



Installation and Operation Manual

Wired Controller

Read this manual carefully before using the product, and keep it handy for future reference.

Contents

Operation Instructions

Daily Use	1
Function Introduction	2
Fault Prompt	48
Help Center	49

Installation Instructions

Installation Precautions	51
Installation Accessories	52
Installation Method	53
Engineering Settings	57
List of Hazardous Substances	70

Operation Instructions

Daily Use



Function Introduction

- 1. Power on/off** Tap the " " icon to turn the unit on or off.
- 2. Mode** Tap the " " icon to open the mode setting page, where you can set the mode.
- 3. Fan speed** Tap the " " icon to open the fan speed setting page, where you can set the fan speed.
- 4. Swing** Tap the " " icon to open the swing setting page, where you can set the swing.
- 5. Quick function** Tap the " " icon to open the quick function setting page, where you can set quick functions.

2 BASIC PARAMETERS

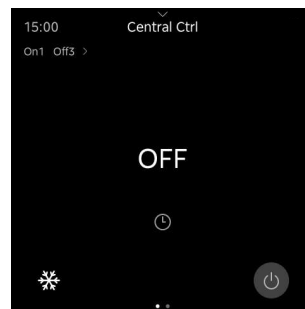
Items	Description
Rated voltage	DC 18 V
Wiring size	RVVP-0.75mm ² × 2
Operating environment	-5 °C ~ 43 °C
Humidity	≤ RH90%

Icon description

Icon	Display Description	Icon	Display Description
	On/Off		Self-cleaning
	Cooling mode		Auxiliary heat source
	Heating mode		Vertical swing
	Dry mode		Horizontal swing
	Fan mode		Auto
	Auto mode		Timer
ETA	ETA		3D surround
	Sleep		Strong
	Silent		Comfort
	Disinfection		Room-wide circulation

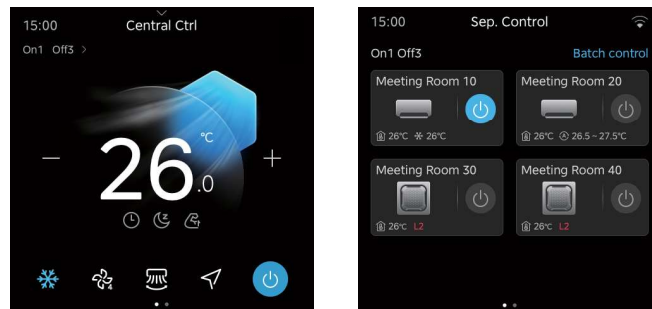
Icon	Display Description	Icon	Display Description
	Child lock		Help
	Backup		Defrosting
	Forest breeze		

On/Off



On the home page, tap the  icon to power on or off the unit. When the unit is powered off, the home page displays "OFF".

Separate control of units



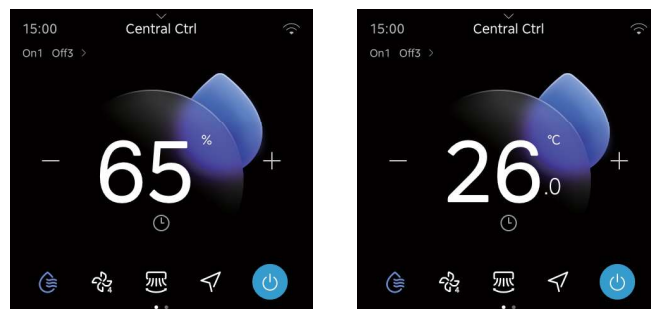
When the unit is on, tap the icon **On1 Off3 >** in the upper-left corner or swipe left on the screen to switch to the Sep. Control page. On this page, you can adjust power, mode, temperature, and fan speed settings for an individual IDU, or apply one-touch operations such as cooling, heating, or power off to multiple IDUs.

Temperature adjustment



On the home page, tap the "-" or "+" icon to adjust the set temperature.

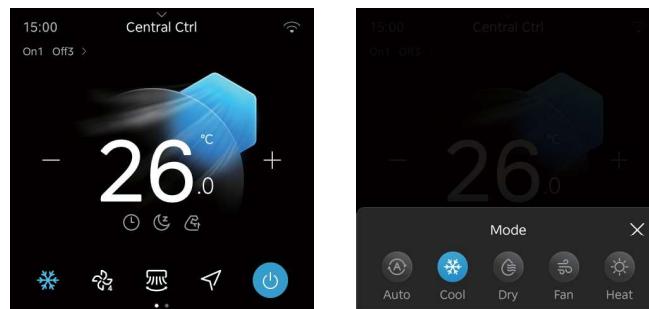
Humidity adjustment



In dry mode, tap the "-" or "+" icon to adjust the set temperature and humidity.

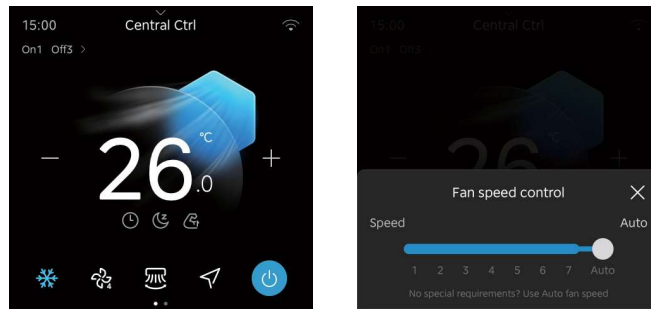
Note: If no humidity sensor is installed, tapping the "-" or "+" icon adjusts the set temperature. If a humidity sensor is installed, tapping the "-" or "+" icon adjusts the set humidity.

Mode



On the home page, tap the mode icon to open the mode setting page. On this page, tap the desired mode icon to enable the corresponding mode. Tap "X" to exit the mode setting page.

Fan speed

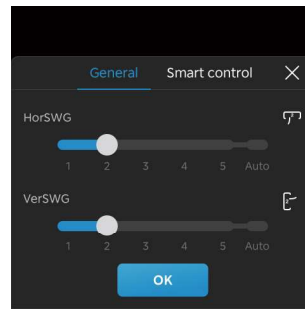


On the home page, tap the fan speed icon to open the fan speed setting page. On this page, drag the fan speed slider to select the desired fan level. Tap "X" to exit the fan speed setting page.

CAUTION

- Depending on IDU models, fan speed can be set to 3 or 7 levels.
- With efficiency ensured, the air conditioner may adjust the fan speed depending on the indoor temperature, leading to a difference between the real-time fan speed and the set one or causing the fan to stop. This is normal.
- After the fan speed is set, it takes time for the air conditioner to respond. It is normal if the air conditioner does not respond to the setting immediately.

Swing

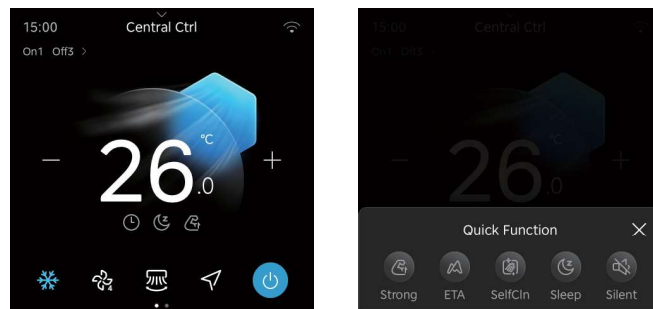


On the home page, tap the swing icon to open the swing setting page. On the swing setting page, select the desired swing angle or smart control mode, and then tap "OK". Tap "X" to exit the swing setting page.

