

# **Hisense**

## **USE AND INSTALLATION INSTRUCTIONS**

**APPLICATION MODEL**

**YXE-G01U(E)**

Thank you very much for purchasing this wired controller. Please read this **use and installation instructions** carefully before installing and using this appliance and keep this manual for future reference.

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# Safety Precautions


## 1. Important Notice

- We pursue a policy of continuous improvement in design and performance of products. Company reserves the right to change the specifications without notice.
- We cannot anticipate every possible circumstance that might involve a potential hazard.
- No part of this manual can be reproduced without written permission.
- Signal words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness.

Definitions for identifying hazard levels are provided below with their respective signal words.

 **DANGER** : Immediate hazards which WILL result in severe personal injury or death.

 **WARNING** : Hazards or unsafe practices which COULD result in severe personal injury or death.

 **CAUTION** : Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.

**NOTE** : Useful information for operation and/or maintenance.

- Installation and maintenance should be performed by a qualified personnel.
- If you have any questions, contact your distributor or dealer.
- This manual should be considered as a permanent part of the air conditioning equipment and should remain with it.

## 2. Product inspection

- Upon receiving this product, inspect it for any shipping damage. Claims for damage, either apparent or concealed, should be filed immediately with the shipping company.
- Ensure that all accessories are included with the unit according to the accessories list.
- Check the model number to determine if they are correct. The standard utilization of the unit shall be explained in this manual. Therefore, the utilization of the unit other than those indicated in this manual is not recommended.
- Follow local codes and regulations when installing the wired controller.
- Please contact your local agent, as the occasion arises. Our company disclaims all responsibility for changing the equipment without our company's written consent.

## 3. Safety summary

 **DANGER**

- User should not install the appliance. Only an authorized personnel should perform the installation. Improper installation could cause damage by fire or electric shock.
- Perform the installation correctly referring to the installation manual. Incorrect installation could cause a personal injury due to fire or electric shock.

# Safety Precautions

- Do not splash water on the appliance and do not touch it with wet hands. These products are equipped with electrical components, only an authorized personnel should perform the installation.
- Must not touch or regulate safety device in the appliance. Otherwise serious accident may occur.
- Please be sure to cut off the main power supply before opening the panel to repair.
- Please use specified cable. Connect it firmly to the connection terminals avoiding the shielding.

	Cable size	Type	Remarks
Wired controller cable	24AWG (0.21mm <sup>2</sup> )	Polar 4 core	Use shield cable in accordance with UL2547. Max. length allowed: 40m(131-1/4ft)

- Do not apply wire stress to these parts. Otherwise it might cause electric shock or fire, etc. Install the appliance on the base that can support its weight. Otherwise it may cause injury in the event the appliance falls off the base.
- Connect with the electric supply after installation and check electric leakage.



- Avoid the following places for installation where appliance may fail to operate normally:
  - Places with presence of oils.
  - Places where sulfide gas occurs such as hot springs.
  - Places with a flammable environment.
  - Salty places such as coastal regions.
  - Places with high temperature, electric signals or flames, which may lead to heat or fire.
  - Where there is high-frequency or wireless equipment, which can cause interference.
  - Moisture or water flooding place. Once the water enters inside the wired controller, electric shock or electronic parts failure may occur.
- Do not install the appliance or connect the wires before reading the manual.
- Usage of spray such as pesticides, paint, hair gel or other toxic gases within 1 meter of the appliance is prohibited.
- If the ELB (Electric Leakage Breaker) or fuse trouble is liable to occur, please consult local service provider.
- Do NOT place any object on the unit that is not related to the appliance. Protect the wires, electrical parts, etc. from rats or other small animals. If not protected, rats may gnaw at unprotected parts and at the worst, a fire will occur.
- Firmly connect wires. Excessive force may cause short circuit.
- If the electric box or fuse break happens frequently, please consult local service provider.

