



GMV5

THE 5TH GENERATION OF

GREE MULTI VRF SYSTEM



GMV5 Controllers

Overseas Sales Co, GREE

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Wired Controller XK46

2

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Remote Controller



XK46

- Appearance

- Wiring Requirements

- Major Function

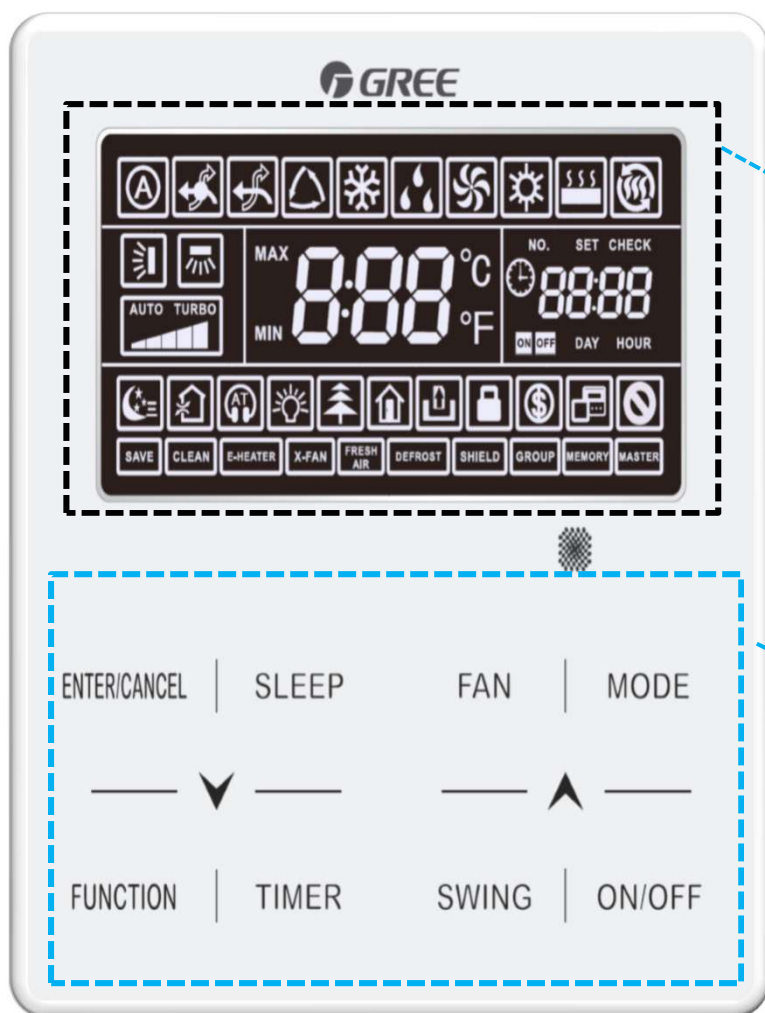
- Trouble shooting

1

Appearance



General View