CAUTION

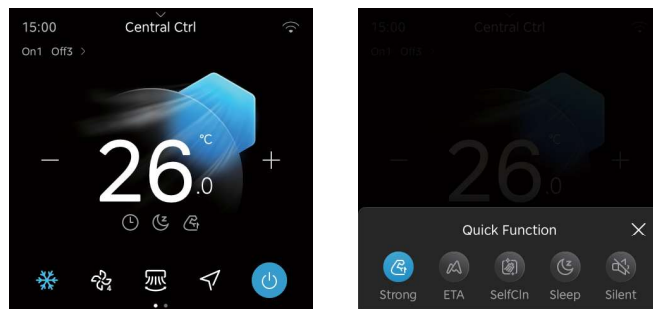
- Applicable to IDUs with swing feature.
- When the unit is closed, the wired controller automatically shuts louvers of the air outlet panels.

Quick function



On the home page, tap the quick function icon to open the quick function setting page. Tap the desired quick function to enable it. Tap "X" to exit the quick function setting page.

Strong function

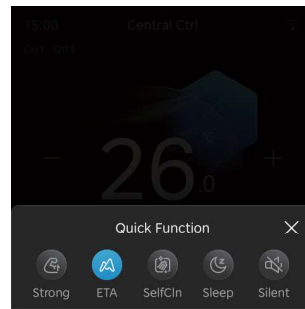


Tap the " " icon to open the Quick Function page. Tap the "Strong" icon to enable or disable this function.

⚠ CAUTION

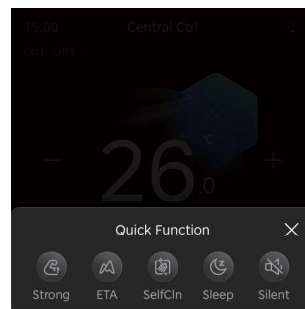
- Changing the mode, adjusting the fan speed, turning off the unit, experiencing a fault, or running for 30 minutes will automatically exit the Strong function. Strong operation is only available for cooling or heating mode.

ETA



Tap the "📍" icon to open the Quick Function page. Tap the "ETA" icon to enable or disable this function.

Self-cleaning



Tap the " " icon to open the Quick Function page. Tap the "SelfCln" icon to enable or disable this function.

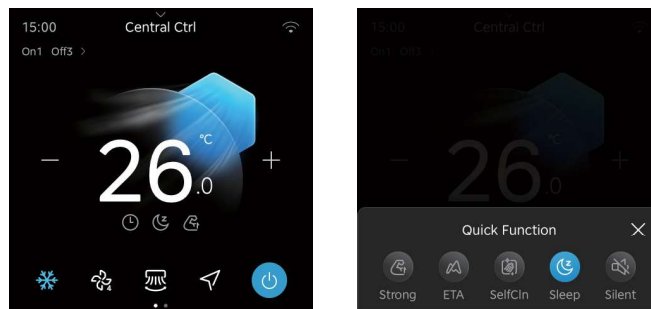
The self-cleaning process takes approximately 50 minutes and falls into four steps:

Pretreatment ➡ Icing ➡ De-icing and Rinsing ➡ Drying

 CAUTION

- The self-cleaning mode will exit when the process is completed, when the unit is powered off manually, or when the ODU exits self-cleaning. During the self-cleaning process, tap the "Stop" icon to trigger the prompt for early termination. Tap "OK" to stop the self-cleaning process.
- Some models do not have self-cleaning function. For details, please refer to the manual of IDU.
- When self-cleaning is enabled, all IDUs (sharing the same ODU) start the process of self-cleaning.
- During the process of self-cleaning, the IDUs may blow out cold or hot air.

Sleep mode

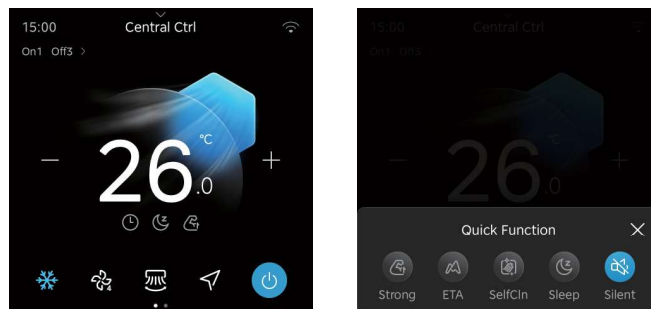


Tap the " " icon to open the Quick Function page. Tap the "Sleep" icon to enable or disable this function.

⚠ CAUTION

- When "Sleep" is enabled, a sleep icon will appear on the home page.
- The sleep function is only applicable to cooling and heating modes and unavailable for auto, dry and fan modes.
- With sleep function enabled, it will be cancelled after manual power-off or mode switching. You have to re-enable this function.

Silent mode

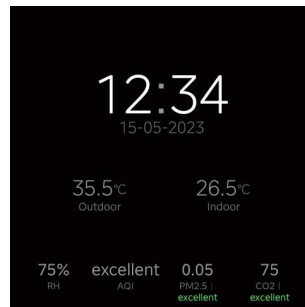


Tap the "🔊" icon to open the Quick Function page. Tap the "Silent" icon to enable or disable this function.

⚠ CAUTION

- When "Silent" is enabled, a silent icon will appear on the home page.
- The silent function is only applicable to cooling and heating and unavailable for auto, dry, and fan scenarios.
- With silent function enabled, it will be cancelled after manual power-off or mode switching. You have to re-enable this function.

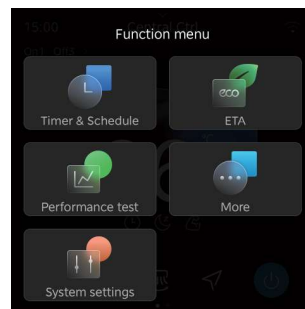
AQI



CAUTION

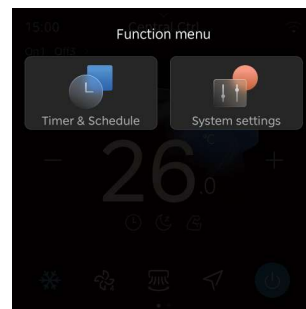
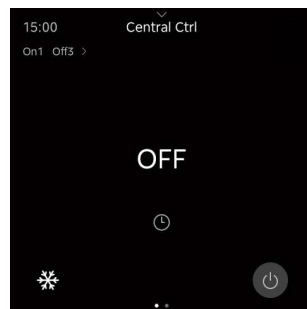
- The air quality information is displayed on the screensaver page. When the wired controller enters the screensaver interface, the air quality data along with the date and time are displayed.
- The air quality function requires adequate configuration of the IDU.

Function menu



CAUTION

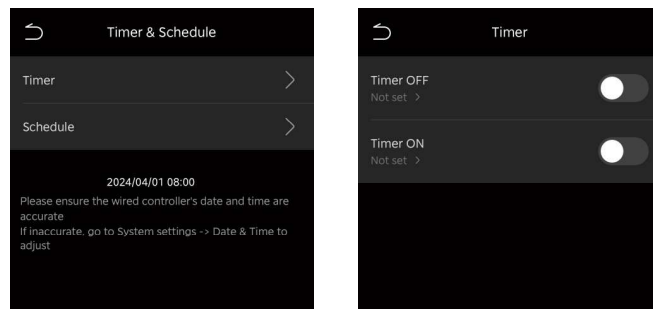
- In the powered-on state, swipe down on the screen to open the function menu. From this menu, you can perform the following settings: ETA, Timer & Schedule, Performance test, System settings, and More.



