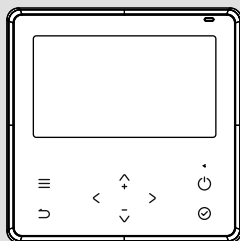


MODELS
CNTRLDRCIPW
CNTRLDRCIPB



Wired Remote Controller
Operation and Installation Manual

Rinnai

Congratulations on the purchase of your Rinnai Wired Remote Controller.

This manual describes safety precautions required for the use of the product.

- Read this manual carefully before installing or operating your wired remote controller. Make sure you understand the information provided before attempting to use the product.
- Keep this manual where it is readily accessible after reading it through.
- If another user operates the product in the future, be sure to hand over this manual to the new user.
- All the pictures in this manual are for explanation purpose only. They may be slightly different from the wired remote controller you purchased and the actual shape shall prevail.

This Wired Controller is compatible with the following Rinnai indoor models:

DRCi	Hi-Wall	Slim Ducted	Cassette
DINLR07B1	HINRP20M	DINSD26MB	CIN20RMB
DINLR09B1	HINRP26M	DINSD35MB	CIN26RMB
DINLR11B1	HINRP35M	DINSD50MB	CIN35RMB
DINLR13B1	HINRP50M	DINSD70MB	CIN50RMB
DINLR15B1	HINRP60M		
DINLR18B1	HINRP70M		



This controller contains features and functions that are applicable to certain models in 1:1 and Multi configurations. In brackets next to the associated feature or function the applicable models will be listed. If no models are listed the feature or function is applicable to all.

1:1 - This configuration contains one outdoor unit and one indoor unit.

Multi - This configuration contains one outdoor unit and two or more indoor units. The only models that may be installed in a multi configuration are Hi-Wall, Cassette, and Slim Ducted units, DRCi is a 1:1 configuration.

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1. SAFETY PRECAUTIONS



- This wired controller must be installed only by an Authorised Person.
- Installation by other persons may lead to imperfect installation, electric shock or fire.
- Adhere to this installation manual.
- Improper installation may lead to electric shock or fire.
- Reinstallation must be made by an Authorised Person.
- Do not uninstall the unit randomly. Arbitrarily uninstalling may lead to abnormal operation, heating or fire of the air condition.



- Do not install the unit in a place vulnerable to leakage or flammable gases. Once flammable gases are leaked and left around the wire controller, fire may occur.
- Do not operate with wet hands or let water enter the wired controller. Otherwise, electric shock may occur.
- The wiring should adapt to the wired controller's current. Otherwise, electric leakage or heating may occur and result in fire.
- The specified cables shall be applied in the wiring. No external force may be applied to the terminal.
- The illustrations used in this manual are for explanatory purposes only.



BEFORE INSTALLING THE WIRED CONTROLLER

- This manual provides instructions for installing the wired controller. Please refer to the wiring diagram of this installation manual for connecting the wired controller with indoor unit.
- The wired controller operates in a low voltage loop circuit. Strictly **DO NOT** directly contact the high voltage cable above, such as 115V, 220V, 380V. **DO NOT** allow the controller or controller loom to come in contact with high voltage cables such as 115V and above. Clearances for this situation shall be 300mm or more.
- The shielded wire of the wired controller must be grounded firmly.
- After completing the wire controller connection, **DO NOT** use Megger tester to check the insulation. That may damage the product.



A maximum of two controllers may be installed on a system and the mix may contain any of the following three controllers:

CNTRLDRCINW / CNTRLDRCIPW / CNTRLDRCIPB

2. ACCESSORY INSTALLATION

Select the installation location

Don't install at the place where cover with heavy oil, vapor or sulfureted gas, otherwise, this product would be deformed that would lead to system malfunction.

Preparation before installation

1. Please confirm that all the following parts have been supplied.

No.	Name	Qty	Remarks
1	Wired Controller	1	—
2	Operation & Installation Manual	1	—
3	Screws	3	ST 3.9*25 (For mounting on the wall)
4	Wall Plugs	3	For Mounting on the Wall
5	Battery (CR2032)	1	—

3. INSTALLATION METHOD

Wired Remote Controller Dimensions

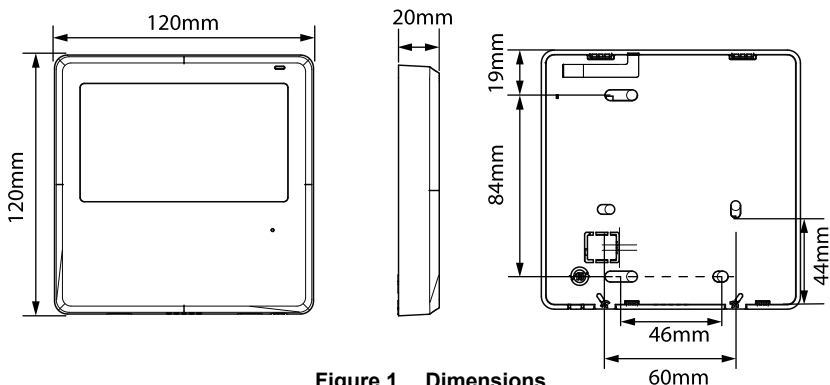


Figure 1. Dimensions

Remove the backing plate from the wired controller

- Insert a flat screwdriver into the slots in the lower part of the wired controller (2 places). Rotate the screwdriver (2 places) to remove the backing plate (Figure 2).