Dimension: 112*112*22mm

LCD Display
37 Icons

10 Buttons



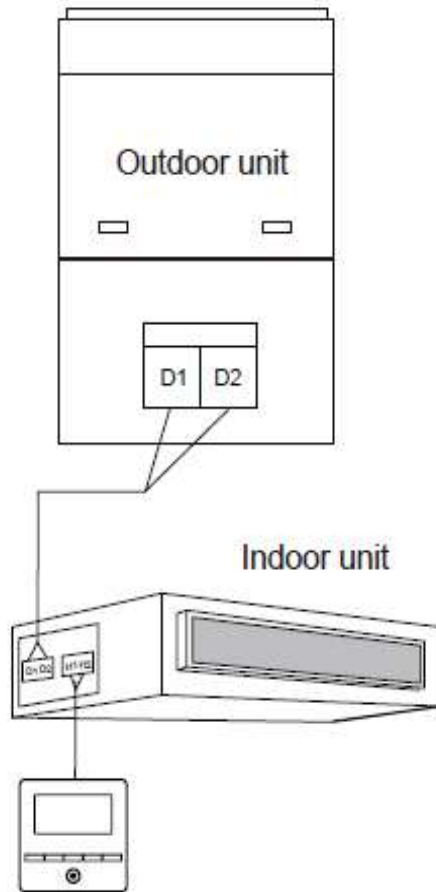
LCD Display



2

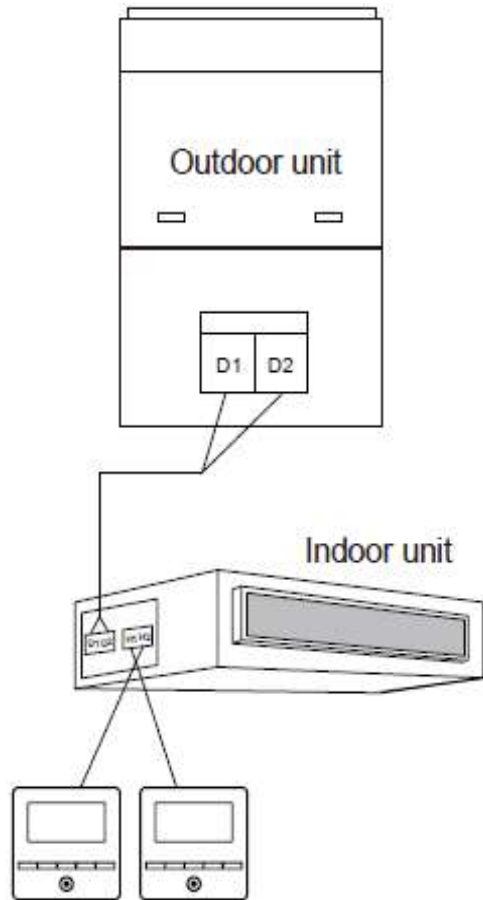
Wiring Requirements

Wiring Network 1



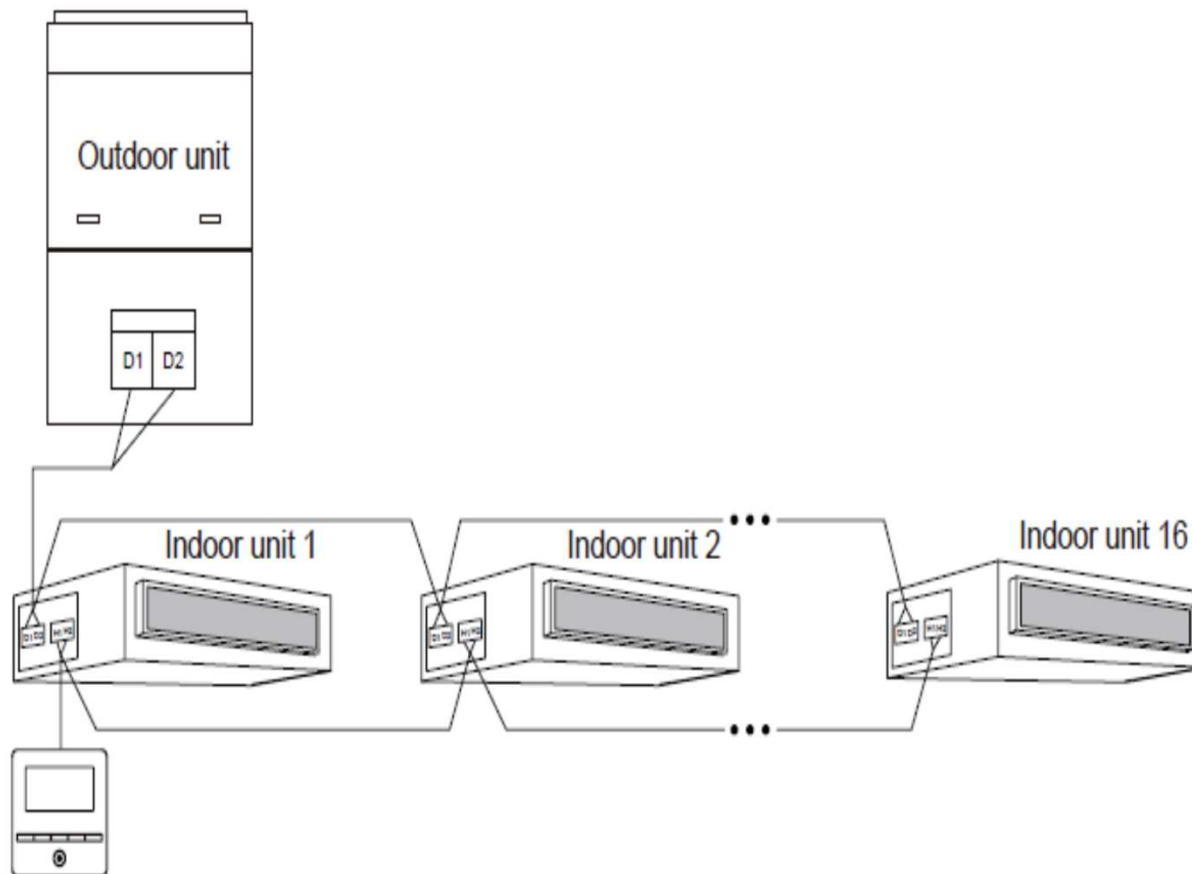
One wired controller
controls
one indoor unit

Wiring Network 2



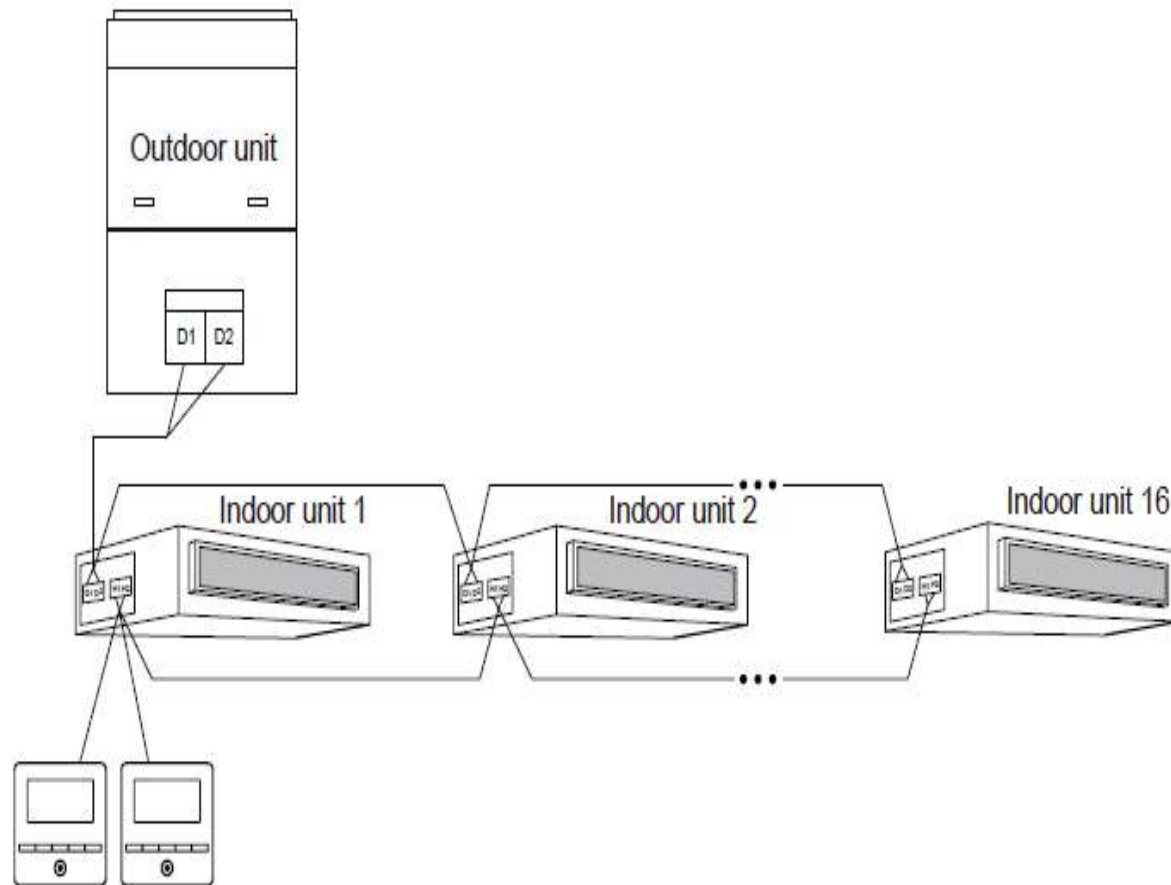
Two wired controllers
control
one indoor unit

