



# ***Owner's Manual***

## **Original Instructions**

### Wired Controller XE70-13/E

Thank you for choosing this product. 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.gree.com](http://www.gree.com) or send an email to [global@gree.com.cn](mailto:global@gree.com.cn) for the electronic version.

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

A decorative background graphic on the right side of the page, featuring a network of interconnected nodes and lines, with a large, dark, geometric shape at the bottom right corner.



# To Users

Thank you for selecting Gree's product. Please read this instruction manual carefully before installing and using the product, so as to master and correctly use the product. In order to guide you to correctly install and use our product and achieve expected operating effect, we hereby instruct as below:

- (1) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- (2) This instruction manual is a universal manual, some functions are only applicable to particular product. All the illustrations and information in the instruction manual are only for reference, and control interface should be subject to actual operation.
- (3) In order to make the product better, we will continuously conduct improvement and innovation. We have the right to make necessary revision to the product from time to time due to the reason of sales or production, and reserve the right to revise the contents without further notice.
- (4) For personal injury or property loss and damage caused by improper

operation such as improper installation and debugging, unnecessary maintenance, violation of related national laws and rules and industrial standard, and violation of this instruction manual, etc., we will bear no liability.

- (5) The final right to interpret for this instruction manual belongs to Gree Electric Appliances Inc. of Zhuhai.

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## 1 Safety Notices (Please be sure to abide )



**WARNING:** If not abide strictly, it may cause severe damage to the unit or the people.



**NOTE:** If not abide strictly, it may cause slight or medium damage to the unit or the people.



This sign indicates that the operation must be prohibited. Improper operation may cause severe damage or death to people.



This sign indicates that the items must be observed. Improper operation may cause damage to people or property.



### **WARNING!**

This product can't be installed at corrosive, inflammable or explosive environment or the place with special requirements, such as kitchen. Otherwise, it will affect the normal operation or shorten the service life of the unit, or even cause fire hazard or serious injury. As for above special places, please adopt special air conditioner with anti-corrosive or anti-explosion function.

## 2 Installation

### 2.1 Dimension and Component of Wired Controller

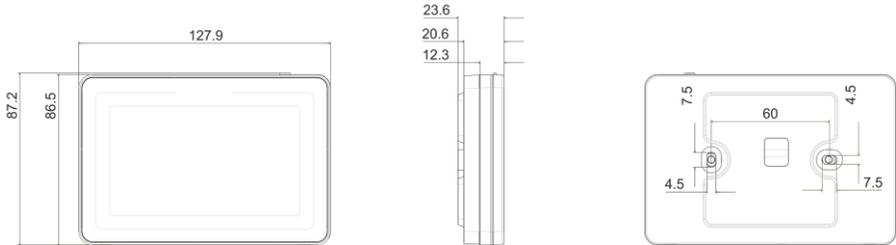


Figure 2-1 Dimension of Wired Controller (Unit: mm)

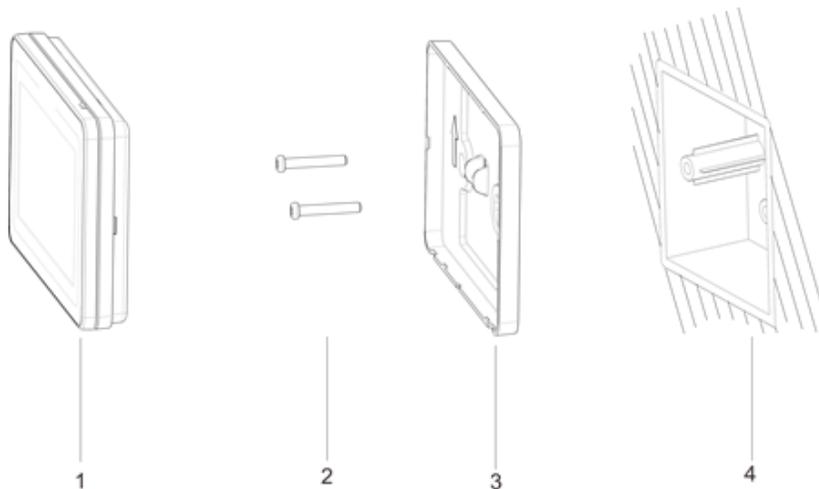


Figure 2-2 Components of Wired Controller

Table 2.1.1 Introduction of Components

No.	①	②	③	④
Name	wired controller	screw M4×25	installing box of wired controller	junction box for installing inside the wall
Quantity	1	2	1	1(prepared by user)