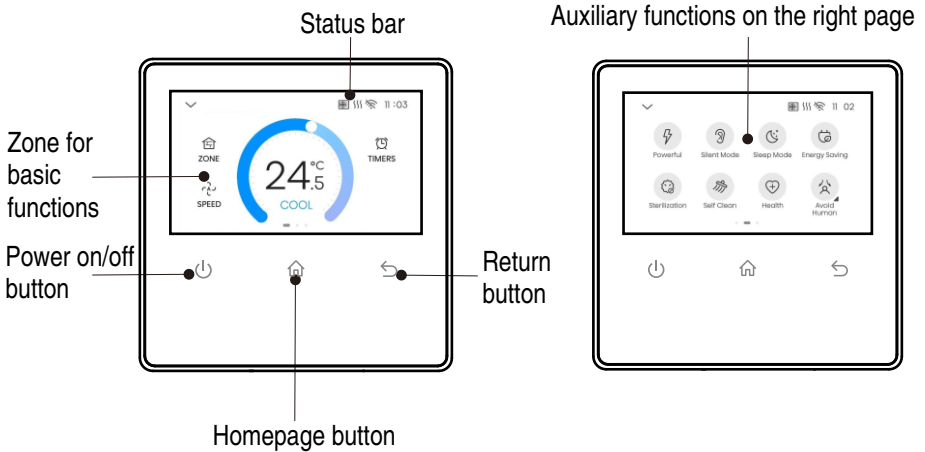


- Install indoor unit, outdoor unit, wired controller or cables at least 3 meters away from high-frequency electric signal source (such as medical appliance).
- Do not tread on products or place anything on it.
- Choose a place as described below to install wired controller to let TEMP. sensor work normally.
  - A. A place where average temperature in the room can be detected.
  - B. A place which is not exposed to direct sunlight.
  - C. Avoid extremely hot or cold locations.
- Do not play with the wired controller.



# Introduction to Wired Controller

## Introduction to wired controller



## Function and status icon

Icon	Function Description	Icon	Function Description
	Temperature adjustment function		Self clean mode
	Locale function		Health mode
	Fan speed regulation function		Powerful dehumidification function
	Swing setting function		Electric auxiliary heating function
	Timer setting		Human sense function
	Favorites function		New air mode
	Powerful function		Natural wind mode
	Quiet function		WiFi
	Sleep mode		Settings
	Defrost		Notifications
	Preheating		Child lock
	Warning		Buzzing
	Filter		Active compressor
	Energy saving mode		

### NOTE:

- This guide manual only provides a general introduction to the main functions of the wired controller. The available function varies based on different indoor models.
- All the pictures are for illustration only, and if there are any discrepancies with the actual object, the actual object shall prevail.

# Function Setting

## Basic Functions

Homepage displays basic function icons.

### Mode setting

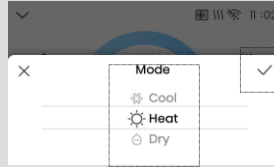
This wired controller should be used with the air conditioner. it can be used for cooling, heating, dry and fan etc.

For other functions and settings, please refer to the specific operation in this manual.

① Enter the mode selection function



② Select a mode & confirm

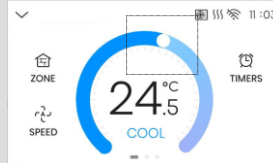


#### NOTE:

- The actual mode options are displayed based on the support of the indoor unit.

### Temperature setting

Slide to adjust indoor temperature.



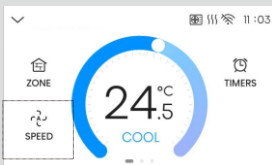
#### NOTE:

- The default setting range depends on the indoor unit.
- When the set temperature reaches the upper or lower limits setting temperature will not increase or decrease.

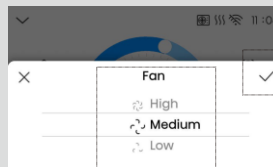
### Fan speed setting

Press the " SPEED " button to adjust the fan speed.

① Enter the fan speed selection function



② Select a speed & confirm



#### NOTE:

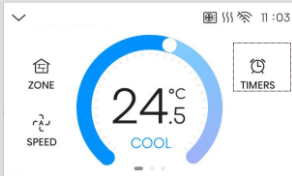
- AUTO fan speed is invalid for "FAN " mode.
- AUTO fan speed is the default setting under Dry mode, and it can't be adjusted.

# Function Setting

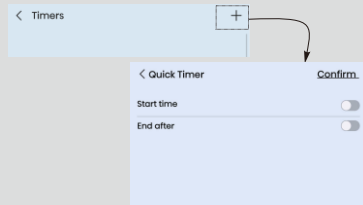
## Timer setting

The air conditioner operation and stop time can be set through the timer function.