Wiring Network 3



One wired controller
controls
Multiple indoor units

Wiring Network 4



Two wired controller

Multiple indoor units

3

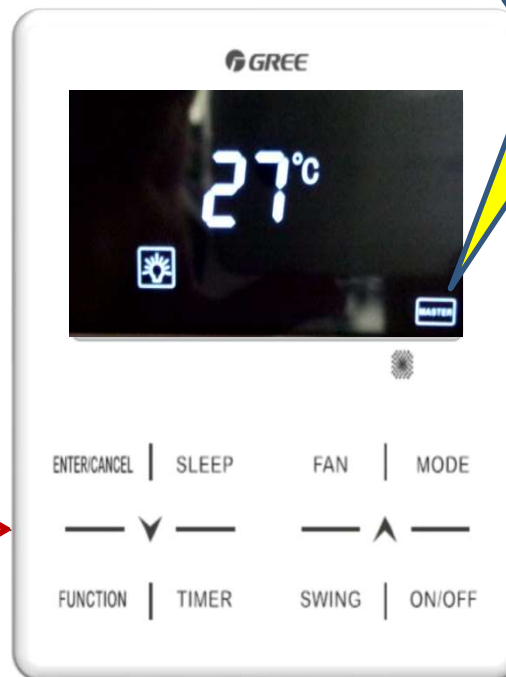
Major Function



Master Indoor Unit

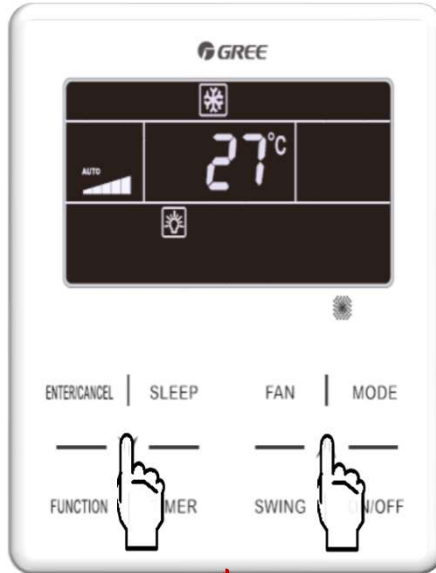


Press **MODE** and hold
for **5s**

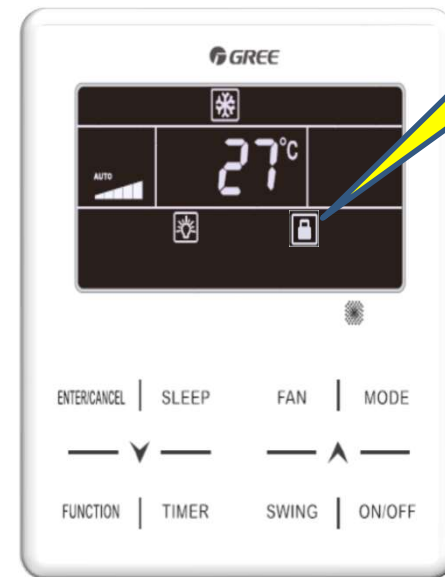




Child Lock

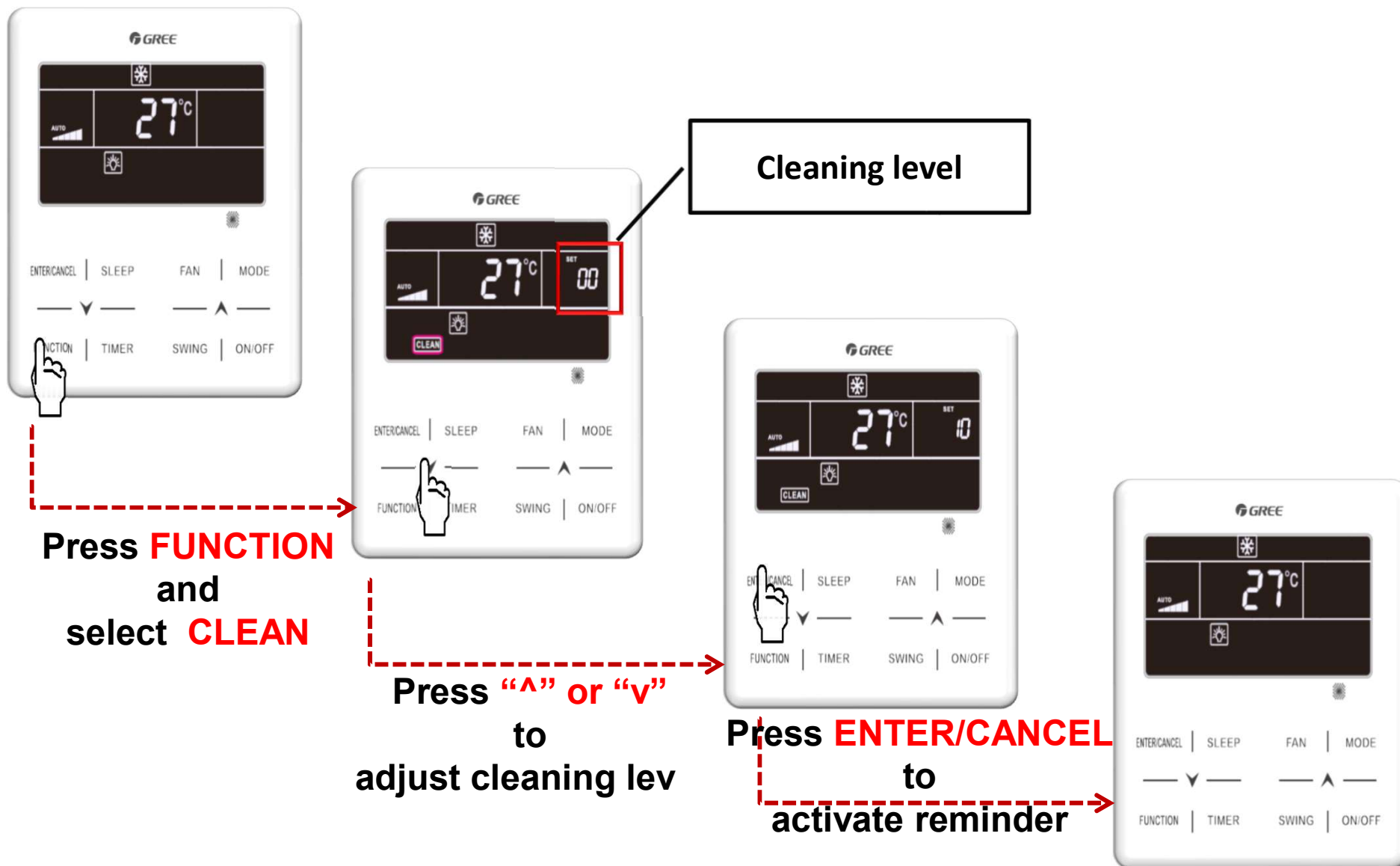


Press “^” and “v”
at the same time
and
hold for 5s





Filter Clean Reminder



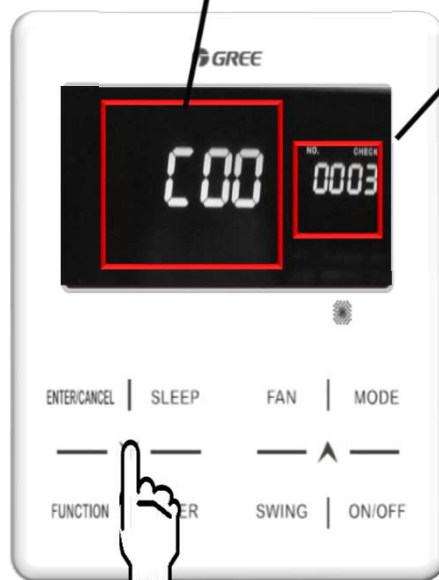
Cleaning Level

Cleaning Period	Level	Level Range	Steps	Period Increase Each Step	Period Started from	Period Started End
OFF	00					
Long	1X	10-19	10 (X=0,1,2,3,...,9)	500 hrs	5500 hrs (Level=10)	10000 hrs (Level=19)
Medium	2X	20-29	10 (X=0,1,2,3,...,9)	400 hrs	1400 hrs (Level=20)	5000 hrs (Level=29)