## 2.2 Installing Position and Requirements of Wired Controller

- (1) Please do not install the wired controller in the position where is wet or is likely to be splashed with water;
- (2) Please do not install the wired controller near high-temperature objects or under direct sunlight;
- (3) Before installation, please cut off the power supply of strong current wire inside the wall, it is not allowed to install under electrified status;
- (4) In order to avoid malfunction due to electromagnetic interference and other causes, please pay attention to the following notices:
  - 1) Make sure that the interface of communication wire is correct, otherwise the communication cannot work;
  - 2) Signal wire of wired controller should be separated from the power cord and indoor and outdoor connecting wire, the shortest distance should be over 20cm, otherwise the communication cannot work normally;
  - 3) If the unit is installed in the position where is likely to be impacted by electromagnetic interface, signal wire of wired controller should be made of STP (shielded twisted pair).
- (5) The wired controller should only be installed indoors, and its working

temperature range is 0°C~50°C.

## 2.3 Installation of Wired Controller

For installation steps of wired controller please refer to the following sketch map, brief instructions are as below:

- (1) Before installation, please cut off the power supply of indoor unit, live working during installation is not allowed;
- (2) Pull out the STP inside the wall from the installing hole, thread the wire through the connecting hole in the back of soleplate of wired controller;
- (3) Stick the soleplate of wired controller on the wall, use screw M4×25 to fix the soleplate onto the installing hole of wall;
- (4) Connect the four-core terminal of the twisted pairs to the four-pin header on the wired controller.
- (5) Buckle the panel of wired controller with the soleplate, and then the installation is finished.

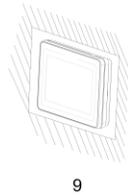
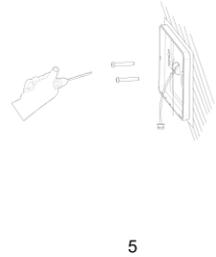
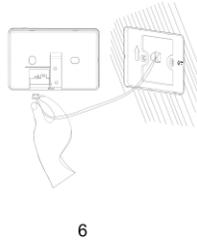
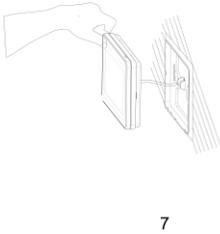
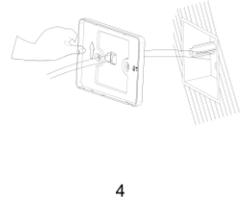
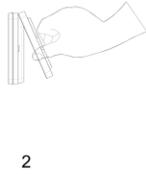
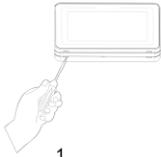


Figure 2-3 Sketch Map for Installation of Wired Controller

## 2.4 Disassembly of Wired Controller

Disassembly for wired controller is as below:

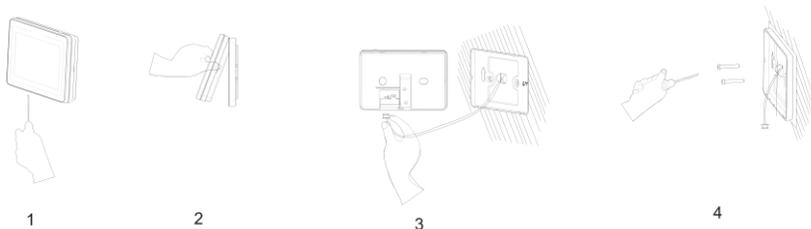


Figure 2-4 Sketch Map for Disassembly of Wired Controller

## 3 Display

### 3.1 Appearance of Wired Controller

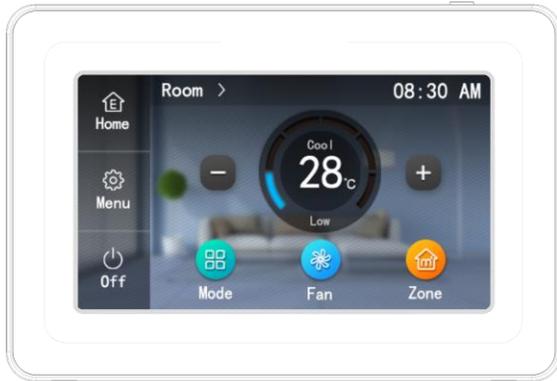


Fig 3-1 Appearance of Wired Controller

## 3.2 Home Page Display and Buttons



Fig 3-2 LCD Display of Wired Controller

Table 3.2.1 Home Page Display and Buttons

No.	Name	Instructions
1	Name of the current zone	(1)It shows the name of the current zone. The set temperature displayed on the home page is the temperature of the current zone. (2)Tap to switch to another zone.
2	Decrease	Tap to decrease the set temperature of the current zone.
3	Set temperature	It shows the set temperature of the current zone.
4	Mode	It shows Cool, Dry, Fan, Heat and Auto modes.
5	Button	(1)Press this button to turn on or off the screen.

		(2) Press this button for 5s to reset the screen.
6	Time	(1) It shows the current time. (2) Press to enter the page of time menu to view or set the date and time.
7	Increase	Tap to increase the set temperature of the current zone.
8	Zone	Tap to enter the page of zone control to set the name, temperature, on/off of each effective zone.
9	Fan speed	Tap to change the fan speed.
10	Current fan speed	It shows the current fan speed.
11	Mode	Tap to switch to another mode.
12	On/Off	Tap to turn on or off the unit.
13	Menu	Tap to enter the page of menu.
14	Home	Tap to turn to the home page.

### 3.3 Other Icons and Buttons

Table 3.3.1 Other Icons and Buttons

Display	Name	Instructions
	Up	(1) Tap to turn to the previous page. (2) Tap to increase the value.
	Down	(1) Tap to turn to the next page. (2) Tap to decrease the value.

	WiFi	It is shown on the home page, indicating the WiFi status.
	On/Off	(1) Tap to turn on or off the timer function. (2) Tap to turn on or off the fan valve of a zone.
	Enable/Disable	Tap to enable or disable each timer setting.
	Return	Tap to return to the previous page.
	Zone setting is not finished.	It is shown on the home page, indicating that zone setting is not finished yet. Tap to view more information.
DRED1 DRED2 DRED3	DRED mode	It is shown on the home page, indicating that the unit is running in DRED mode.

## 4 Functions Description

### 4.1 Functions Framework

Basic functions, including fan speed, set temperature, mode, on/off, can be directly set on the home page. To set other functions or view status of the unit, please go to the corresponding page. Below is the menu structure.