 CAUTION

- In the powered-off state, swipe down on the screen to open the function menu. From this menu, you can set timers and schedules, as well as adjust system settings.

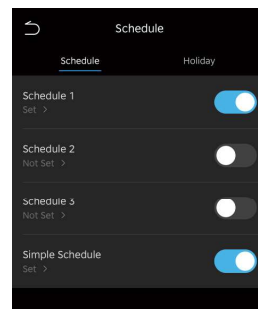
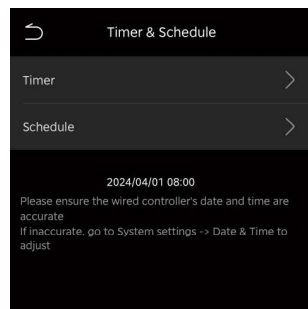
Timer



Function entry: Function menu > Timer & Schedule > Timer.

Timer on/off setting: Tap Timer ON/OFF to enter the timer setting page. On this page, select the desired time for timer on or timer off (default is 00:00, with hours ranging from 0 to 23 and minutes from 0 to 59), then tap "OK" to save the settings. The system will return to the Timer ON/OFF page.

Schedule



Function entry: Function menu > Timer & Schedule > Schedule.

CAUTION

- Once one or more weekly timers are enabled, the air conditioner will execute the command according to the set schedule. Weekly timers include regular timers and simple timers, among which regular timers are provided with three schedule templates.

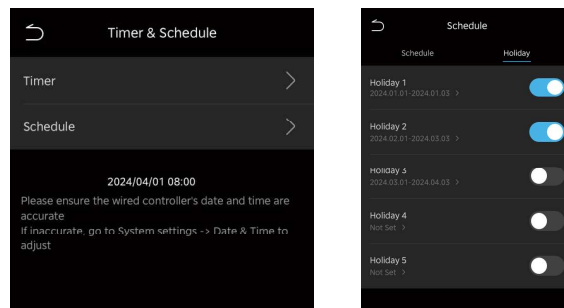
A regular schedule requires setting the execution cycle, on/off status, mode, temperature, and fan speed. A simple schedule only requires setting the execution cycle and on/off status. Steps of setting a schedule (using Schedule 1 as an example):

1. Tap Schedule 1 to enter its detailed setting page.
2. Select the time cycle for Schedule 1. Available options: once (applies only once for this schedule), everyday, weekdays, weekends, and custom. Everyday: Monday to Sunday are all selected; individual days cannot be deselected. Weekdays: Monday to Friday are selected by default; other days are not editable. Weekends: Saturday and Sunday are selected by default; other days are not editable. Custom: Any combination of days from Monday to Sunday can be selected.
3. Set the specific commands for Schedule 1, including off/on status, off time, mode, set temperature, fan speed, and mode start times.
4. After selecting the time cycle and setting the commands, tap "OK" to save Schedule 1 settings.
5. Enable or disable Schedule 1 as needed.

 CAUTION

- There should not be more than one weekly timer command at the same time. Otherwise, a conflict may occur.
- Complete the date setting before the first weekly timer setting.

Holiday



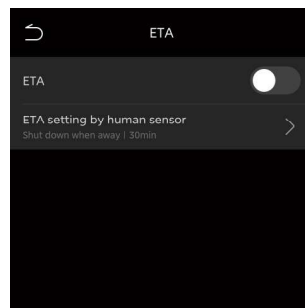
Function entry: Function menu > Timer & Schedule > Schedule > Holiday.

Holiday setting: Select one or more days of the year as holidays. During the holiday period, any previously set weekly timer commands will not be executed.

Steps:

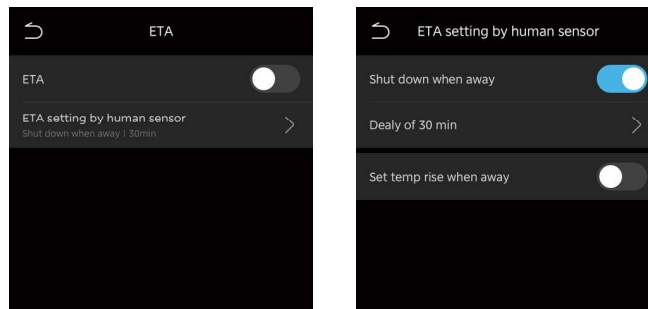
1. Tap any holiday option to enter the holiday setting page. Set the holiday operation status and the start and end dates.
2. Switch the operation status to "On" and set the start and end dates.
3. After setting the dates, tap "OK" to save the settings. A pop-up will inform you of the effect of holiday timer activation. Tap "Got it" or anywhere on the screen to close the pop-up and return to the weekly timer list page.

ETA



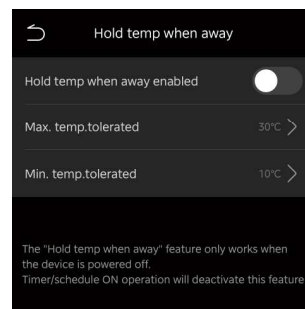
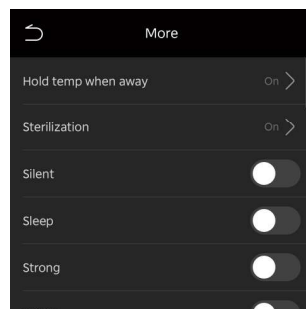
On the ETA page, there are: ETA and ETA setting by human sensor.
Tap "ETA" to enable or disable this function.
The ETA setting by human sensor function requires adequate configuration of the IDU.

ETA setting by human sensor



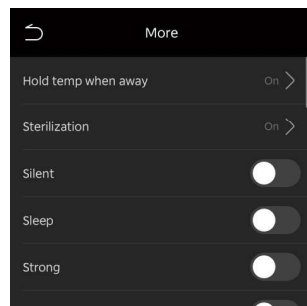
Function entry: Function menu > ETA > ETA setting by human sensor.
On the ETA setting by human sensor page, there are two options: Shut down when away and Set temp rise when away. Shut down when away: Tap "Shut down when away". Set the power-off delay. After completing the setting, tap "OK" and return to the ETA setting by human sensor page.
Set temp rise when away: Tap "Set temp rise when away". Set the time interval for temperature adjustment and the maximum adjustment value for the set temperature when no one is present.

Hold temp when away



Function entry: Function menu > More > Hold temp when away.
Hold temp when away setting: Hold temp when away switch and
hold temp setting

Sterilization



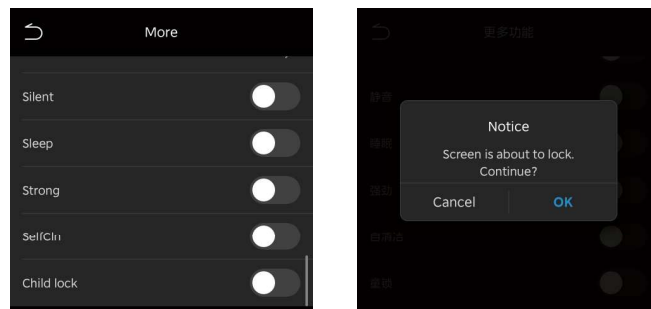
Function entry: Function menu > More > Sterilization.