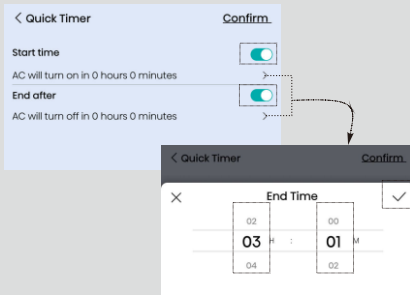
1 Enter the timer setting function



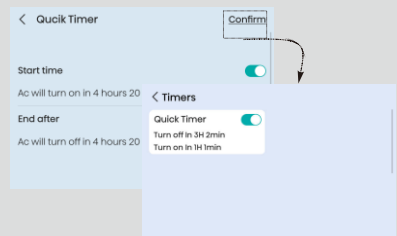
2 Add a timer



3 Set the start and end time of the timer (on/off)



4 Confirm timing setting



### NOTE:

- The selection range for timed hours is 0~23.
- "Turn OFF" and "Turn ON" cannot be set to the same time.

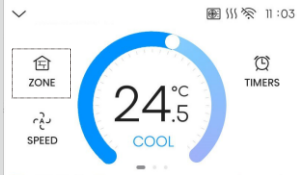
# Function Setting

## Zone control setting & group control setting

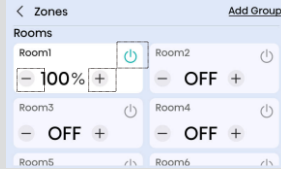
### Zone control setting

The zone control setting realizes the control of each outlet of the indoor unit separately.

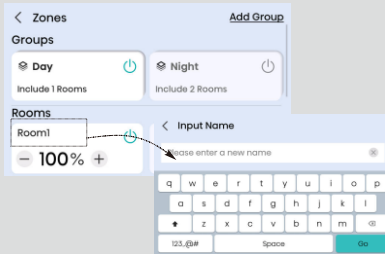
① Enter the zone control setting function



② Turn on/off the outlet of each zone and the increase/decrease the air valve opening



### Zone renaming



#### NOTE:

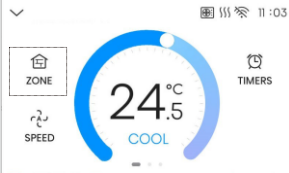
- The zone control function is effective when used in conjunction with the zone controller.
- The zone control function requires professional personnel to complete the presetting of “Zone Setting” in “Settings” before users can use it.

# Function Setting

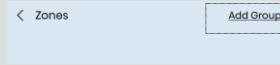
## Group control setting

The group control function realizing grouping of the set zones and simultaneous on/off control of each zone within the group.

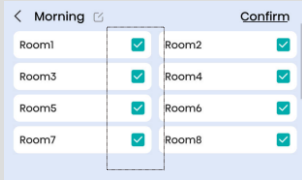
1 Enter the "ZONE" function



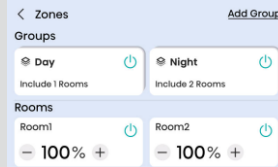
2 Add a group



3 Select zones

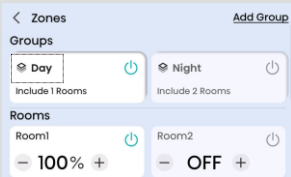


4 Enable/disable group control

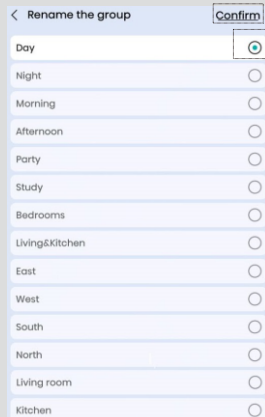


## Group renaming

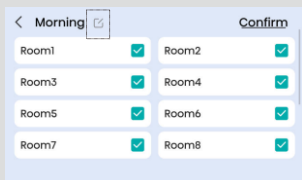
1 Enter the group rename interface



3 Select a name from the list



2 Enter the group name selection interface




# Function Setting

## Auxiliary Functions

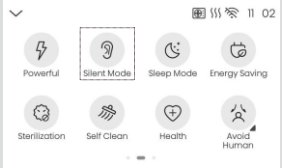
- In the on/off state, slide the screen to the left to open the right page and display the auxiliary functions.
- Effective functions are presented as dark icons, while ineffective functions are presented as light icons.