Short	3X	30-39	10 (X=0,1,2,3,...,9)	100 hrs	100 hrs (Level=30)	1000 hrs (Level=39)

User Parameter Enquiry

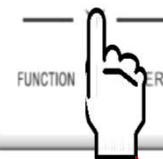


Press **FUNCTION**
and
hold for **5s**



Parameter
code

Parameter value



Press **“^”** or **“v”** to
select parameter code



Press **ENTER/CANCEL**
to
return to last step

User parameter Enquiry

C01

Project number query of IDU and faulty IDU location

C03

Indoor unit quantity query in the system network

C07

Indoor environment temperature query

C09

Wired controller address query

C12

Outdoor environment temperature query

**Refer to user
manual for
more
parameter code**

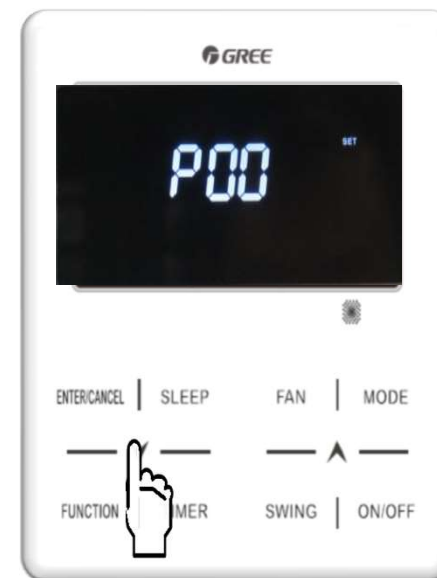
User Parameter Setting



Press **FUNCTION**
and
hold for **5s**



Press **FUNCTION**
and
hold for another **5s**



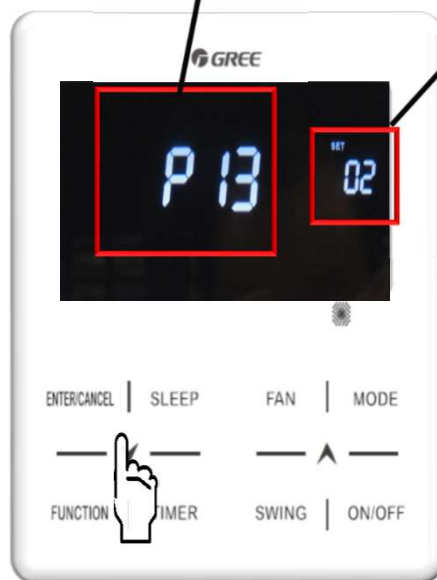
Press **“^”** or **“v”** to
select parameter