When "Sterilization" is enabled, a sterilization icon will appear on the home page.

CAUTION

- It works only with the IDU with sterilization feature.
- The disinfection module stops when the swing function is enabled, and does not resume operation until the swing function is disabled.

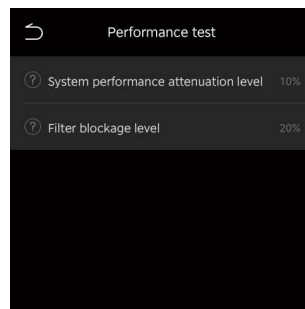
Child lock



Function entry: Function menu > More > Child lock.

To unlock: press and hold the unlock button. A 3-second countdown will appear on the screen. When the countdown reaches zero, the wired controller will be unlocked.

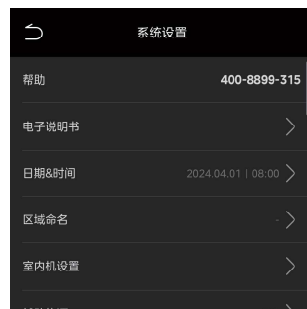
Performance test



Function entry: Function menu > Performance test.

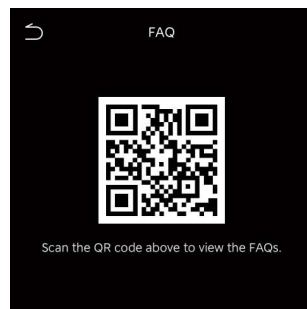
On the performance test page, the following options are available:
System performance attenuation level and Filter blockage level.

Help



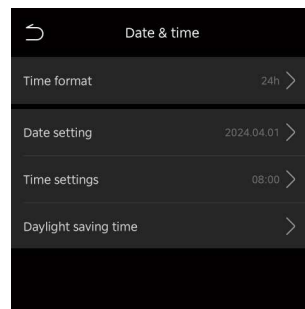
Function entry: Function menu > System Setting > Help.
The Help option displays the customer service hotline (400-8899-315). You can call it for inquiries or fault reports.

FAQ



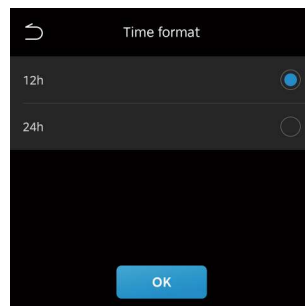
Function entry: Function menu > System Setting > FAQ.
The FAQ page displays a QR code. Scan it with WeChat to access the FAQ.

Date & time



Function entry: Function menu > System Setting > Date & time.
On the date & time page, the following options are available: Time format, Date setting, and Time settings.

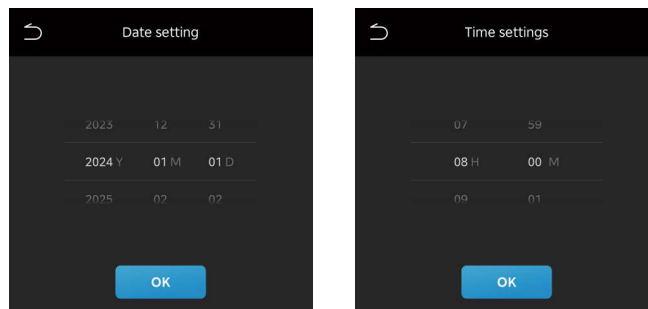
Time format



Function entry: Function menu > System Setting > Date & time > Time format.

Time format setting procedure: Select either 12h or 24h and tap "OK".

Date/time setting

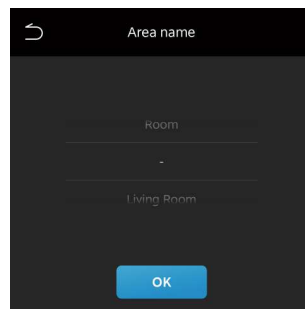


Function entry for date setting: Function menu > System Setting > Date & time > Date setting.

Function entry for time setting: Function menu > System Setting > Date & time > Time settings.

Date/time setting procedure: Enter the date and time setting pages, adjust the date or time, and then tap "OK".

Area name

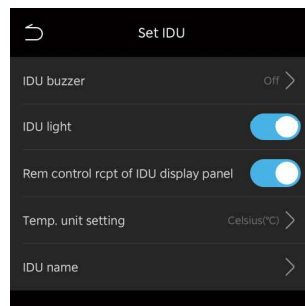


Function entry: Function menu > System Setting > Area name.

On the area name page, select the desired option as needed and tap "OK" to save and return to the previous page.

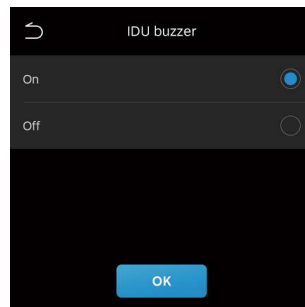
Once an area is named, it will be used as the default value for the location field in IDU naming. You can adjust the location field when naming an IDU. If multiple IDUs have different location values, the area name will not be displayed at the top of the wired controller home screen.

Set IDU



Function entry: Function menu > System Setting > Set IDU.
On the IDU setting page, the following options are available: IDU buzzer, IDU light, Rem control rcpt of IDU display panel, and IDU name.

IDU buzzer:



Tap "IDU buzzer" in "Set IDU" to access the buzzer setting page.
Tap the desired option and then tap "OK".

IDU light:

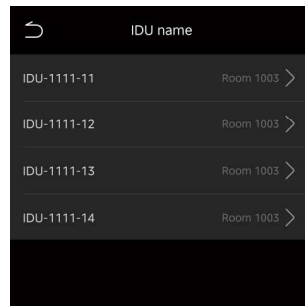
Tap "IDU light" in "Set IDU" to enable or disable this function as needed.

 CAUTION

- IDU light function is not applicable to IDUs that do not support this feature.

Remote control receiving function of IDU display panel:
Tap "Rem control rcpt of IDU display panel" in "Set IDU" to enable or
disable this function as needed.

IDU naming:

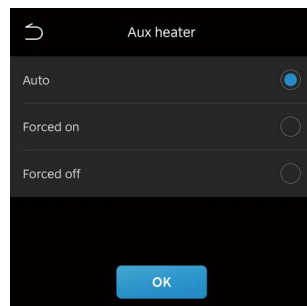


Tap "IDU name" in "Set IDU" to access the IDU name page. You can set the IDU name here. The page displays a list of IDUs connected to the current wired controller. Select an IDU to set its name. IDU naming can include the location, orientation, and number.

 CAUTION

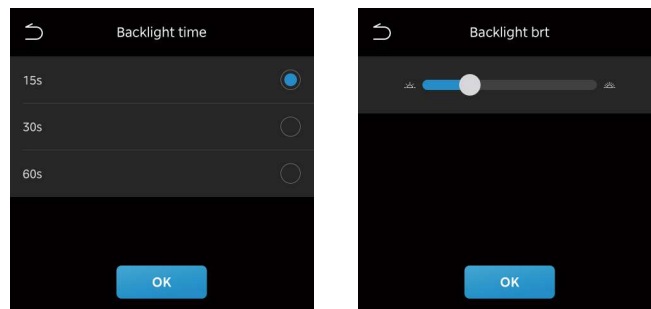
- When an IDU name already exists, setting the same name will trigger a dialog box. Tap "OK" to close the dialog box and return to the IDU naming page. After resetting, tap "OK" to save.