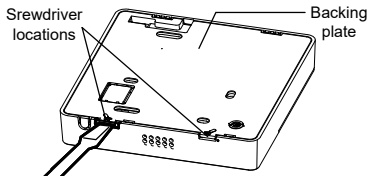


Figure 2. Backing plate removal



Do not pry up and down, you can only rotate the screwdriver.



The PCB is mounted in the upper part of the wired controller. Be careful not to damage the board with the slot screwdriver.

Fasten the back plate of the wired controller

- Fasten the back plate on the wall with the 3 screws (ST3.9*25) and plugs (Figure 3) provided.

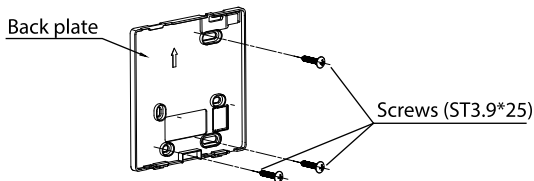


Figure 3.

Fasten the back plate of the wired controller

- Remove plastic knockout from the backing plate (Figure 4).
- Create a hole in the wall to access the wall cavity for routing the loom from FCU to controller.

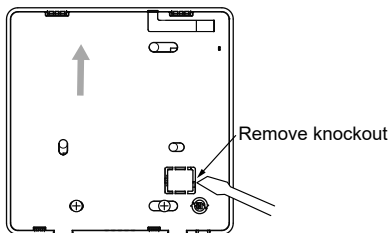


Figure 4.



Put on a flat surface. Be careful not to distort the back plate of the wire controller by over tightening the mounting screws.



- **WARNING KEEP BATTERIES OUT OF REACH OF CHILDREN.**

- Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the oesophagus.
- If you suspect your child has swallowed or inserted a button battery immediately call the 24-hour Poisons Information Centre on **13 11 26** for fast, expert advice.
- Examine devices and make sure the battery compartment is correctly secured, e.g. that the screws or other mechanical fasteners are tight. **DO NOT** use if compartment is not secure.
- Dispose of used button batteries immediately and safely. Flat batteries can still be dangerous and may be a choking hazard.
- Inform others about the risk associated with button batteries and how to keep their children safe.
- Remove the batteries if the remote is not going to be used for prolonged periods. This will help prevent damage from leaking batteries. If leakage has occurred and corrosion is evident the remote will need to be replaced.
- Leaking chemicals are toxic and **MUST NOT** be touched or ingested.
- **NEVER** mix old and new batteries.
- **DO NOT** immerse the remote control in any liquid, this will damage the remote control, rendering it inoperable and voiding its warranty.



Battery Installation (CR2032)

- Slide the battery into the holder as shown with the positive side facing up (Figure 5).
- Put the battery into the installation site and make sure the positive side of the battery is in accordance with the positive side of installation site.
- On the first power up set the time of day. If the system is exposed to a power outage the battery will maintain the time of day. If the displayed time is not correct once power is restored replace the battery.

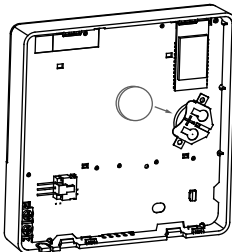


Figure 5.

Thermostat Connection to Indoor Unit

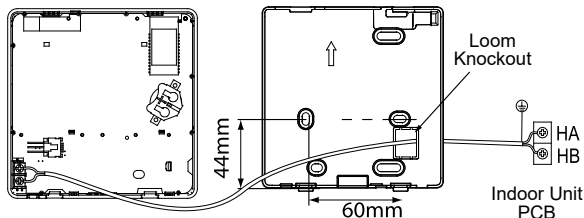


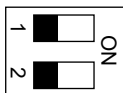
Figure 6. Model A

Setting up two Controllers

Up to two controllers may be connected to the HA and HB terminals on the indoor unit as detailed below. From factory, all controllers are supplied with SW1 dip switch setting '1' OFF and dip switch setting '2' OFF. When configuring a second controller to the DRCi system, two dip switches on the rear of the second controller (SW1 location) must change to the ON position as shown below. Dip switch settings for the primary or master controller must remain unchanged. Refer to Figure 7.

Controller 1 (Master)

SW1



Controller 1 (Slave)

SW1

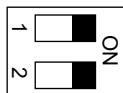


Figure 7.

If two controllers are installed both are equal and reflect the same information and operational changes may be conducted on either controller. Wi-Fi control may be setup on one of the controllers only. There is no polarity between HA and HB (Figure 8).