### Function selection

**1** Slide to the right page



**2** Select & enable the function(s)



## Introduction to auxiliary functions

Functions	Function describe
Powerful	The maximum cooling/heating capacity can be activated at the super mode.
Silent Mode	The Silent mode reduces the noise by changing the fan speed of indoor unit so as to keep quiet during operation at night.
Sleep Mode	With the sleep function, the air conditioner will run in the mode of comfortable sleep to improve comfort.
Energy Saving	Under the Energy Save mode, the air conditioner will run more energy-saving.
Self Clean	Under the self-cleaning mode, the indoor unit/ outdoor unit will activate the self-cleaning operation.
Health	In the health mode, indoor air sterilization is performed.
Auxiliary Heat	Enable auxiliary heating, and the indoor unit will start electric auxiliary heating.
New Air	In the new air mode, outdoor air is introduced indoors to improve indoor air quality.
Night Setback	Set the cooling/ heating temperature range in the certain period, when room temperature beyonds this range, the air conditioner will turn on to get the room temperature back to this temperature range.
Natural Wind	3D air deflector is used to simulate natural wind and enhance comfort.
Home Leave	Home Leave is a feature that enables to keep the room temperature above 8°C when the occupants are out.

# Function Setting

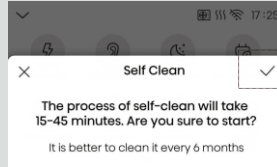
## Step-by-step operation of some functions

### Self Clean

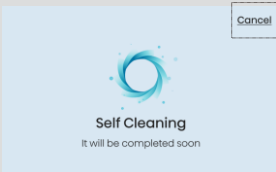
1 Select & enable the “Self Clean” function



2 Confirm



3 During the process, you can choose to cancel



# Function Setting

## Drop-down Menu

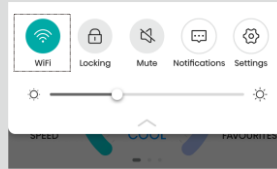
Implement shortcut operations for some functions in the drop-down menu.

### Function selection

1 Enter the drop-down menu



2 Select & enable the function(s)



### Introduction to functions of drop-down menu

Functions	Function describe
WiFi	To enter the Wi-Fi setting state.
Locking	The screen lock protects your air conditioning from potential damage by children playing with the controller.
Mute	Turn on/off the buzzer indicator.
Notifications	Three types of notifications are provided: version update notification, error notification, and filter cleaning notification.
Settings	To enter the settings page.
Back light	Drag the slider to adjust the brightness of the backlight.

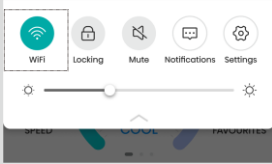


# Function Setting

## Step-by step operation of some functions

### WiFi setting

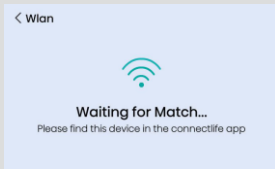
#### 1 Select & enable the WiFi



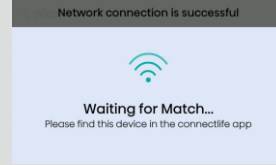
#### 2 Start WLAN matching




#### 3 Wait for matching

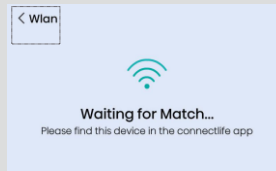
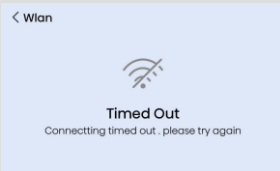


#### 4 Successful matching



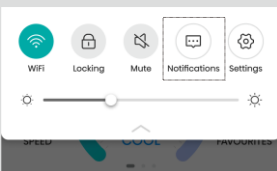
#### NOTE:

- After setting successfully, the Wi-Fi indicator “” will be displayed.
- If the matching fails, return to the previous level to rematch.