Auxiliary heater



Function entry: Function menu > System Setting > Aux heater.
On the auxiliary heater setting interface, select the desired option and tap "OK".

Backlight time/brightness



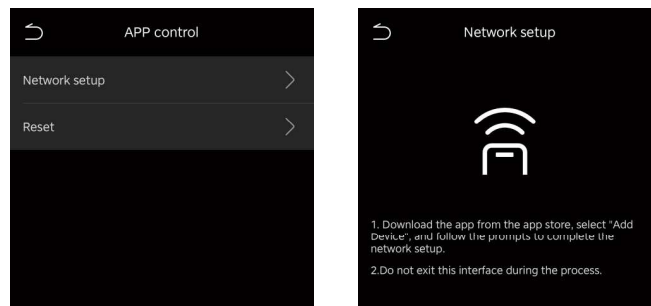
Function entry for backlight time: Function menu > System Setting > Backlight time.

Function entry for backlight brightness: Function menu > System Setting > Backlight brt.

Backlight time setting: On the backlight time setting page, select the desired option and tap "OK".

Backlight brightness setting: On the backlight brightness setting page, select the desired brightness and tap "OK".

APP control



Function entry: Function menu > System Setting > APP control. Tap "APP control" in "System Setting" to access the APP control list, which includes Network setup and Reset.

Tap "Network setup" in "APP control" to enable the APP control mode by default. Tap "Reset" in "APP control" to access the reset prompt page. Tap "OK" to start the reset process for the APP control function. Tap "Cancel" to exit the reset process.

Smart home appliances networking guidelines

1.Download the SmartHome App

On an app market (Google Play Store, Apple App Store), search for **SmartHome®** and find the SmartHome app. Download and install it on your phone. You can also download the app by scanning the QR code below.



2.Register and log in

Open the SmartHome app, and create a new account to start (you can also register through a third-party account). If you already have an existing account, use the account to log in.



3.Connect your devices to SmartHome

- ❶ Please make sure your mobile phone is connected to a wireless network. If it is not, go to Settings and enable wireless networks and Bluetooth.
- ❷ Please power on your devices.
- ❸ Open SmartHome app on your phone.
- ❹ If a message of "Smart devices discovered nearby" appears, click to add.



- 5 If no message appears, select "+" on the page and select your device in the list of nearby devices available. If your device is not listed, please add your device manually by the device category and device model.



- 6 Connect your device to the wireless network according to instructions on app. If the connection fails, please follow the instructions provided by the app to continue with the operation.



NOTE

Notes on networking :

- When networking the product, please make sure that the mobile phone is as close as possible to the product.
- According to the App tips, if the product only supports 2.4GHZ WiFi communication, please note that the 2.4GHz network is selected for connection.
- Midea recommends WiFi router SSID names contain only alphanumeric values. If special characters, punctuation marks or spaces are used it might prevent the SSID name from showing up in the available networks to join in the App. Try it and if the SSID shows up then it is ok to use, otherwise log into the router and change the SSID name.
- A large number of devices on the WiFi router can affect network stability, there is no way that Midea can advise a specific number limitation as this depends on router quality and many other factors.
- If the router or WiFi name and WiFi password change, please repeat the above process to reconnect to the network.
- As the product technology is updated, the content of SmartHome may change, and the actual display in SmartHome App shall prevail.

WARNING

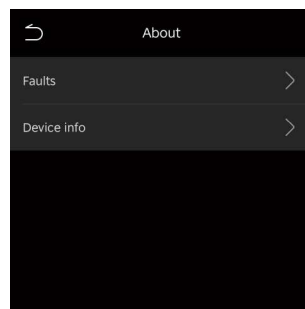
Warning and troubleshooting for networking failures:

- When the product is connected to the network, please make sure that the phone is as close as possible to the product.
- We only support 2.4GHz band routers at present.
- Special characters (punctuation, spaces, etc.) are not recommended as part of the WLAN name.
- It is recommended that you connect no more than 10 devices to a single router lest home appliances are affected by weak or unstable network signal.
- If the password of the router or WLAN is changed, clear all settings and reset the appliance.
- The contents of App might change in version updates and actual operation shall prevail.

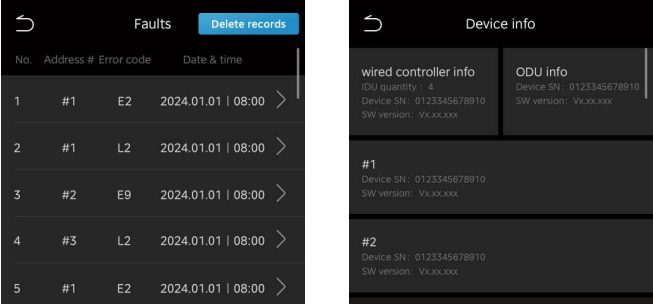
WiFi information

WiFi transmit frequency range: 2.400~2.4835 GHz
EIRP not more than 20dbm

About



Function entry: Function menu > System Setting > About.
Tap "About" in "System Setting" to access the About function list, which includes Faults and Device info.



Tap "Faults" to view fault history. Tap any error code to view the fault record details, including the error code, IDU address, after-sales service phone number, and after-sales service QR code. Tap "Device info" to view the wired controller information, ODU information, IDU SN, and software version.

Fault Prompt

Fault List

C51 communication fault between wired controller and IDU
--

Fault Display



1. In case any IDU or ODU fails, the wired controller displays the fault code. In case a communication fault occurs between the wired controller and any of the IDUs, the wired controller reports "C51".
2. The wired controller can record up to 10 faults, each of which includes the address of the faulty device, the fault code, and the time when the fault occurs.

Help Center

- [The air conditioner is not working, but prompts that neither cooling nor heating option can be set. What should I do?](#)
The set mode is inconsistent with the operating mode of ODU. Change the set mode to avoid conflict with the ODU.
- [The word "Filter" is displayed on the operation panel. What should I do?](#)
Contact the after-sales service to clean or replace the filter/heat exchanger. Midea after-sales service hotline: 4008899315.
- [What should I do if the air conditioner is not running as strongly as it should be? What are the possible causes?](#)
Check in the following sequence:
 1. Whether the set mode is cooling or heating;
 2. Whether the louvers of the air outlet face down;
 3. Whether there is any barrier 20 cm around the IDU and whether the IDU is clogged and needs to be cleaned.
 4. If the problem persists, please dial Midea after-sales service hotline at 4008899315.
- [How can I adjust the temperature on my air conditioner? What is the ideal room temperature for human comfort?](#)
The set temperature on air conditioner should be different from the room temperature.
The most comfortable temperature for summer is between 24°C and 26°C, and that for winter is between 18°C and 20°C. You may set the temperature depend on actual situations.
- [Why does the air outlet of my air conditioner drip?](#)
The room is filled with a great amount of moisture. Please close the doors and windows.