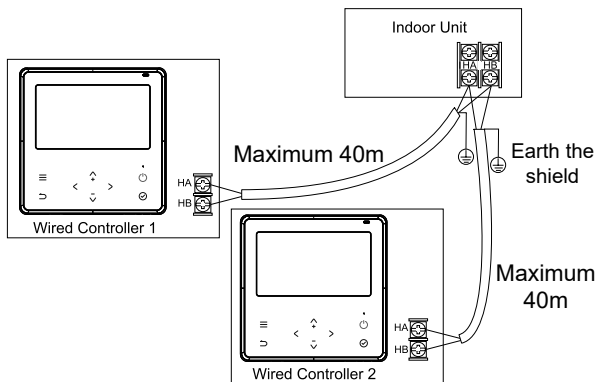


Figure 8.



DO NOT allow water to enter the wired control. Use the trap and putty to seal the wires. Connecting wires must be fixed reliably and cannot be pulled.

For some units, one wired controller can support multiple units (maximum of 16 units). For configuration of multiple indoor units loom connection is polarity sensitive and HA must connect to HA on all indoor units, the same applies to HB. In group control, there will be no error displayed on the wired controller (Figure 9).

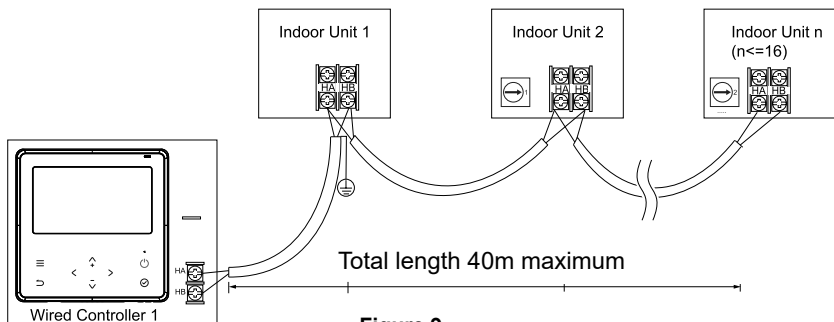


Figure 9.

Indoor Unit

Connect the terminals on the wired controller (HA ,HB), and the terminals of the indoor unit (HA ,HB). There is no polarity between HA and HB (Figure 10).

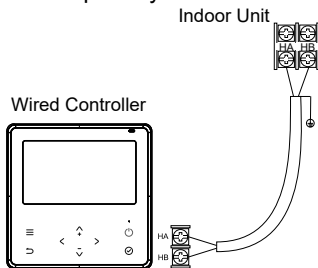


Figure 10.

Reattach backing plate of the wired controller

To reconnect the fascia to the backing plate, anchor the top lugs first as shown below then swing the fascia down and press lightly to engage the bottom tabs, be careful not pinch the loom during this process (Figure 11).

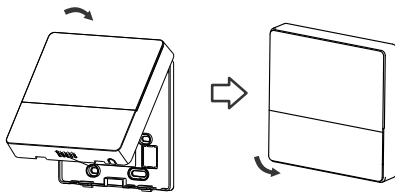


Figure 11.



NOTE

All the illustrations in this manual are for explanation purposes only. Your wired controller may be slightly different. The actual shape shall prevail.

4. SPECIFICATIONS

Models	CNTRLDRCIPW CNTRLDRCIPB
Input Voltage	12V~24V
Ambient Temperature	0~43°C
Ambient Humidity	RH40%~RH90%

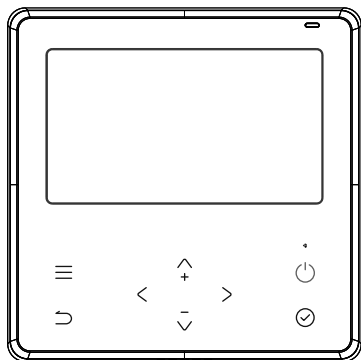
Wiring Specifications



Controller loom shall be 2-Core (0.5 mm.sq) shielded cable up to 40m long. Rinnai accessory CNTRLLOOM2W18M is 18m long and may be used for this purpose.

5. FEATURES

Feature and Functions of the Wired Controller



- TFT Display.
- Malfunction Code Display: shows the error code which is ideal for service.
- 4-way wire layout design. No raised section at back-end so more convenient to fit the wires and install the device.
- Room Temperature Display.
- Weekly Timer.