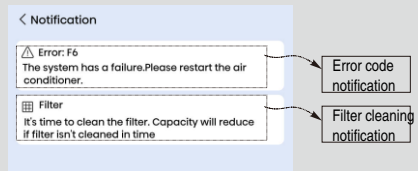


### Notifications

#### 1 Tap on the “Notifications”



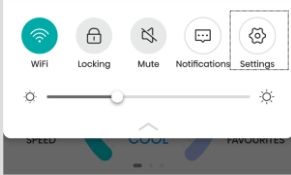
#### 2 Read the notifications



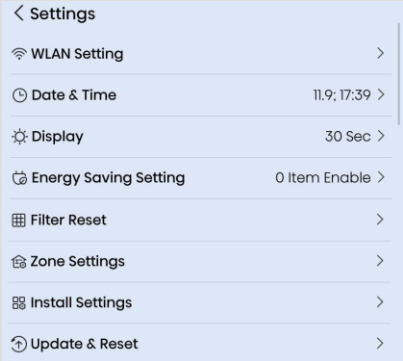
# Function Setting

## Settings

1 Tap on the "Settings"



2 Select the corresponding setting & enter the setting page





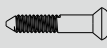
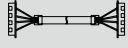
## Introduction to settings menu

Menu	Setting describe
WLAN Setting	To enter the Wi-Fi setting state.
Date & Time	When the wired controller is connected to the network, under the "Date&Time" setting, enable "Auto Set Date & Time" to update the time automatically; or disable "Auto Set Date & Time" so that you can set the time by yourself.
Display	To set screen auto-off time, screen off display, and brightness.
Energy Saving Setting	TEMP. Unit: to set the temperature range; Temp.reset: to set the time required to return to the preset temperature after startup; Auto shut down: to set the time from startup to automatic shutdown.
Filter Reset	To reset the filter after it is cleaned
Zone Settings	Set by professionals.
Install Settings	Set by professionals.
Update& Reset	Version and updates.

# Installation of Wired Controller

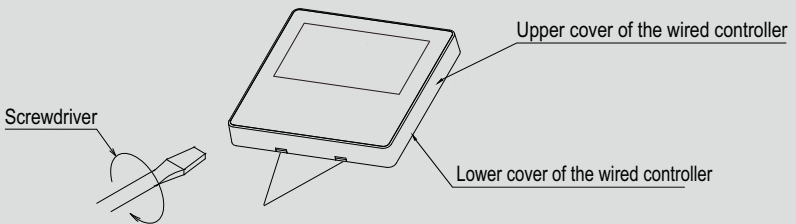
## Checking accessories

Check the following accessories are included with the unit before installation :

Installation and operating manual	Screw	Wood Screw	Connecting cable
 ( 1pc )	 ( 2pcs )	 ( 2pcs )	 ( 1pc )

## How to install

1. Selecting the Installation Location.  
Please select the installation location according to **safety precautions**.
2. Removing the upper cover of the wired controller.



Insert the slotted screwdriver in the slots,  
and rotate gently to remove the upper cover.

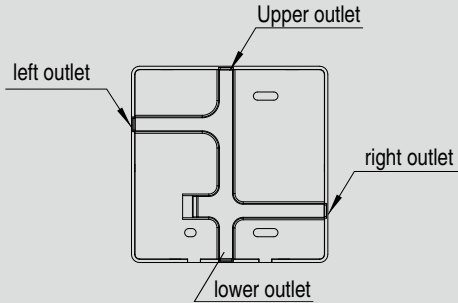
**Note:**

Control board of the wired controller is placed on upper cover.  
Please protect it from being scratched during removal and installation!

# Installation of Wired Controller

## 3. Passing the wired controller cable out of the lower cover.

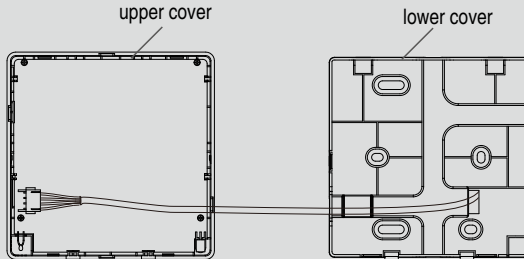
There are four ways to pass the wired controller cord out, please select according to actual situation.