- **Why does the ODU of my air conditioner drip?**
 1. During cooling in summer, condensation water generated by the unit is discharged to the outside through the IDU drainage pipe. If the drainage pipe is close to the ODU, the condensation water may be mistaken for the water leaked from the ODU. The ODU does not drain any water during cooling.
 2. During heating in winter, the ODU may be frosted. Then, the unit will defrost and the defrosted water will flow from the drainage outlet at the bottom of the ODU. This is a normal phenomenon instead of a fault of the air conditioner. To deal with this, you may contact the after-sales personnel or the installer to install an ODU drainage pipe.
- **How should I use a wired controller? Please provide simple operation instructions.**
Please scan the QR code on the user manual for the operation instructions.
- **Why does my air conditioner fail to start after it is powered on?**
In winter, it takes some time for your air conditioner to warm up. Please wait a few minutes.
- **Why does my air conditioner keep operating after it is powered off?**
After your air conditioner is powered off, there is some residual moisture inside the conditioner. It operates for a while to eliminate the moisture, so as to reduce the possibility of mold.
- **Why are the air conditioner functions non-adjustable?**
If the display panel presents a centralized controller icon, the air conditioner is locked. In this case, please contact the air conditioner system administrator.

Installation Instructions

Installation Precautions

- To ensure correct installation, read the "Installation Instructions" section of this manual.
- The content provided here covers warnings, which contain important safety information and must be followed.

WARNING

- The module must be installed by qualified technicians designated by the local dealer or service agent. Do not install it by yourself.
- Do not knock, throw, or randomly disassemble the unit.
- The wiring must be compatible with the wired controller current.
- Use specified cables. Do not apply external force to the wiring terminals.
- The wired controller line is a low-voltage circuit, which cannot come into direct contact with any high-voltage line or share the same wiring tube with any high-voltage line. The minimum spacing of wiring tubes should be 300 to 500 mm.
- Do not install the wired controller in a corrosive, flammable or explosive environment or at any place with oil mist (such as a kitchen).
- Do not install the wired controller in damp places. Keep it out of direct sunlight.
- Do not install the wired controller when it is powered on.
- Please install the wired controller after painting the wall, otherwise, water, lime and sand may enter the wired controller.

Installation Accessories

Please check that you have all the following parts.

No.	Name	Quantity	Remarks
1	Wired controller	1	
2	Mounting plate	1	
3	Philips head screw, M4 × 25	2	Used to install the wired controller on the electrical box
4	Installation and Operation Manual	1	
5	Plastic support bar	2	Used to install the wired controller on the electrical box

Prepare the following parts in the field:

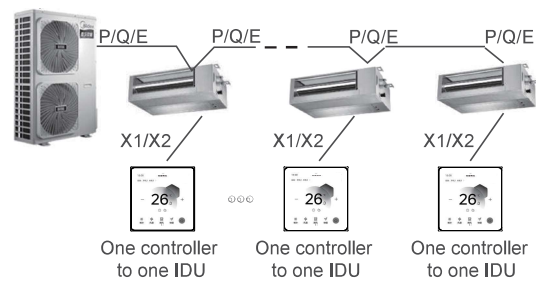
No.	Name	Quantity	Remarks
1	Electrical box	1	Electrical box of general specifications, embedded into the wall
2	2-core shielded cable	1	RVVP-0.75 mm ² × 2, embedded into the wall
3	Wiring tubes (insulation suite)	1	Embedded into the wall; maximum wiring length: 200 m
4	Big Phillips screwdriver	1	Used to install cross recessed head screws
5	Small slotted screwdriver	1	Used to remove the wired controller mounting plate

Installation Method

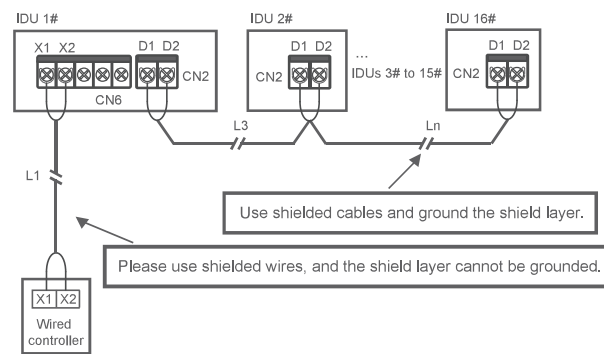
1. Wiring requirements

One-to-one

- Applicable to bi-directional communication between a wired controller and an IDU.
- One-to-one: One wired controller controls one IDU. The parameters displayed on the wired controller are updated in real time according to changes in the parameters of the IDU.
- The permissible longest wiring length of the system is 200 m.
- Communication cables between an IDU and a wired controller (X1, X2) may be connected in reverse order.

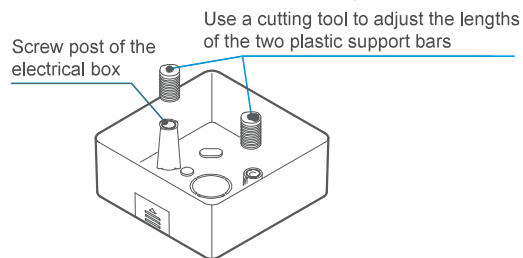


One-to-many (only available for V8 IDU)

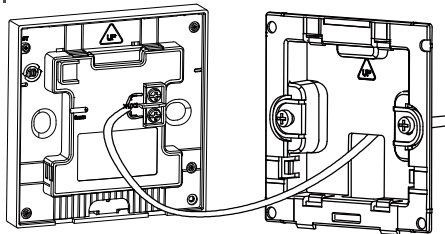


Set one wired controller to control more than one IDU. After the communication between the wired controller and IDUs lasts 3 minutes and 30 seconds, the control can be implemented.

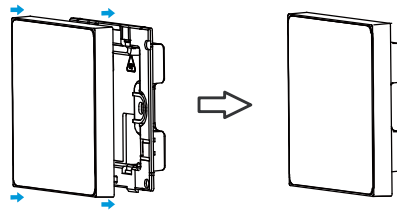
2. Adjust the lengths of the two plastic support bars in the accessory package. Ensure that the mounting plate stays level with the wall when installed on the screw post of electrical box.



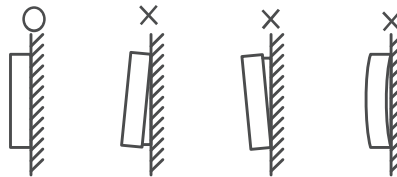
3. The mounting plate is secured to the electrical box with screws, and the outgoing cable is connected to the terminals of the wired controller.



4. Buckle the wired controller and the mounting plate as shown in the following figure.



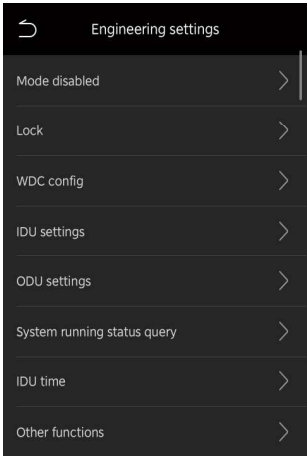
Ensure it is properly secured, as shown in the figure below.



⚠ WARNING

- Make sure that no cables are clamped when buckling the wired controller and mounting plate.
- The wired controller and mounting plate should be installed correctly. Otherwise, the wired controller may get loose and fall apart.

Engineering Settings



Engineering settings page description:

Parameters can be set while the unit is powered on or powered off.

On the system setting page, rapidly tap the "Help" option 15 times within 30s to access the engineering settings page.

On the engineering settings page, tap the back icon to return to the previous level until exiting the engineering settings page, or exit automatically after 60 seconds of inactivity. If there is no operation for 60s, the screensaver will activate.

Once you exit the engineering settings page, it will be hidden. To re-enter, you must tap the "Help" option 15 times consecutively within 30s.