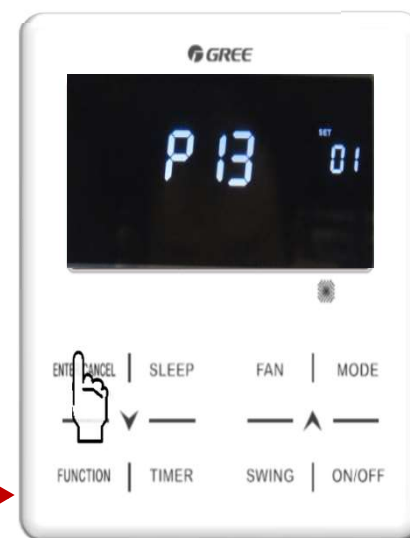
Parameter Setting



Press **MODE**
to
enter editable status



Press **“^” or “v”**
to
change the value



Press **ENTER/CANCEL**
to
return to last step



User parameter Setting



P11

Infrared connection setting of wired controller

P13

Wired controller address settings

P16

Set unit of temperature (Celsius or Fahrenheit)

P30

Static pressure settings fan indoor fan

P46

Accumulated time clearing for air filter cleaning

**Refer to user
manual for
more
parameter code**



Error Display



4

Trouble shooting

Trouble	Detail	Possible Cause	solution
No display of Wired Remote Control (WRC)	Power supply abnormal	<ol style="list-style-type: none"> 1. Unit not electrified, bad connection or broken power cable 2. Bad connection or broken communication cable between IDU and WRC 3. Damaged WRC 	<ol style="list-style-type: none"> 1. Electrify the unit 2. Check the power cable and connection 3. replace WRC with new one
Repeated Power On/Off or WRC automatically	Repeated Power On/Off in 40s for 3 times, then come with Error Code "C0"	<ol style="list-style-type: none"> 1. Only one WRC control one or multi IDUs, but is set as Slave WRC 2. WRC receive no data from IDU 	<ol style="list-style-type: none"> 1. Set WRC as Master WRC (set "P13" value to "01"); 2. Replace the WRC with a new one

Trouble	Detail	Possible Cause	Solution
ERROR 【C0】	Communication between IDU and ODU, or IDU and WRC	1. Address setting confliction 2. Bad connection or broken communication cable 3. PCB Malfunction	1) If “C0” only shows on WRC a) Check if there is 3 or more WRCs connect to one or multi IDUs(work as multi point control or group control) , only up to 2 WRCs is allowed to connected in this situation. b) If 2 WRCs connect to same IDU(s), set only one as master WRC, another one as slave WRC c) If 1 WRC connect to IDU(s), set this one as Master WRC (can not be set as slave WRC) d) Check the number of IDUs controlled by WRC, to see if it is properly set in WRC 2) If no C0 shows in the ODU control panel, only the network between IDU and WRC should be checked; or If C0 shows in ODUs also, all network (IDU to ODU, IDU to IDU, IDU to WRC) should be checked; a) Check the communication cable and connection; b) Re-connect or change the cable is it is broken 3) Replace the WRC or PCB and if it damaged.

Trouble	Detail	Possible Cause	Solution
【C5】	Project ID number of IDUs confliction	Some units in a system have same project ID number	Modify and set individual project ID number for each unit (can done through debugging software, wireless remote control, wired remote control)
【L9】	The number of IDUs controlled by WRC is not properly set	<ol style="list-style-type: none"> 1. More than 16 IDUs are connected to 1 WRC; 2. The number of IDUs controlled by WRC is not properly set 	<ol style="list-style-type: none"> 1. Reduce the controlled IDUs to 16 units or below; 2. Set the proper quantity of IDUs through parameter setting according to the actual connection(P14)
【LA】	Mixed connection of IDUs of different type	Mixed connection of IDUs of different type which are group controlled by 1 WRC	Make change of the connection or be sure the WRC group control only the same type IDUS



Trouble	Detail	Possible Cause	Solution
【CP】	Multi MASTER WRC	2 WRC control 1 or multi IDUs are both Master WRC	Set 1 WRC to work as Slave WRC(though the parameter P13, and the value should be 02)