## 4. Wiring

Connect one end of the attached controlling cable with upper cover terminal as the figure below, And the other end to the indoor unit control board.

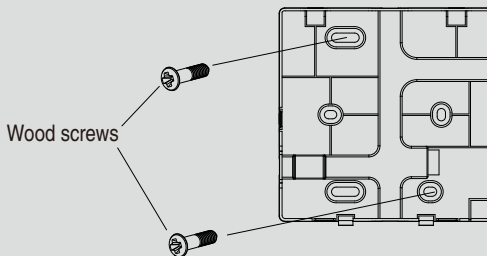
For details of the specific wiring terminals, please refer to wiring diagram of the indoor unit.



## 5. Lower cover fixing

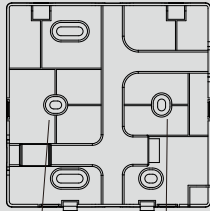
### ① For Direct Installation on the Wall

Please fix lower cover with wood screws (2pcs) in accessories.



# Installation of Wired Controller

- ② For Installation on the Switch Box  
Please fix lower cover with screws (2pcs) in accessories.

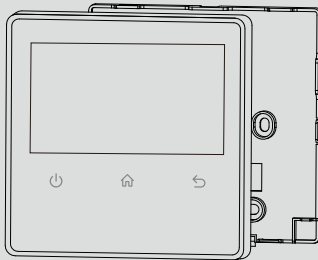


Screws

(Break through the reserved screw holes on the lower cover)

## 6. Well mount the upper cover

Align the upper cover with the hasp of lower cover of the wired controller, and then press the upper cover onto the lower cover. After installation, tear off protective sticker attached on the display of the wired controller.



# Installation of Wired Controller

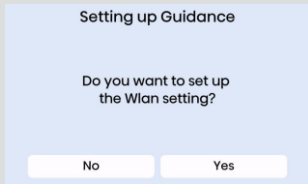
## Installer Settings

The installer settings introduced in this chapter should be operated by professionals, and the operation password can be found in the product technical service manual.

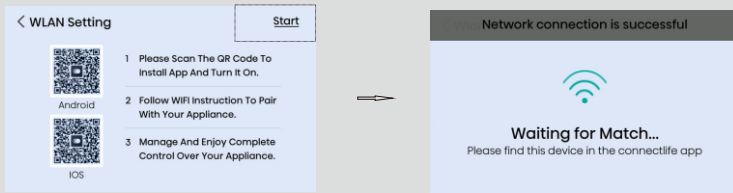
### First-use guide

When Powering on and turning on the wired controller for the first time, follow the guide to make the following settings:

- 1 When the wired controller is turned on, the WLAN matching guide page will be popped up automatically.

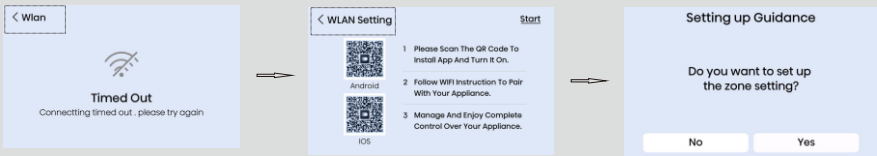


### 2 WLAN matching



### NOTE:

If the WLAN matching fails, it will return to the previous WLAN setting page. And if you continue to return to the previous level page, zone settings guide page will be popped up.