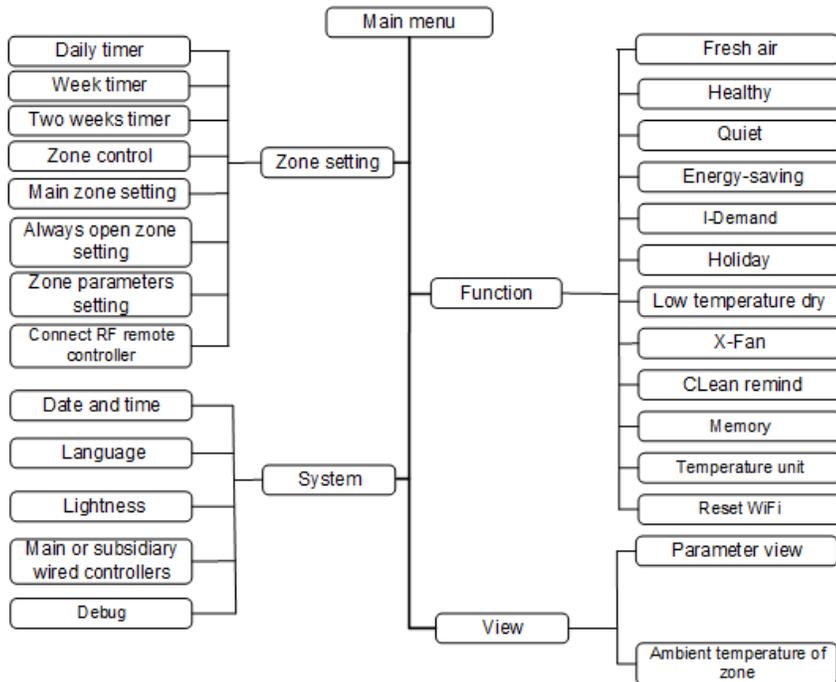


Fig 4-1 Menu Structure

## 4.2 Functions Introduction

Table 4.2.1 Functions Introduction

Function	Introduction
Daily timer	8 timings can be set independently for each zone. The timer includes set temperature and zone on/off. It will work every day after setting.
Week timer	Week timer can be set independently for each zone and 8 timings can be set for each day. The timer includes set temperature and zone on/off. It will work every week after setting.
Two week timer	Two week timer can be set independently for each zone and 8 timings can be set for each day. The timer includes set temperature and zone on/off. It will work every two weeks after setting.
Zone control	Name, set temperature, and on/off of each zone can be set.
Setting of main zone	The most frequently used zone can be set as the main zone. When auto mode is set, the unit's heating and cooling operation will be based on the set temperature and ambient temperature of this zone. This zone must be set.

Function	Introduction
Setting of always open zone	When the unit is on, the fan valve of this zone will be open at all times and cannot be controlled. Temperature setting for this zone is invalid. This zone must be set.
Setting of zone parameters	When this product is installed for the first time, zone parameters must be set so that the zone controller can work normally. Zone parameters include which zone to be used, the area of the zone, and whether RF temperature controller is used for the zone.
Connect RF remote controller	It will send a pairing command to put the zone controller into pairing mode.
Fresh air function	It can adjust the indoor fresh air volume to improve air quality and keep the indoor air fresh. (This function works only after fresh air valve is installed.)
Healthy function	It can generate negative ions. (This function works only after an applicable device is installed.)
Quiet function	It can lower indoor noise to make the room quiet.

Function	Introduction
Save function	By setting the lower limit of set temperature for cool and dry modes and the upper limit of set temperature for heat mode, the air conditioner will run in a smaller temperature range, so as to save energy.
I-Demand function	The unit will run in energy-saving mode.
Holiday function	In heating mode, this function is used to maintain indoor temperature when the user is out. When the user is back, the unit can quickly heat up the room.
Low temperature dry	The unit runs in dry mode at low temperature. Drying capacity is improved.
X-Fan function	When the unit is turned off, the indoor evaporator will be dried to prevent mildew. This function can only be enabled in cool or dry mode.
Filter cleaning indication	When this function is enabled, the unit will record its operation time. When the set time is reached, the user will be reminded to clean the filter, so as to avoid problems such as poor cooling and heating, abnormal protection and bacteria growth due to not cleaning for a long time and filter being blocked.

Function	Introduction
Memory function	The unit resumes the original on/off state when power is restored after power failure.
Temperature unit	The temperature can be set in Fahrenheit or Celsius.
Reset WiFi	Reset the WiFi module for network connection. (Effective only after cloud control is equipped.)
Time setting	Date and time and time format can be set.
Language setting	Language can be set in Chinese or English.
Backlight lightness	Backlight lightness can be set in 10 degrees.
Setting of main and subsidiary wired controllers	Main and subsidiary wired controllers can be set so that the zone controller is equipped with two wired controllers. When two wired controllers are connected, one should be the main controller and the other should be the subsidiary controller.
Parameter view	Outdoor ambient temperature and the time left for filter cleaning (effective when filter cleaning indication is enabled) can be viewed.