XK49

- Appearance

- Wiring Requirements

- Major Function

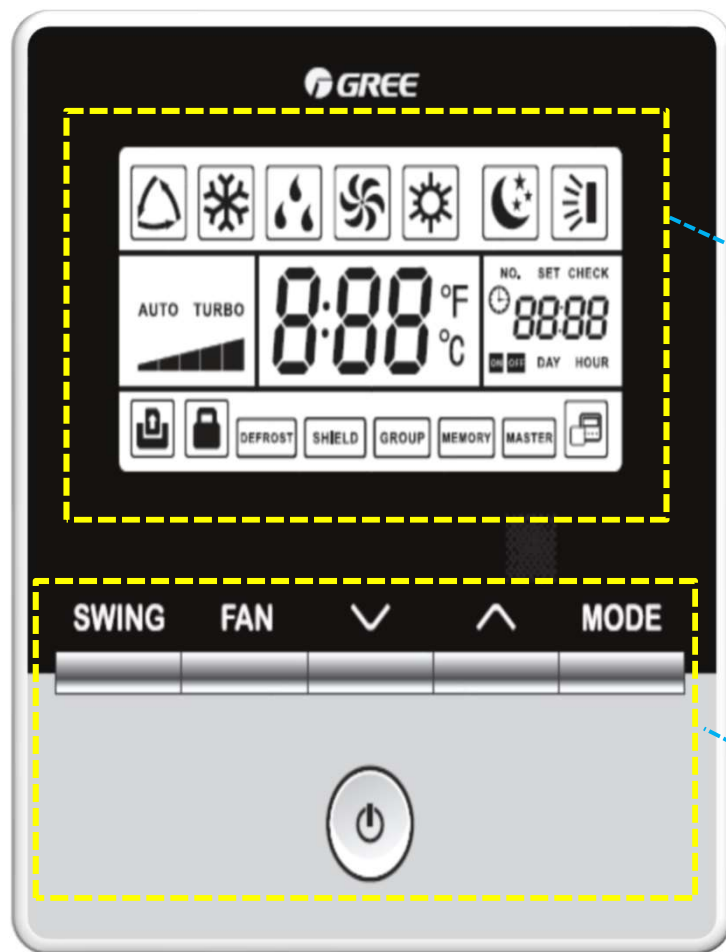
1

Appearance



General View

Dimension: 92*92*16 mm

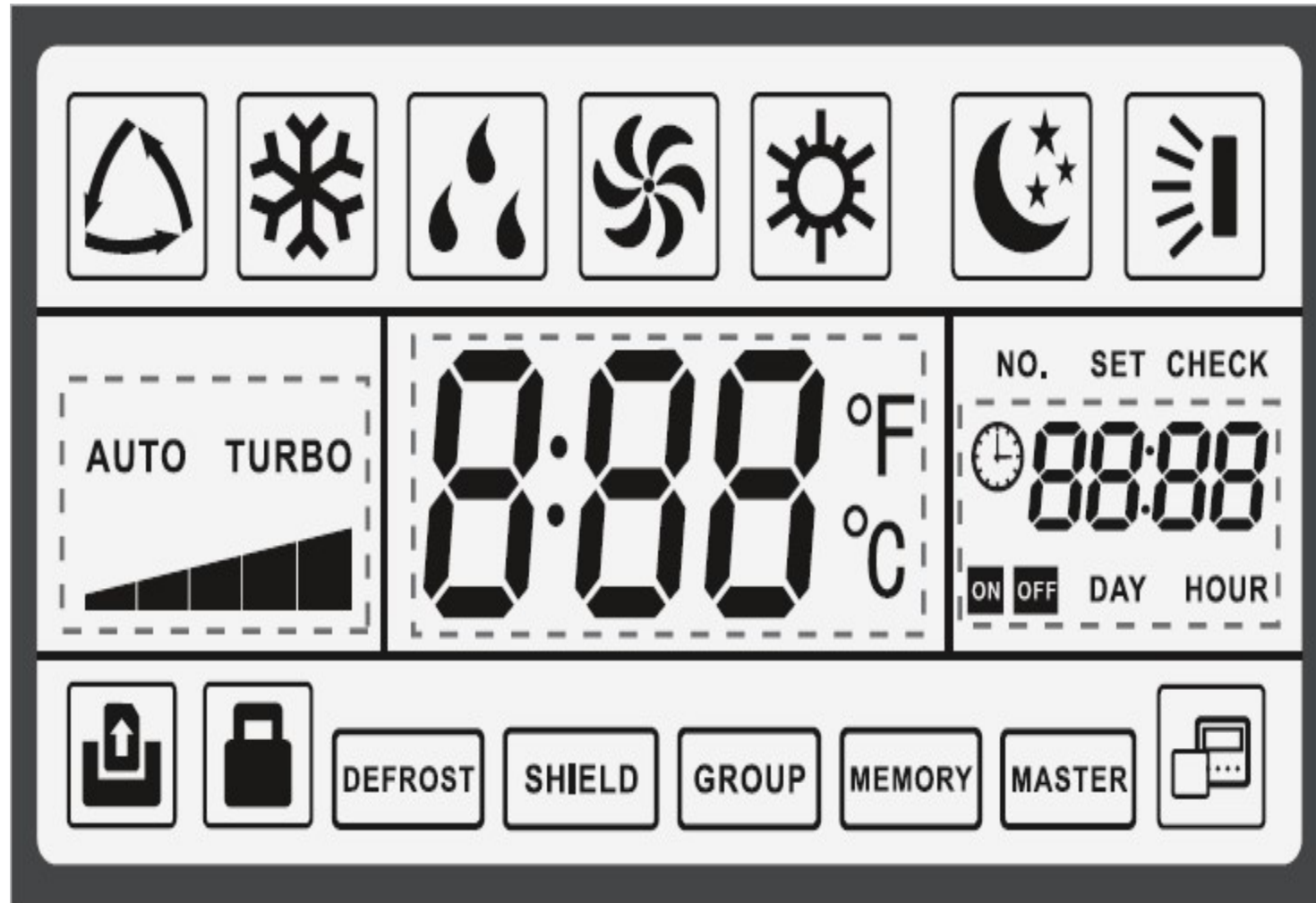


LCD Display
20 Icons

6 Buttons



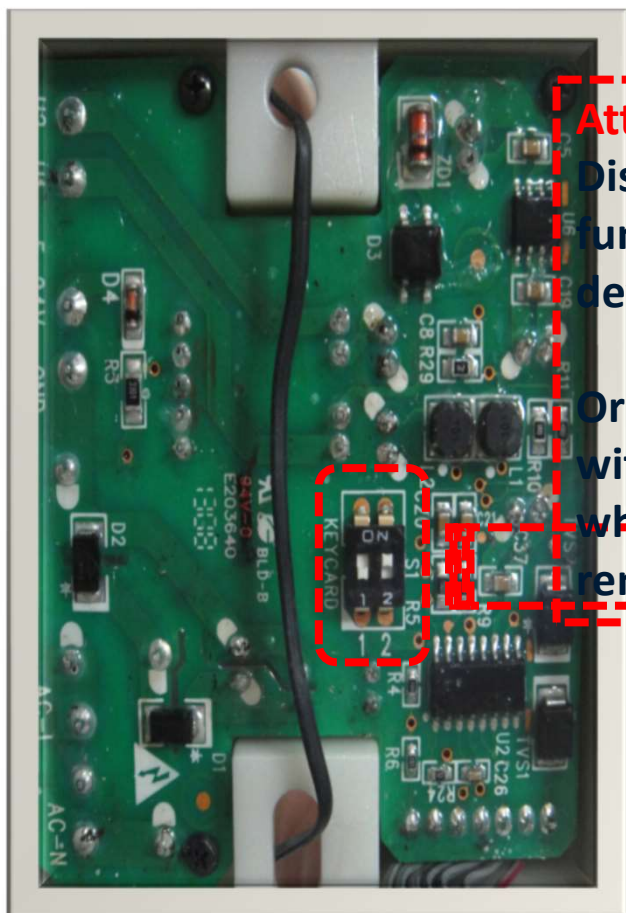
LCD Display