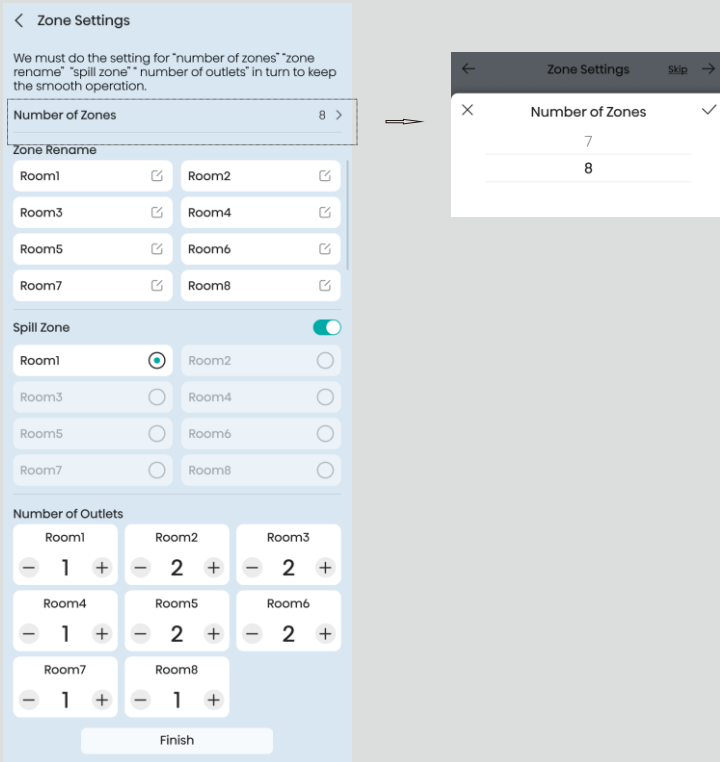


# Installation of Wired Controller

## 3 Zone Settings (If no zone control damper is equipped, this step will be automatically skipped.)

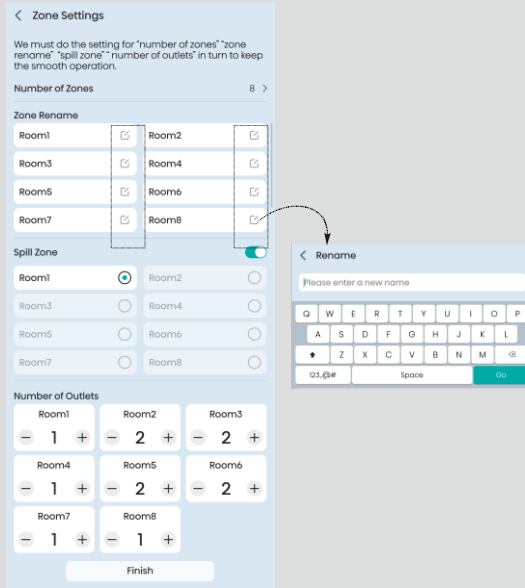
### (1) Setting of number of zones

The number of zones must be the same with the actual zones' quantity at the site. If this is wrong ,the system may not work properly.



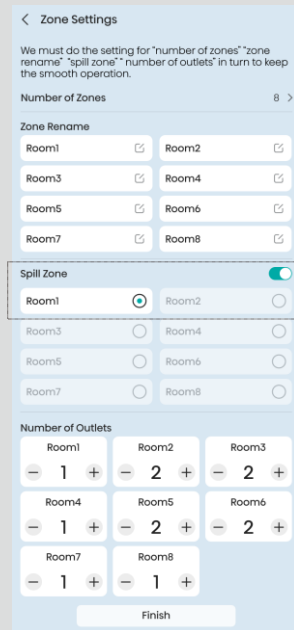
# Installation of Wired Controller

## (2) Zone renaming



## (3) Setting of default spill zone

Choose one spill zone unless there is a permanent open zone used as spill zone. Otherwise there will be no spill zone when all zones are closed and damage maybe caused by high pressure building up inside ducts if air conditioner is running.





# Installation of Wired Controller

- (4) Set the number of outlets corresponding to each damper according to the actual situation. Different air outlet size represents different coefficient, 8 inch represents 0.6, 10 inch represents 1.0, 12 inch represent 1.4, below is the size & coefficient chart. We need to add each air outlet coefficient together and input the total air outlet coefficient into wired controller, we need to follow “half adjust” rules to put air outlet size coefficient.
- Example: When zone 1 connects three 8 inch outlets, the total outlets coefficient for zone 1 is  $3 * 0.6 = 1.8$ , installer needs to put 2 in zone 1 outlet. The setting is for the purpose of automatic airflow adjustment when some zones are closed. The setting is for the purpose of spill zone opening degree calculation.

Air outlet size (inch)	Air outlet coefficient
8	0.6
10	1
12	1.4
14	2
16	2.6
18	3.2

**NOTE:**

Wrong air outlet coefficient input maybe bring damage by high pressure building up inside air conditioner stops in operation.