Function	Introduction
Ambient temperature of zone	Indoor ambient temperature of each zone (only the zone equipped with RF remote controller) can be viewed.

 **NOTE!**

Because this zone control system will be matched with different units, some functions are not displayed if they are not available on the units.

## 5 Installation and Debugging

When this zone control system is installed for the first time, the following information must be set so that the controller can work normally.

Table 5.1 Information that need to be set during installation

Information that need to be set
At least one zone is used.
Area of the zone
At least one zone is equipped with RF remote controller.
Always open zone
Main zone

If the settings are not complete, there will be the icon “

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Press the icon to enter the page of details, where you can see what contents need to be set. Then press “Confirm” button according to the prompt to enter the page of the relevant setting.

The above contents can also be set in the menu of zone setting. For specific methods, please refer to the related operating instructions in the following chapters.

## 6 Operation Instructions

### 6.1 On/Off

Press “On” button on the home page to start up the air conditioner. Then the temperature adjustment buttons on the home page are displayed. The Mode, Fan, and Zone buttons are highlighted. Press “Off” button to stop the air conditioner. Then the temperature adjustment buttons on the home page are not displayed. The Mode, Fan, and Zone buttons are displayed in low brightness. The pages of On and Off are shown as below.



Fig 6-1 Page of On



Fig 6-2 Page of Off

## 6.2 Mode Setting

When the unit is turned on, press “Mode” button on the home page each time, and the mode will be switched in the following order.

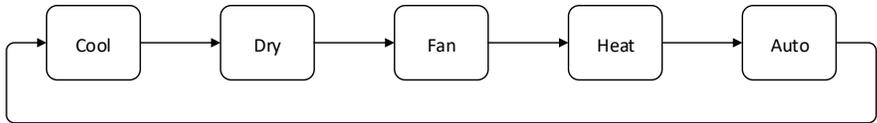


Fig 6-3 Mode Setting



### NOTES!

- ① When energy-saving function is enabled, Auto mode is not available.
- ② When it is matched with cooling only unit, Heat mode is not available. When it is matched with heating only unit, Cool and Dry modes are not available. When it is matched with fan unit, there is only Fan mode.

## 6.3 Temperature Setting

When the unit is turned on, press “+” or “-” button on the home page, and the set temperature will be increased or decreased by 1°C /°F. Long-press the buttons, and the set temperature will be increased or decreased by 1°C /°F every 0.3 seconds.

Under Cool, Dry, Fan and Heat modes, temperature setting range is 16°C ~30°C (61°F ~86°F).

Under Auto mode, there are two control patterns. In one pattern, temperature can be set, and the setting range is 16°C ~30°C (61°F ~86°F). In the other pattern, temperature cannot be set. As to which pattern the unit will have, it depends on the model of the unit.

## ! NOTES!

- ① When holiday function is set, the set temperature is 8°C (46°F) and it cannot be adjusted.
- ② After low-temperature dry function is set, the set temperature is 12°C (54°F).

## 6.4 Fan Setting

When the unit is turned on, press “Fan” button on the home page each time, and the fan speed will be switched in the following order.

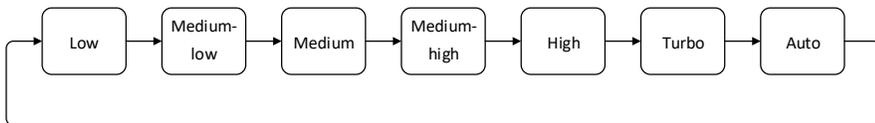


Fig 6-4 Fan Setting

## ! NOTES!

- ① Under Dry mode, the unit runs in low fan speed and the fan speed cannot be

adjusted.

- ② Under Fan and Auto modes, turbo fan speed cannot be set.
- ③ If holiday and I-Demand functions are enabled, the unit runs in auto fan speed and the fan speed cannot be adjusted.

## 6.5 Zone Control

There are two ways to enter the page of zone control.

(1) When the unit is turned on, press “Zone” button on the home page to enter the page of zone control.

(2) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” button to enter the page of zone setting. Then press “Zone Control” button to enter the page of zone control.