2

Major Function

Key-Card Control



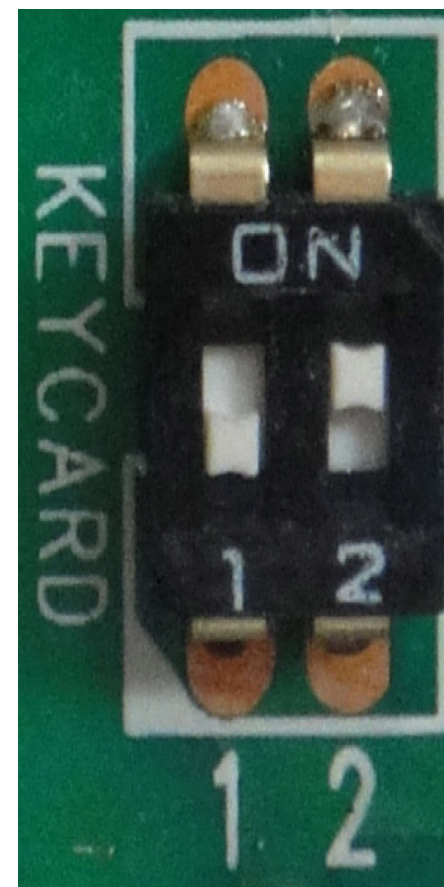
Attention: *

Disable the key-card control function if no key-card control device connected!

Or you can not operate the WRC without signal input, because of which consider the key-card is removed!