Engineering settings list is as follows:

Menu	Submenu	Setting
Engineering settings	Mode disabled	Auto, Cool, Heat, Dry, Fan
	Lock	Set temperature, fan speed
	WDC config	For details, see the "WDC config"
	IDU settings	For details, see the "IDU settings"
	ODU settings	For details, see the "ODU settings"
	System running status query	Fault records, spot check information of IDU and ODU, IDU SN code, wired controller information, wired controller software version
	IDU time	IDU operating duration
	Other functions	Factory reset, self-check, customized function, OTA

I. WDC Configuration

Menu	Submenu	Third-level menu	Setting
Engineering settings	WDC config	Power failure memory	00: Off (default for domestic sales); 01: On
		Time to remind users to clean the filter	00: No filter cleaning reminder; 01: 500 h (default for domestic sales); 02: 1000 h; 03: 2500 h; 04: 5000 h
		Remote control/receiving of WDC	00: Not receive; 01: Receive (default)
		Ambient temperature/humidity display	00: Off; 01: On (default)
		LED indicator of wired controller	00: Off; 01: On (default)
		Follow Me temperature calibration	Celsius: -5 to 5, -1 by default, precision 0.5 Fahrenheit: -9 to 9, -2 by default, precision 1
		Temperature display precision setting	00: 1; 01: 0.5 (default)
		Wired controller buzzer	00: Not sound; 01: Sound (default)
		T1 temperature selection	F0: T1 temperature sensor; F1: Follow Me/#IDU (IDUs connected to the system, ranging from 0 to 63) (default); F2: Second temperature sensor; F3: Ground sensor
		Set temperature range for cooling	/
		Set temperature range for heating	/
		Filter reset	00: Off (default); 01: On

II. IDU Settings

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	On-site settings	IDU static pressure	00—19/FF	V6
				00—19	V8
			IDU address query	Current address (with address), FE (without address)	V6
				One-to-one: Current address (with address), FE (without address)	V8
				One-to-many: Active IDU addresses for one-to-many system, history of IDU addresses for one-to-many system	V8
			IDU address setting	0—63	V6/V8
			IDU power failure memory	00: Not available; 01: Available (default)	V6/V8
			Constant air flow setting	00: Constant speed; 01: Constant air flow (default)	V6/V8
			High ceiling	00: 3 m (default); 01: 4 m; 02: 4.5 m	V8
			On-site air flow adjustment factor	1.0 (default); 1.1	V8
				00: 1.0 (default); 01: 1.05; 02: 1.1; 03: 1.15; 04: 0.95; 05: 0.9; 06: 0.85	V8
			Initial static pressure detection	00: Not reset (default); 01: Reset	V6/V8
			Filter ending - initial static pressure setting	00 (default); 01—19; indicating: 10 Pa (default); 20—200 Pa	V8
			One-to-more of wired controller	00: Off (default); 01: On	V8

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Auxiliary heat source/alternative heat source settings	Auxiliary heat source for IDU	00: Not available; 01: Available (default)	V6
			Set outdoor temperature for auxiliary heat source/alternative heat source to turn on	Celsius: -5 to 20, 15 by default, precision 1	V6
				Fahrenheit: 23 to 68, 59 by default, precision 1	
				Celsius: -25 to 20, 0 by default, precision 1	V8
				Fahrenheit: -13 to 68, 32 by default, precision 1	
			Indoor temperature for auxiliary heat source/alternative heat source to turn on	Celsius: 10 to 30, 24 by default, precision 1	V8
				Fahrenheit: 50 to 86, 75 by default, precision 1	
			T1 temperature difference for auxiliary heat source/alternative heat source to turn on	Celsius/Fahrenheit: 0 to 7, 3 by default, precision 1	V8
			T1 temperature difference when auxiliary heat source/alternative heat source is off	Celsius/Fahrenheit: -4 to 6, 1 by default, precision 1	V8
			Auxiliary heat source used alone	On; Off (default)	V8
			Auxiliary heat source on/off mode	00: Auto (default); 01: Forced on; 02: Forced off	V6/V8

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Mode and temperature settings	EXV opening during heating standby	00: 56; 01: 72 (default); 02: 0; FF: Main board DIP of IDU	V6
				00: 56P; 01: 72P; 02: 0; 14: Auto adjustment (default)	V8
			Heating return difference temperature	00: 1°C (default); 01: 2°C; 02: 0.5°C; 03: 1.5°C; 04: 2.5°C	V8
			Cooling return difference temperature	00: 1°C (default); 01: 2°C; 02: 0.5°C; 03: 1.5°C; 04: 2.5°C	V6/V8
			IDU cooling temperature compensation	VRF unit: 00: 0°C (default); 01: 2°C; FF: Main board DIP of IDU	V6
				Mini VRF unit: 00: 0°C (default); 01: 1°C; 02: 2°C; 03: 3°C; 04: -1°C; FF: Reserved	
				Split unit: 00: 0°C (default); 01: 1°C; 02: 2°C; 03: 3°C; FF: Reserved	
				00: 0°C (default); 01: 1°C; 02: 2°C; 03: 3°C; 04: -1°C	V8

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Mode and temperature settings	IDU heating temperature compensation	VRF unit: 00: 6°C (default); 01: 2°C; 02: 4°C; 03: 6°C; 04: 0°C; FF: Main board DIP of IDU	V6
				Mini VRF unit: 00: 6°C (default); 01: 2°C; 02: 4°C; 03: 8°C; 04: 0°C; FF: Reserved	
				Split unit: 00: 6°C (default); 01: 2°C; 02: 4°C; 03: 8°C; 04: 0°C; FF: Reserved	
				00: 6°C (default); 01: 2°C; 02: 4°C; 03: 8°C; 04: 0°C	V8
			Maximum indoor temperature drop D3 in dry mode	00: 3°C; 01: 4°C (default); 02: 5°C; 03: 6°C; 04: 7°C	V8
			Mode changeover time interval in the Auto mode	00: 15 min (default); 01: 30 min; 02: 60 min; 03: 90 min	V6/V8
			Heating and cooling temperature difference setting in auto mode	00: 0°C (default); 01: 1°C; 02: 2°C; 03: 3°C; 04: 4°C; 05: 5°C; 06: 6°C; 07: 7°C; 08: 8°C	V8

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Mode and temperature settings	IDU's anti-cold wind temperature setting in heating mode	Conventional IDU: 00: 15°C/59°F (default); 01: 20°C/68°F; 02: 24°C/75°F; 03: 26°C/79°F; FF: Main board DIP of IDU	V6
				FAPU: 00: 14°C/57°F (default); 01: 12°C/54°F; 02: 16°C/61°F; 03: 18°C/64°F; FF: Reserved	
				AHU kit (return air temperature control): 00: 15°C/59°F (default); 01: 20°C/68°F; 02: 24°C/75°F; 03: 26°C/79°F; FF: Main board DIP of IDU	
				AHU kit (supply air temperature control): 00: 14°C/57°F (default); 01: 12°C/54°F; 02: 16°C/61°F; 03: 18°C/64°F; FF: Main board DIP of IDU	
				Conventional IDU: 00: 15°C/59°F (default); 01: 20°C/68°F; 02: 24°C/75°F; 03: 26°C/79°F; 04: Anti-cold wind invalid	V8
				FAPU: 00 (default); 01; 02; 03; 04: Anti-cold wind invalid	
				AHU kit (return air temperature control): 00 (default); 01; 02; 03; 04: Anti-cold wind invalid	
				AHU kit (supply air temperature control): 00 (default); 01; 02; 03; 04: Anti-cold wind invalid	