There are two pages for zone control. Each page will display 4 zones. Press the “” or “” buttons to change the page, as shown below.



Fig 6-5 Zone Control

After entering the page of zone control, set according to the following instruction.

(1) Press the name of each zone to enter the page of name setting. Press the “” and “” buttons to set the name and number of a specific zone. Press “Confirm” to save the setting.

(2) Press the set temperature of each zone to enter the page of temperature setting. Press the “” and “” buttons to set temperature. Press “Confirm” to save the setting.

(3) Press the “On/Off” button of each zone to turn on or off the zone.

 **NOTE!**

Only the zone that is in use can be set.

## 6.6 Zone Setting

### 6.6.1 Setting of daily timer

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” to enter the page of zone setting.

(2) Press “Daily timer” to enter the page for zone selection. You may select one or several zones. Then press “Set” to enter the page of timer setting. You may also press the “on/off” button to turn on or off the timer function.

(3) After entering the page of timer setting, there are 8 sets of timings for you to set. They are displayed in two pages. Press the “” and “” buttons to change the page. Each set of timing includes the settings of time, temperature and on/off of the zone. Press “Enable/Disable” to enable or disable each set of timing. After you finish all the settings, press “Save” and return to the previous page.

(4) For other zones, the setting method is the same.

### 6.6.2 Setting of week timer

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” to enter the page of zone setting.

(2) Press “Week timer” to enter the page for zone selection. You may select one or several zones. Then press “Set” to enter the page of 7 days selection. You may also press the “on/off” button to turn on or off the timer function.

(3) You may select one or several days. Then press “Set” to enter the page of timer setting.

(4) After entering the page of timer setting, there are 8 sets of timings for you to set. They are displayed in two pages. Press the “

(5) For other zones, the setting method is the same.

### 6.6.3 Setting of two week timer

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” to enter the page of zone setting.

(2) Press “Two week timer” to enter the page for two weeks timer. Then press “Two week timer” again to enter the page for zone selection. Or you may press “Current week” to enter the page of the current week setting, and then fix the current timer to the first week or second week.

(3) After entering the page for zone selection, select one or several zones. Then press “Set” to enter the page of week selection. You may also press “on/off” button to turn on or off the timer function.

(4) After entering the page of week selection, you may select the week that needs to be set and then enter the page of 7 days selection automatically.

(5) You may select one or several days. Then press “Set” to enter the page of timer setting.

(6) After entering the page of timer setting, there are 8 sets of timings for you to set. They are displayed in two pages. Press the “” and “” buttons to change the page. Each set of timing includes the settings of time, temperature and on/off of the zone. Press “Enable/Disable” to enable or disable each set of timing. After you finish all the settings, press “Save” and return to the previous page.

(7) For other zones, the setting method is the same.

## 6.6.4 Setting of main zone

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” to enter the page of zone setting.

(2) Press “Main zone” to enter the page of main zone setting. Select the zone that is going to be the main zone. Then press “Save” and return to the previous

page.



Only the zone that is in use and equipped with a temperature controller can be chosen as the main zone.

## 6.6.5 Setting of always open zone

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” to enter the page of zone setting.

(2) Press “Always open zone” to enter the page of always open zone setting. Select the zone that is going to be the always open zone. Then press “Save” and return to the previous page.



Only the zone that is in use can be chosen as the always open zone.

## 6.6.6 Setting of zone parameters

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “Zone” to enter the page of zone setting.

(2) Press “Zone parameters” to enter the page of zone parameters setting. Then you can select which zone is used, the area of the zone, and whether the

zone is equipped with a temperature controller.

### NOTE!

Do not change the setting of zone parameters arbitrarily; otherwise, the system will not be able to work normally.

## 6.6.7 Enable pairing of zone controller and temperature controller

- (1) Press “Menu” button on the home page to enter the page of main menu. Then press Zone to enter the page of zone setting.
- (2) Press “Connect RF remote controller” to enter the page for confirmation. Press “Confirm” to enter the page of pairing. Then the RF remote controller will be in the pairing mode. The connected RF remote controller will be shown.
- (3) Press “Exit” to end the pairing.