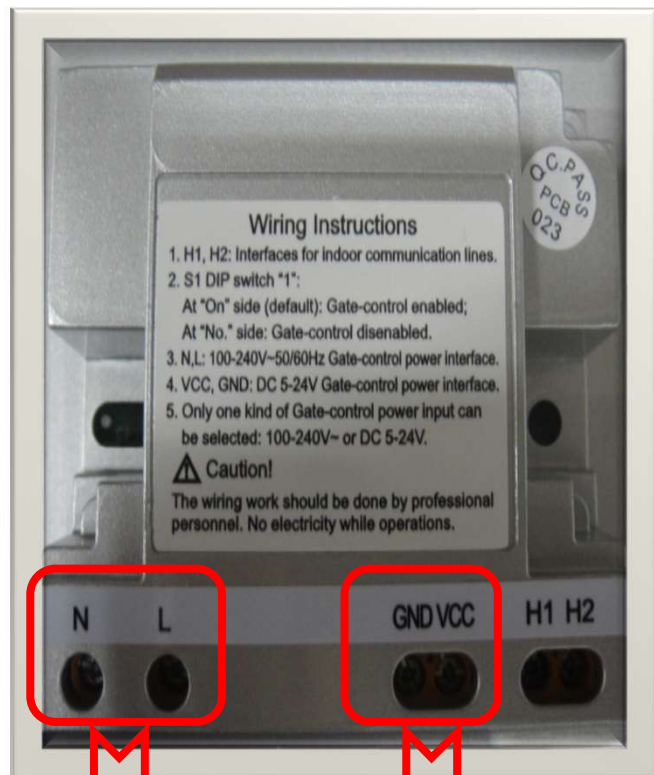


Key-Card Control
Enabled



Key-Card Control
Disabled

Key-Card Control



**100-240V/50Hz
60Hz**

**5-24V DC
signal input**

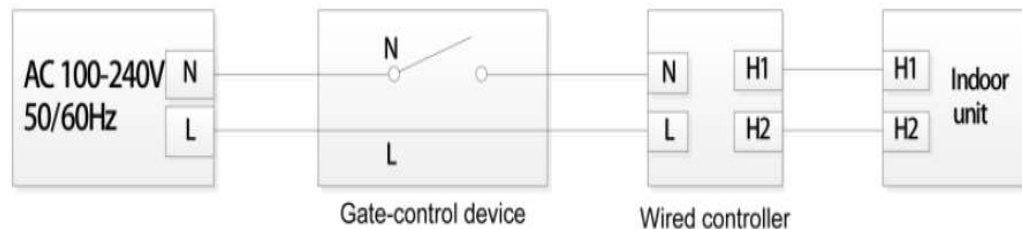


Figure 3.12 Wired Controller Connecting to Gate Control AC100-240V

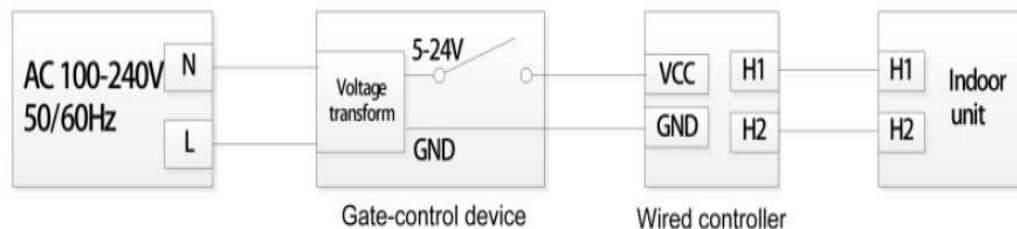
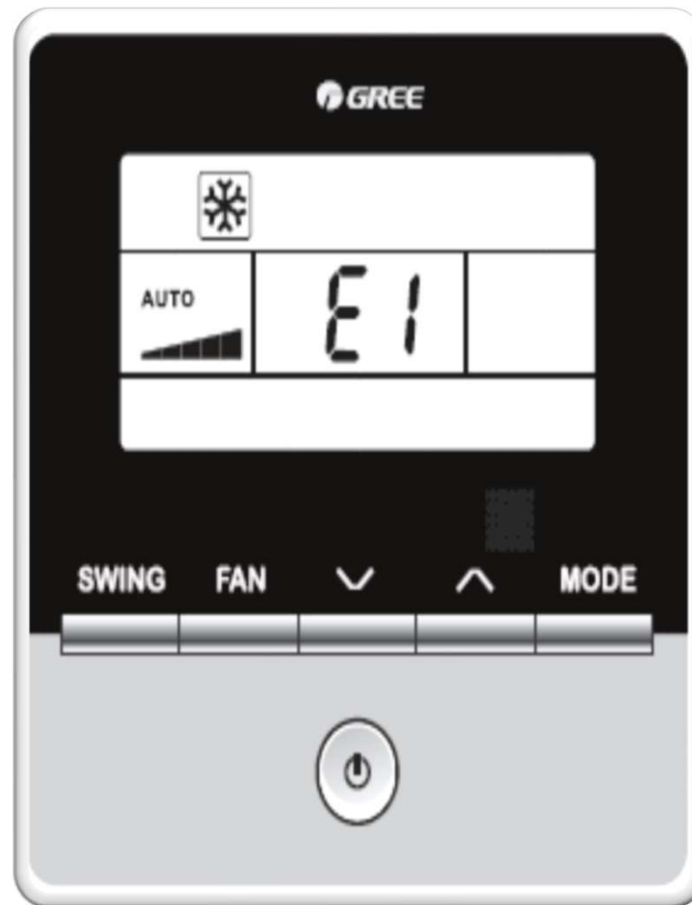


Figure 3.13 Wired Controller Connecting to Gate Control DC5-24V



Error Display



YAP1F & YV1L1

- Appearance

- Major Function

1

Appearance



General View



YAP1F



YV1L1

2

Major Function

I-FEEL Function

In unit on status, press **IFEEL** to turn on or the turn off the I-Feel function.

When I Feel function is turn on, the unit will **adjust temperature according to the temperature detected by the remote controller** to achieve the best air-conditioning effect.

ATTENTION!

The remote controller should be within the valid receiving range.



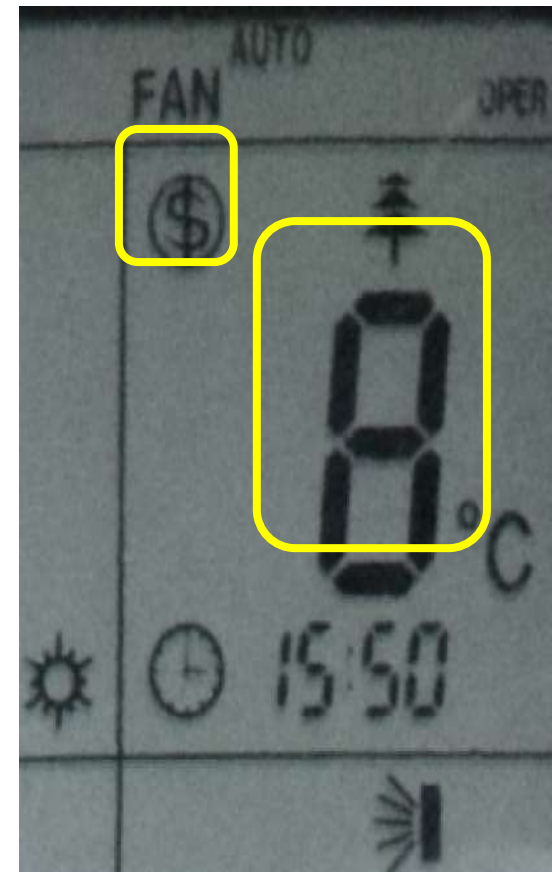
Absence Function

Press **CLOCK** and **TEMP** at the same time to enter the absence function.

In winter, absence function can **keep the indoor ambient temperature 8 °C** to avoid freezing.


ATTENTION!

Absence function is only available in heating mode and it will exit when switching mode.



Child Lock

press ▲ and ▼ at the same time to turn on the Child Clock function,  will be displayed.

If child clock function is turned on, **all the buttons are locked**.  blinks 3 times when pressing the button, and any operation is invalid.



Viewing Ambient Temperature

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

Ambient temperature displaying will be exited after 5s and then set temperature will be displayed.



Master Indoor Unit

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.





THANK YOU