Function:

- Mode: Choose Auto-Cool-Dry-Heat-Fan
- Fan speed: Auto/Low/Med/High Speed
- Swing (1:1 & Multi – Hi-Wall)
- Timer ON/OFF
- Temp Setting
- Weekly Timer
- Follow Me
- Turbo
- 24-hour System
- 12-hour System
- Auto Restart
- Automatic Airflow Test (DRCi)
- Dual Control
- Group Control (1:1 - DRCi / Cassette)
- Child Lock
- LCD Display
- Clock

6. TFT DISPLAY

MODE display
Displays the current mode, including:

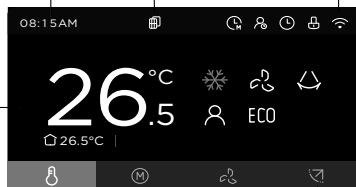
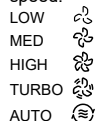


Function display

Time

Status Bar

FAN SPEED display
Displays selected fan speed:



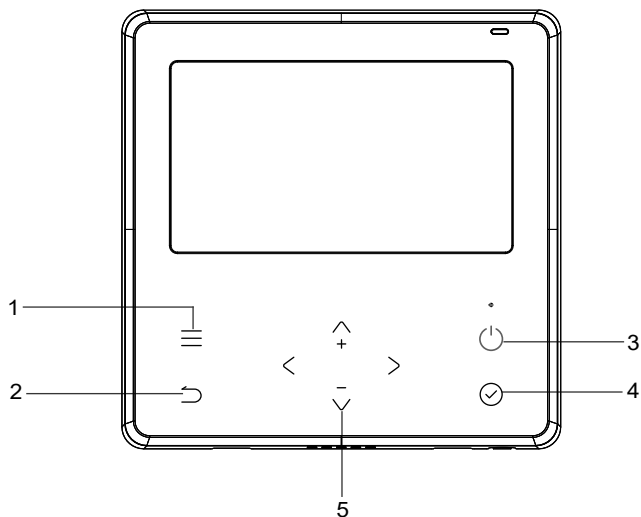
Navigation Bar

- Child lock
- Temperature
- Mode
- Warning
- Function
- Self clean display
1:1 – DRCi / Cassette / Hi-Wall

- Wireless control feature display
- Room temperature display
- Follow me feature display
- ECO ECO feature display
1:1 - DRCi / Hi-Wall / Cassette
- Filter Cleaning Remind
1:1 & Multi – Cassette / Hi-Wall
- SLEEP feature display

- Choose
- Timer
- Set up
- Timer settings
- Delay off display
- Vertical Louver Swing
1:1 & Multi – Hi-Wall
- Horizontal Louver Swing
1:1 & Multi – Hi-Wall

7. CONTROLLER BUTTONS




- 1 Menu
- 2 Return
- 3 ON/OFF
- 4 Enter
- 5 Left / Right, Up / Down

8. OPERATION

Introduction to Button Setting

Start the remote control

1. Wired controller connected to power.
2. Press the “” to start the device.
3. Enter the main page display.



Power-on status
main page display



Shutdown status
main page display

Standby State

1. Occurs after no button operation for 30 seconds.
2. After entering the standby state, the controller exits all setting states and restores the main page display.



Screen Off

1. Occurs after no button operation for 60 seconds (including 30 seconds of standby).
2. TFT screen off. Press any key to exit the screen-off state. The home page display interface will be restored.

8-Degree Heating Function



(1:1 - Hi-Wall / DRCi / Cassette [Exc: Multi])

In cold climates this feature assists with maintaining the home or room at 8°C.



ON/OFF 


Press this button to change the on/off state of the wired controller.


Up/Down  

Press the “ ” or “ ” to adjust the parameters, or adjust the cursor selection items up or down in the setting state.


Left/Right  

Press the “ ” or “ ” to select the setting item Left/Right, or enter or return to the previous menu during menu setting.


Return 

Press the “ ” to re turn to the main page display, or return to the previous menu during menu setting.

Enter 

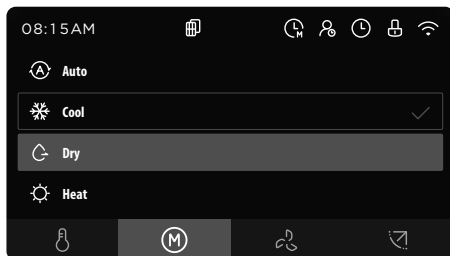
Press the “ ” to confirm the change of the currently selected setting item, or enter the next level menu when the menu is set.

Menu 

Press the “ ” to set the status of the menu.

Mode Setting (M)

1. In the non-menu setting state, press “<” or “>” to select the mode setting.




2. Press “ $\hat{+}$ ” or “ $\hat{-}$ ” to select mode, and then press “ $\hat{\odot}$ ” to change the setting mode.
3. The most selected modes are Auto, Cool, Dry, Heat, Aux Heater, Aux Heat+Heat, Fan.
4. When the Auto or Dry mode is selected, the fan speed is fixed, the fan speed cannot be adjusted, while the set temperature is adjustable.
5. When the Cool or Heat mode is selected, the fan speed and temperature can be adjusted.
6. When the Fan mode is selected, the temperature display will be greyed out, and the temperature cannot be adjusted.
7. When the mode is set to Aux Heater mode, the fan speed becomes Auto wind, which cannot be adjusted. At this time, switch to other modes, and the fan speed no change.