< Zone Settings

We must do the setting for "number of zones" "zone rename" "spill zone" "number of outlets" in turn to keep the smooth operation.

Number of Zones 8 >

Zone Rename

Room1 <span style="float: right;">✎</span>	Room2 <span style="float: right;">✎</span>
Room3 <span style="float: right;">✎</span>	Room4 <span style="float: right;">✎</span>
Room5 <span style="float: right;">✎</span>	Room6 <span style="float: right;">✎</span>
Room7 <span style="float: right;">✎</span>	Room8 <span style="float: right;">✎</span>

Spill Zone

Room1 <input checked="" type="radio"/>	Room2 <input type="radio"/>
Room3 <input type="radio"/>	Room4 <input type="radio"/>
Room5 <input type="radio"/>	Room6 <input type="radio"/>
Room7 <input type="radio"/>	Room8 <input type="radio"/>

Number of Outlets

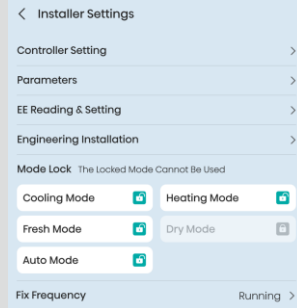
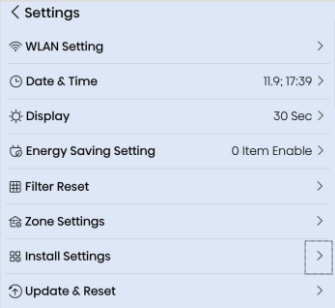
Room1 - 1 +	Room2 - 2 +	Room3 - 2 +
Room4 - 1 +	Room5 - 2 +	Room6 - 2 +
Room7 - 1 +	Room8 - 1 +	

Finish

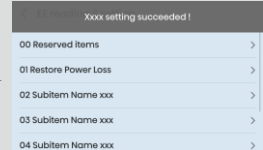
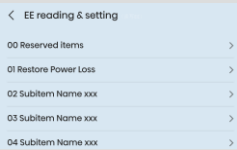
# Installation of Wired Controller

## Install settings

- 1 Enter the "Settings" menu and then select the "Install Settings"
- 2 Select the setting item and enter the corresponding setting interface



## EE Reading & Setting



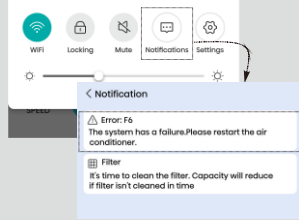
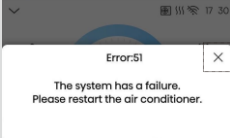
The EE reading & setting parameters is shown as follows:

Parameter Code	Parameter Description	Parameter Value & Representation		NOTE
		Data Type	Representation (Function Code)	
4	Ratio of ambient temperature sensed by indoor temperature sensor (cooling mode)	Integer	0~10 valid, more than 10 default is 10. 0:0%; 1:10%;...;10:100%	0: entirely use temperature sensed by wired controller; 10: entirely use temperature sensed by indoor unit
5	Filter clean indication	Integer	0 : Cancel Filter Clean prompt function; 1 : Set Filter Clean prompt function; others : invalid	
6	Filter clean time set	Integer	0~32, more than 32 default is 32*1000h	
10	Static Pressure Set	Integer	1~240, function code= static pressure more than the limit static pressure default the limit static pressure, Default is 0 (default static pressure, related to models)	Duct type (DC motor)
12	Ratio of temperature sensed by indoor temperature sensor (heating mode)	Integer	0~10 valid, more than 10 default is 10 0: 0%; 1: 10%; ...; 10: 100%	0-entirely use temperature sensed by wired controller; 10-entirely use temperature sensed by indoor unit.
13	Temperature adjustment-cooling	Character	-10~10°C (single character with symbol)	Temperature displayed on wired controller
14	Temperature adjustment-heating	Character	-10~10°C (single character with symbol)	Temperature displayed on wired controller

# Installation of Wired Controller

## Fault and After-sales Service

- 1 When the system has a failure, an error prompt will pop up on the screen. Close the pop-up window.
- 2 Tap on the "Notifications" to query the error code



### NOTE:

- When an error occurs, please contact local after-sales service personnel for handling;
- The error code table is detailed in the product technical service manual.



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