### NOTE!

When pairing is turned on, the RF remote controller that is to be connected should also perform corresponding operations to enter the pairing mode. For details, see the instructions for the RF remote controller.

## 6.7 Function Setting

Following is the instruction on function setting.

- (1) Press “Menu” button on the home page to enter the page of main menu. Then press “Function” to enter the page of function setting.
- (2) Press the function option you want to set and you will enter the page of the corresponding function setting. Press the “” and “” buttons to set the on/off and parameters of the function. Press “Save” and return to the previous page.

Some functions can be set only after they meet the following conditions.

Table 6.7.1 Other Icons and Buttons

Function	Conditions that should be met
Fresh air	The unit is on.
Healthy	The unit is on.
Quiet	The unit is on and in cool or heat or auto mode
I-Demand	The unit is on and in cool mode.
Holiday	The unit is on and in heat mode.
X-Fan	The unit is on and in cool or dry mode.

Detailed description of the following functions:

- (1) When setting the fresh air function, there are 10 fresh air modes. The details are as follows.

Table 6.7.2 Fresh Air Modes

Fresh air mode	Description
1	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 6 minutes.
2	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 12 minutes.
3	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 18 minutes.
4	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 24 minutes.
5	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 30 minutes.
6	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 36 minutes.
7	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 42 minutes.
8	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 48 minutes.
9	The unit is turned on continuously for 60 minutes and the fresh air valve is open for 54 minutes.
10	Fully open

- (2) After turning on the cleaning indication function, the cleaning icon will be shown on the home page when it is time to clean. If the cleaning time is reset, the cumulative time for filter cleaning indication won't be cleared. If the adjusted time is greater than the current cumulative time, the

cleaning icon will not be displayed. If the adjusted timer is less than the current cumulative time, the cleaning icon continues to display. If the cleaning function is turned off, then the accumulated time for filter cleaning indication will be cleared and the cleaning icon will not be displayed.

- (3) After X-Fan function is set, for some units, the X-Fan icon will always be displayed on the home page after shutdown; however, for some other units, if they are shut down in dry mode, the X-Fan icon is displayed on the home page and disappears after X-Fan operation is finished.

## 6.8 View

### 6.8.1 View user parameters

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “View” to enter the page of View.

(2) Press “Parameter view” to enter the page of parameter view. Then you can view the outdoor temperature, and the time left before cleaning. If a parameter is null, it will display “--”.

### 6.8.2 View zone temperature

- (1) Press “Menu” button on the home page to enter the page of main menu.

Then press “View” to enter the page of View.

(2) Press “Ambient temperature of zone” and you can view the ambient temperature of the effective zone.

## 6.9 System

### 6.9.1 Date and time

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “System” to enter the page of System.

(2) Press “Date and time” to view date and time.

(3) Press “Date”, “Time”, and “Time format” respectively to enter the corresponding setting page. Press “Confirm” to save the setting and return.

### 6.9.2 Language

(1) Press “Menu” button on the home page to enter the page of main menu. Then press “System” to enter the page of System.

(2) Press “Language” to enter the page of language setting.

(3) Select a language and press “Confirm” to save the setting and return.

### 6.9.3 Backlight lightness

(1) Press “Menu” button on the home page to enter the page of main menu.

Then press “System” to enter the page of System.

(2) Select “Lightness” to enter the page of lightness setting.

(3) Press the “” or “” button to adjust the lightness. Then press “Confirm” to save the setting and return.

## 6.9.4 Setting of main and subsidiary wired controllers

(4) Press “Menu” button on the home page to enter the page of main menu. Then press “System” to enter the page of System.

(5) Press “Main or subsidiary controller” to enter the page of setting the main or subsidiary controller.

(6) Select a main or subsidiary wired controller and then press “Confirm” to save the setting and return.

## 6.10 View Malfunction

When there is a malfunction, the icon of malfunction will be displayed on the home page. Press the icon of malfunction to enter the page of malfunction information.



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