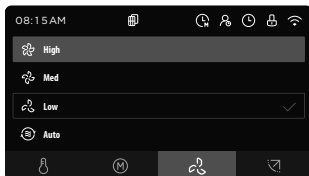
8. In Aux Heater mode, sleep, 8-degree heating, turbo, and rotation functions cannot be turned on.
9. When the mode is set to Aux Heater + Heat mode, the fan speed is auto wind. At this time, Turbo and Rotation functions cannot be turned on, and the fan speed cannot be adjusted.
10. Aux Heater mode and Aux Heat+Heat mode can be set only when it is detected.


Set Temperature Setting

1. Press the button “ $\hat{+}$ ” or “ $\hat{-}$ ” to set the room temperature. Indoor Setting Temperature Range: 10/16/17/~30°C or 20~28°C (model dependant).

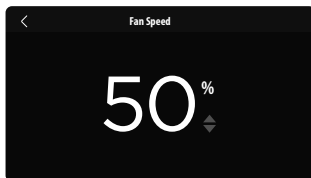
Fan Speed Setting

1. In the non-menu setting state, press “ $\hat{<}$ ” or “ $\hat{>}$ ” to select “”. Fan speed setting function is unavailable under Auto or Dry mode.



2. Press “ $\hat{+}$ ” or “ $\hat{-}$ ” to select the fan speed, and then press “” to change the fan speed;

3. Press “ $\hat{+}$ ” or “ $\hat{-}$ ” to select Customised Fan Speed, and then press “ \checkmark ” to enter stepless speed regulation.

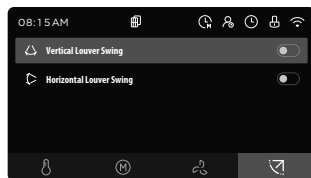


4. In stepless speed regulation Setting state, press “ $\hat{+}$ ” or “ $\hat{-}$ ” to adjust the Fan speed, the setting range is 1%~100%.
5. Press “ \supset ” to exit stepless speed regulation.

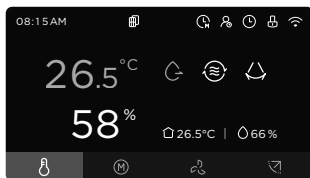
Fan Direction Setting ∇

(1:1 & Multi - Hi-Wall / Cassette)

1. In the non-menu setting state, press “ $<$ ” or “ $>$ ” to select “ ∇ ”.



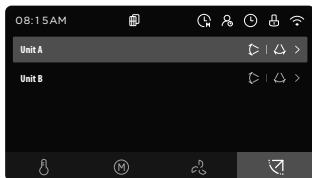
2. Press “ $\hat{+}$ ” or “ $\hat{-}$ ” to select the fan direction function, press “ \checkmark ” to enable or disable the function; whether there is a fan direction function is determined by indoor unit.



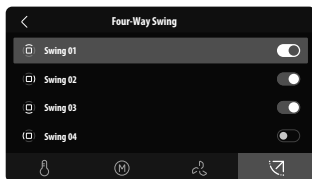
3. When Horizontal Louver Swing* is selected, press “ \checkmark ” to enable/disable the Horizontal Swing* function.
4. When Vertical Louver Swing* is selected, press “ \checkmark ” to enable/disable the Vertical Louver Swing* function.

** Swing option is available on Rinnai Cassettes and Hi-Wall split systems.*

5. When the Four-Way Swing is selected, press “ \checkmark ”, and use “ $\hat{+}$ ” or “ $\hat{-}$ ” to select the fan direction menu.




6. If indoor unit is TWINS model, you need to select the Unit A or Unit B, then set the basic swing function.



7. When Breezeless is selected, press “☑” to enable/disable the Breezeless function. The Breezeless function can only be set when the setting mode is set to Cool. Turn on the Breezeless function to cancel the Turbo, ECO, GEAR, Horizontal Louver Swing, Wind On, Wind Away Anti-Wind Blowing.
8. When Wind On is selected, press “☑” to enable/disable the Wind On function. The Wind On function can be set only when Auto, Cool, Heat.
9. When Wind Away is selected, press “☑” to enable/disable the Wind Away function. The Wind Away function can only be set when Auto, Cool, and Heat.
10. When Anti-Wind Blowing is selected, press “☑” to enable/disable the Anti-Wind Blowing function. The function can only be set when the setting mode is set to Cool, Dry and Fan.

Special Function Settings

Turbo

1. Press “≡”, use “^” or “v” to select “

Rinnai

Follow Me

1. Press “≡”, use “ $\hat{+}$ ” or “ $\hat{-}$ ” to select “ 88 ”, press “ \odot ” or “>”, then turn on Follow Me.
2. Turn on Follow Me function, and set the room temperature to Indoor unit.
3. Turn on the Follow Me function to cancel the 8-degree heating function.

ECO

(1:1 - Hi-Wall / DRCi / Cassette [Exc: Multi])

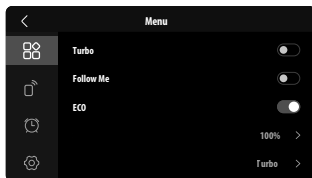
1. Press “≡”, use “ $\hat{+}$ ” or “ $\hat{-}$ ” or “ ” to select “ 88 ”, press “ \odot ” or “>”, then turn on ECO.
2. Under COOL mode, turn on the ECO function to cancel breezeless, turbo, sleep, and gear functions.
3. When the ECO function is switched from off to on, when the set temperature is less than 24°C, the temperature will change to 24°C.
4. When the ECO function is switched from the off state to the on state, the fan speed defaults to auto. By changing the fan speed, it does not exit the ECO function.