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Fan and swing settings	Maximum automatic fan speed in cooling mode	04: Speed 4; 05: Speed 5 (default); 06: Speed 6; 07: Speed 7	V6
			Maximum automatic fan speed in heating mode	04: Speed 4; 05: Speed 5; 06: Speed 6; 07: Speed 7	V6
			Q4/Q4mini air outlet 1 setting	00: Free control (default); 01: Close	V8
			Q4/Q4mini air outlet 2 setting	00: Free control (default); 01: Close	V8
			Q4/Q4mini air outlet 3 setting	00: Free control (default); 01: Close	V8
			Q4/Q4mini air outlet 4 setting	00: Free control (default); 01: Close	V8
			IDU up/down swing	00: Not available; 01: Available (default)	V6
			IDU left/right swing	00: Not available; 01: Available (default)	V6
			Fan speed in heating standby mode	00 (default); 01; 14	V6/V8
			Fan speed in cooling standby mode	00; 01; 02; 03; 04; 05; 06; 07; 14. Values vary with the model.	V8
			Standby fan speed L1 range in dry mode	00: Fan off; 01: L1 (default); 02: L2; 03: Speed 1	V8
			Time to stop the fan of IDU (Thermal)	00: Fan on; 01: 4 min (default); 02: 8 min; 03: 12 min; 04: 16 min; FF: Main board DIP of IDU	V6
				00: Fan off; 01: 4 min (default); 02: 8 min; 03: 12 min; 04: 16 min	V8

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Remote and alarm settings	On/Off port logic via remote control	00: Remote off (closed) (default); 01: Remote off (open) Note: When powered off remotely, wired controller of V8 displays d6, while that of V6 does not display this code	V8
			Power off delay via remote control	00: No delay (default); 01: Delay 1 min; 02: Delay 2 min; 03: Delay 3 min; 04: Delay 4 min; 05: Delay 5 min; 06: Delay 10 min	V8
			Alarm port logic	00: Alarm when closed (default); 01: Alarm when open	V8
			Refrigerant leakage fault reset	00: Not reset (default); 01: Reset	V8
		Health and comfort settings	Disinfection	00: No disinfection (default); 01: Disinfection	V6/V8
			Disinfection enabling method	01: On; 02: Off (default)	V6
				00: Auto on (default); 01: Forced on; 02: Forced off	V8
			Drying time at self-cleaning	00: 10 min (default); 01: 20 min; 02: 30 min; 03: 40 min	V6/V8
			Mildew-proof fan operation duration	00: 40s (default); 01: 120s; 02: 300s; 03: 600s	V8
			Dirt proof for ceiling	00: Off (default); 01: On	V8
			Condensation proof	00: Off (default); 01: On	V8

Menu	Submenu	Third-level menu	Fourth-level menu	Details	Applicable model
Engineering settings	IDU settings	Energy saving settings	Energy rating of cooling MPC	00: Level 1 (default); 01: Level 2; 02: Level 3	V8
			Energy rating of heating MPC	00: Level 1 (default); 01: Level 2; 02: Level 3	V8
			Performance monitoring display	00: Off (default); 01: On	V8
		Special IDU settings	Fresh air dry contact 1	00: Disconnect (default); 01: Enable	V6
			Fresh air dry contact 2	00: Disconnect (default); 01: Enable	V6
			Fresh air dry contact 3	00: Disconnect (default); 01: Enable	V6
			IDU control type	FAPU: 00; 01 (default); 02	V8
				AHU kit: 00 (default); 01; 02	
			Lower limit of cooling temperature	00 (default); 01; 02; 03; 04; 05; 06; 07	V8
			Upper limit of heating temperature	00 (default); 01; 02; 03; 04; 05; 06; 07	V8
			Ambient temperature when preheating is turned on	00: 5°C (default); 01: 0°C; 02: -5°C	V8
		Humidity control settings	Auto Dry	00: Off (default); 01: On	V8
			Target relative humidity of Auto Dry	40%/41%/42%...65% (default)/66%...69%/70%	V8
			Target humidity for third-party dehumidifiers	35%/36%/...65% (default)/66%...69%/70%	V8
			Target humidity for third-party humidifiers	35%/36%/...65% (default)/66%...69%/70%	V8

III. ODU Settings

Menu	Submenu	Third-level menu	Details	Applicable model
Engineering settings	ODU settings	Energy rating of ODU	40–100%, 100% by default, with 1% precision	V6/V8
		Silence level of ODU	00–14, 00 by default	V6/V8
		VIP IDU address	0–63, default	V6/V8
		Heating and air supply enabled	00: Off (default); 01: On	V8

List of Hazardous Substances

Hazardous substances Parts	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ether (PBDE)	Di (2-ethylhexyl) phthalate (DEHP)	Dibutyl phthalate (DBP)	Butyl benzyl phthalate (BBP)	Diisobutyl phthalate (DIBP)
Motor component	×	○	×	○	○	○	○	○	○	○
Touchscreen	×	○	×	○	○	○	○	○	○	○
Antenna	×	○	×	○	○	○	○	○	○	○
PCBA module	×	○	×	○	○	○	○	○	○	○
Connection wire	×	○	○	○	○	○	○	○	○	○
Battery	○	○	○	○	○	○	○	○	○	○
Fasteners such as screws and gaskets	×	○	○	○	○	○	○	○	○	○
Rubber parts	○	○	○	○	○	○	○	○	○	○
Other metal parts	○	○	○	○	○	○	○	○	○	○
Other plastic parts	○	○	○	○	○	○	○	○	○	○
Printed materials	○	○	○	○	○	○	○	○	○	○

This form is prepared according to the specifications of SJ/T 11364.

- : indicates that the content of this hazardous substance contained in all homogeneous materials of this part is within the limits defined in GB/T 26572 and its Amendment 1.
- ×: indicates that the content of this hazardous substance contained in at least one homogeneous material used for this component is above the limits defined in GB/T 26572 and its Amendment 1. Currently, there are no reliable alternatives available due to existing technological constraints. Therefore, this is permissible under relevant standards and will be addressed as technology advances.

To protect the environment and human health:

1. Do not mix the waste product of this device with household garbage. Send the waste product to an authorized recycling center.
2. The recycling center will recycle the waste materials appropriately.
3. After the recommended service life for environmental protection expires, contact your local dealer or service provider in time for a replacement of the product.
4. For details about product recycling, consult the local government, waste recycling center, or dealer.

The approved model code is marked on the nameplate.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC&IC

This device complies with part 15 of the FCC rules and contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1. L'appareil ne doit pas produire de brouillage;
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC RF Exposure Statement:

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

设计更改记录表（仅做说明用，不做菲林）

版本升级	更改人	更改日期	更改主要内容	涉及更改页面 （印刷页码）
		20250401	更新环保及Q4mini	

Certificate	
Product model	See the information on the unit body
Factory No.	See the barcode on the unit body
Inspection conclusion	Qualified
Inspector	04



Scan the QR code to
follow us on WeChat.

Model: KJR-86X2/BS

Tel: 400-8899-315

GD Midea Heating & Ventilating Equipment Co., Ltd.

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Postal code: 528311

Website: www.midea.com

Fax: (0757) 26338511

Email: service@midea.com

Version: V.A

The contents of this document have been carefully checked. If you find any errors in printing or need help understanding the contents, please contact us.

Note: Where there is a technical improvement on the product, the improvement will be included in a new edition of the manual. No further notification will be provided.

Refer to the actual product for any changes in the appearance and color of the product.