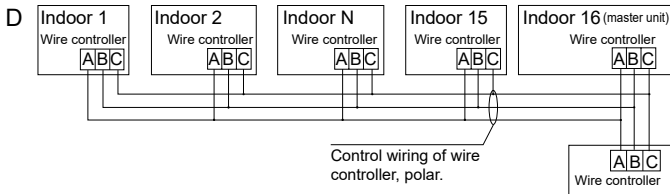
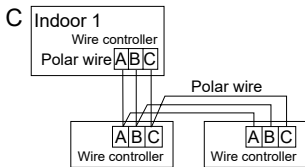
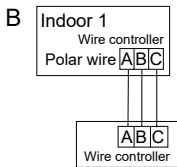
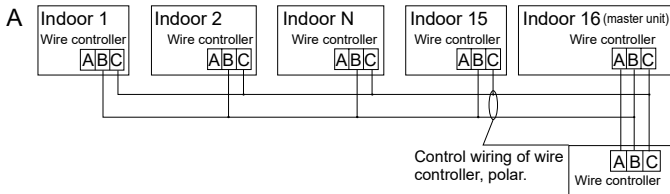
DIP switch 2	ON/ OFF station	Function	Default setting
Sw1	ON	Slave wired controller	OFF
	OFF	Master wired controller	
Sw2	ON	Display ambient temperature	OFF
	OFF	Not display ambient temperature	
Sw3	ON	Collect ambient temperature from PCB of indoor unit	OFF
	OFF	Collect ambient temperature from wired controller	
Sw4	ON	Non-volatile memory invalid	OFF
	OFF	Non-volatile memory valid	
Sw5	ON	Old protocol	OFF
	OFF	Self-adaption	
Sw6	ON	Reserved	OFF
	OFF	Reserved	
Sw7	ON	Model with Up/Down and Left/Right swing	OFF
	OFF	Model with Up/Down swing	
Sw8	ON	Fresh Air unit	OFF
	OFF	Common unit	

Operation

DIP switch 1	ON/ OFF station	Function	Default setting
Sw1	ON	Reserved	OFF
	OFF	Reserved	
Sw2	ON	Not display ambient humidity	OFF
	OFF	Display ambient humidity	
Sw3	ON	Reserved	OFF
	OFF	Reserved	
Sw4	ON	Reserved	OFF
	OFF	Reserved	

Wired Controller Wiring Instruction

Wiring Connections of Wire Controller



Notice:

For wired controller connection, please do follow the corresponding indoor unit installation manual's instruction.

Wired Controller Wiring Instruction

There are four methods to connect wired controller to the indoor units:

1. Group control shown as Figure A and D: One wired controller can control up to 16 indoor units. 3 pieces of polar wire must be used to connect the wired controller and the master unit (the indoor unit connected with wire controller directly). And other units connect to the master unit through 2 pieces or 3 pieces of polar wire depending on the indoor units, please do follow the corresponding indoor unit installation manual's instruction.
2. Individual control as shown Figure B: One wired controller controls one indoor unit, and the indoor unit connects to the wired controller through 3 pieces of polar wire.
3. Two wired controllers control one indoor unit as shown Figure C. Either one of wired controllers can be set as the master wired controller and the other as the slave wired controller. The connection between Master and slave wired controllers as well as wired controllers connecting to indoor units all requires the 3 pieces of polar wire.

Wired Controller Wiring Instruction

Communication wiring

Communication wiring length (m/ft)	Dimensions of wiring
< 100m/328ft	0.3mm ² x3-core shielded wire (22AWG,3wire)
≥100m/328ft and <200m/656ft	0.5mm ² x3-core shielded wire (20AWG,3wire)
≥200m/656ft and <300m/984ft	0.75mm ² x3-core shielded wire (18AWG,3wire)

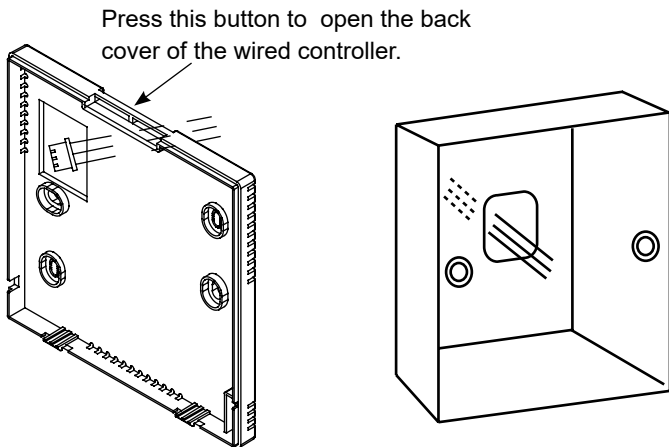
Note:

- One side of the shielded sheet of communication wire must be earthed.
- The total length of communication wire cannot exceed 300 meters.

Wired Controller Wiring Instruction

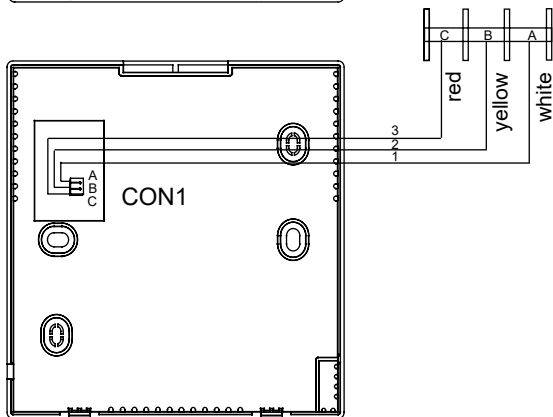
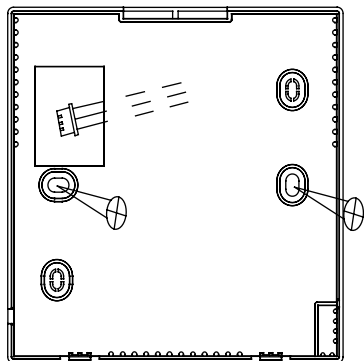
Controller Installation

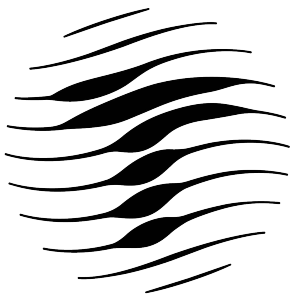
1. First, put communication wire through the hole in the back cover.



2. Fix back cover to the holder. After that, connect communication wire to CON1 port of wired controller. Finally put the front cover of wired controller to back cover to complete the installation.

Wired Controller Wiring Instruction





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