Sleep

1. Press “≡”, use “ $\hat{+}$ ” or “ $\hat{-}$ ” or “ ” to select “ 88 ”, press “ \odot ” or “>”, then turn on Sleep.
2. Under Auto, Cool, turn on the sleep function to cancel Turbo, ECO and 8-degree heating functions.
3. Turn on the sleep function and the fan speed is fixed as auto.



Special Function Setting

1. When the home page is displayed, press “≡” to enter the special menu setting.

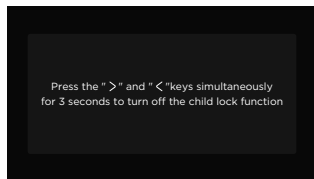
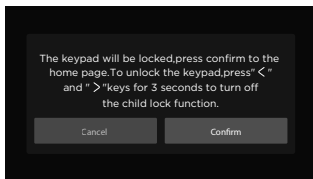


2. Press “+” or “-” to select special function setting “” Smart Control Settings “”, Timing settings “”, system settings “”, Press “” or “>” to enter the next menu.
3. In the menu setting state, if the selected item has a next-level menu, you can press “>” or “” to enter the next-level menu. Press “<” or “” to return to the previous menu;
4. Press “+” or “-” to adjust options or parameters;
5. Press “” to confirm to enable/disable the function.
6. Whether there have special function is determined by indoor unit.



Child Lock

1. Press “≡” to select special function setting “”.
2. Press “” or “>” to turn on Child Lock.
3. There will be a second confirmation prompt when opening the Child Lock, select Confirm again to open the Child Lock.
4. When the Child Lock is turned on, the wired controller does not receive the remote control signal.

5. When the Child Lock is turned on, you can use the key combination “<” + “>”. Press and hold for 3 seconds to exit Child Lock. When the Child Lock is not turned on, also use the key combination. Press and hold for 3 seconds to activate the Child Lock.




Filter Cleaning Reminder

Press “≡”, use “^” or “√” to select “”, press “☑” or “>”, then turn on Filter Cleaning Remind, symbol lights up “”.


Self-Clean

(1:1 - Hi-Wall / DRCi / Cassette / Slim Ducted [Exc: Multi])

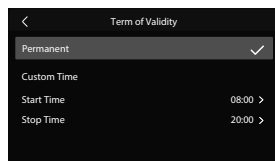
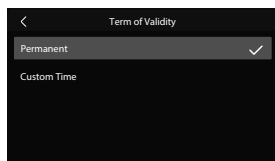
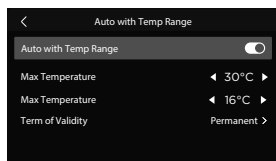
This process assists with cleaning the indoor coil and depending on the appliance it can take up to 90 minutes to complete.

1. Press “≡”, use “^” or “√” to select “”, press “☑” or “>”, then turn on Self-Clean.
2. When the self-clean is turned on, cancel the fresh air and daily timer functions.

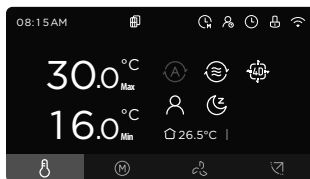
Auto with Temperature Range

1. Press “≡”, use “^” or “√” to select “”, press “☑” or “>”, then turn on Auto with Temp Range.

- The temperature difference between the upper and lower limits of the set temperature is greater than or equal to 5°C.
- The parameters that can be set when the temperature zone control function is turned on are: MaxTemperature, MaxTemperature, (Time of Validity). The set parameters are saved, and it is still valid after power-off and power-on.



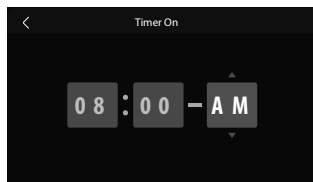
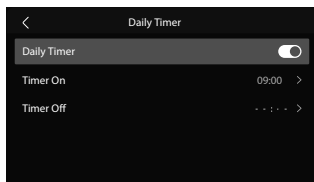
- The setting of Max Temperature and Min Temperature must satisfy $\text{MinTemperature} + 5^{\circ}\text{C} \leq \text{Max Temperature}$;
- Time of Validity can be set to Permanent or Custom time.



Daily Timer

- The daily timer can be set timer on or timer off.
- The daily timer is treated as an absolute time (the clock on the wired controller), when the daily timer is up, the wired controller is turned on or off.

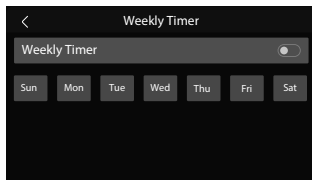
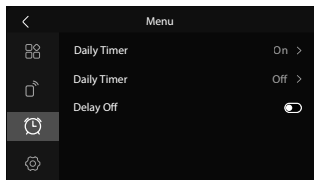
3. The daily timer information will take effect immediately if “↶” or “⊙” is pressed.
4. When the scheduled power-on and power-off time are the same, the system will automatically add 10 minutes to identify the power-on and power-off time.



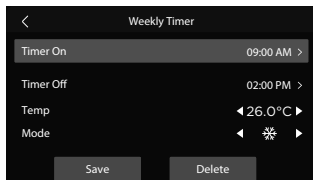
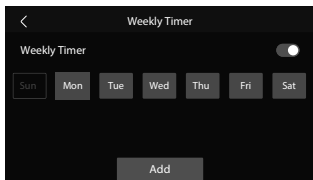
Weekly Timer

After the weekly timer function is turned on, you can set the daily timer work status separately.

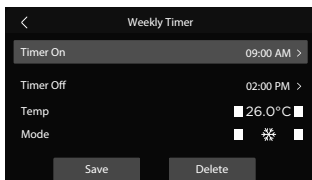
1. Press “≡” use “⧲” or “⧻”, to select “🕒”, then open Weekly Timer.



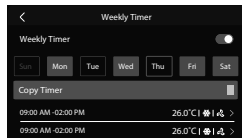
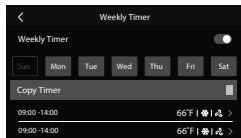
2. Use “ \wedge ”, “ \vee ”, “ $<$ ” or “ $>$ ” to select the timer date, and use “ADD” to add the set time, include Timer On, Timer Off, Temp, Mode, Fan Speed.



3. After the operation is complete, select “Save”.



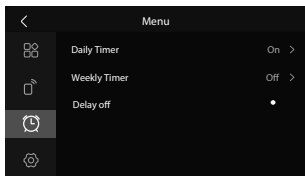
4. After completing the settings, you can quickly copy then use the timer through Copy Timer.





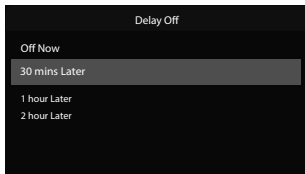
The weekly timer function is only valid if it is set for at least one day.


Delay off

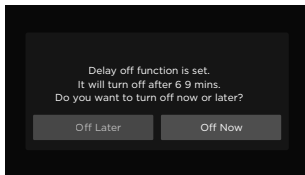
1. Press “≡”, use “” or “” to select “”, and then turn on Delay off.



2. Press “” or “” to select the following menu.



3. When the Delay off function has been activated, when the user press “” again, a reminder of the remaining delay time will pop up, and you can choose to Off Now or Off Later.



4. The Delay off setting has a power-down memory function. The user needs to manually exit the Delay off function.

Remote control reception



This option is applicable to Hi-Wall and Cassette models supplied with a remote control and are configured to a wired controller.


1. The wired controller has the function of remote control reception.
After receiving the valid code of the remote control, the TFT display status will be refreshed according to the data such as the switch of the remote control code, the set temperature, the set mode, the fan speed and the timer switch value. The information is sent to the indoor unit.
2. The wired controller does not receive the digital display remote control code.
3. When the 'Follow Me' function is enabled on the wired controller, 'Follow Me' signal is received and processed on the remote control as an invalid signal. When 'Follow Me' function is turned off on the wired controller, 'Follow Me' remote control signal is forwarded to the air conditioner and the wired controller. Do not process the remote control signal of follow me, and do not open follow me function.
4. When the child lock function is turned on, the remote control does not receive remote control signals.

Auto Restore

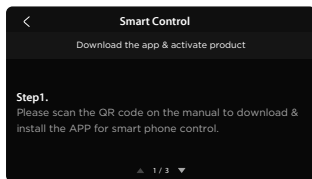
1. Press "≡", use "⤴" or "⤵" to select "⊞". Press "⊙" or ">", then turn on Auto Restore.
2. When the function of Auto Restore to original setting is changed from off to on, the current setting mode, set temperature and set fan speed status are memorised.

-
3. When the user changes the set mode, set temperature and set fan speed to make them different from the state in memory, start the time counting; when the timer expires, restore the set mode, set temperature and set fan speed to the memory. (Only restore the set mode, set temperature, set fan speed, do not change the switch state). When the switch state changes, the original setting function will be restored if it is not cancelled.
 4. If the user wants to update the memorised fixed mode, set temperature and set fan speed status, it is necessary to turn off the function and then turn it on again.
 5. When the function of Auto Restore to original setting is enabled, if the weekly timer function has been turned on, a pop-up window will remind the user that there is a conflict of functions. It is necessary to confirm that weekly timer function is turned off. If the user chooses to confirm, the weekly timer will be turned off and continue to enter the automatic recovery setting interface, select Cancel Return directly.
 6. When the weekly timer function is turned on, if the Auto Restore function has been turned on, a pop-up window will remind the user of the function conflict. It is necessary to confirm that the timer recovery original setting function is turned off. If the user chooses to confirm, the Auto Restore will be turned off and continue to enter the weekly timer setting interface, select Cancel Return directly.

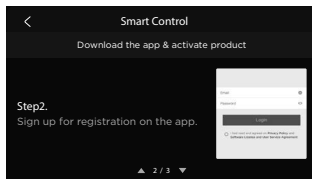
Wi-Fi Configuration – Smart Control Settings

1. “≡”, use “ \wedge ” or “ \vee ” to select “”.
2. During the smart control setting, if the wired controller is not connected to the network, Step 1, Step 2, and Step 3 section of the network configuration guide will be displayed in sequence under user operation. When ‘Step 3’ of the following Smart Control process is displayed, the wired controller will automatically enter the AP network configuration state. If the network configuration is successful, it will prompt the connection completion.

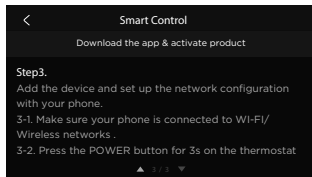
Smart Control – Step 1



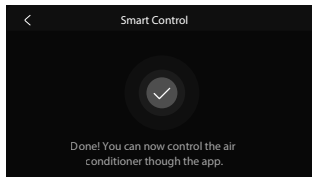
Smart Control – Step 2



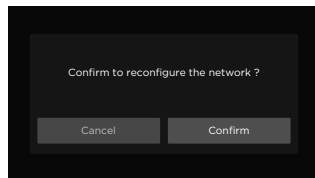
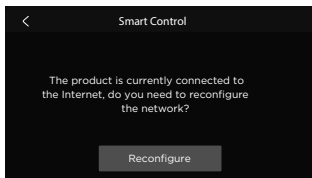
Smart Control – Step 3



Smart Control – Step 4



-
- During smart control setting, if the wired controller is connected to the Internet, and the network can be reconfigured; after the user reconfirms, the network configuration guide will be displayed.



Buzzer

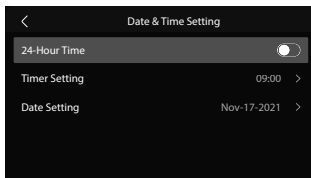
- When the buzzer is set to be valid, while the wired controller has a valid key operation, the buzzer will sound once.
- When the buzzer is set to be invalid, the buzzer does not sound when there is a button operation on the wired controller.

Language

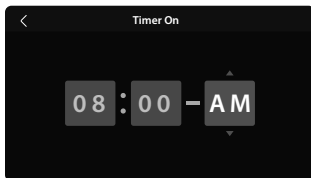
- System language settings can be set to English, French, Italian, Portuguese or Spanish.
- A prompt will pop up again during the setting. After the customer reconfirms, the display of the wire controller will automatically change to the corresponding language.

Data & Time Setting

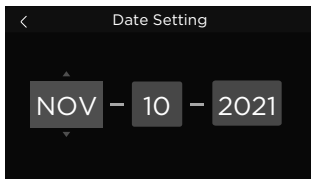
1. The lower section of date & time setting can set 12/24 hour system switching, wired controller time setting or wired controller date setting.



2. The time setting interface of the wired controller is as follows:



3. The date setting interface of the wired controller is as follows:



°C/°F Switching

Press “ $\hat{+}$ ” and “ \checkmark ” for 3 seconds will alternate the temperature display between the °C & °F scale.

9. WIRELESS CONTROL CONNECTION

Safety Precautions

- Read the safety precautions carefully before installing the unit.
- Refer to the following important safety issues that must be observed.
- Applicable system: iOS, Android. (Recommended: iOS 10.3, Android 6.0)



- **APP can not support the latest software version of Android and iOS system.**
- **Due to special circumstances that have occurred, we explicitly claim below: Not all of the Android and iOS systems are compatible with APP. We will not be responsible for any issues as a result of the incompatibility.**

Wireless safety strategy

- Wi-Fi only support - WPA-PSK/WPA2-PSK encryption and non encryption. WPA-PSK/WPA2-PSK encryption is recommended.



- **Smart Phone camera needs to be 5 million pixels or above to ensure QR scan works sufficiently.**
- **Due to different network conditions, occasionally a response time-out occurs. Therefore, it may be necessary to repeat network configuration.**
- **Due to different network set-ups, sometimes control process may return time-out. If this occurs, the display between board and App may not be the same. This is not an issue.**



Rinnai will not be liable for any issues and problems caused by Internet, Wi-Fi Router and Smart Devices. Please contact the original provider for assistance.

Download and Install APP

The APP system is subject to update without prior notice for product function improvement. The actual network configuration process may be slightly different from the manual, the actual process shall prevail.

Please check the service website for more information.



The following QR Code is only available for downloading the APP.

Android Phone Users: scan Android QR code or go to Google Play and search “NetHome Plus” APP and download the app.

iOS Users: scan iOS QR code or go to APP Store and search “NetHome Plus” APP and download the app. .



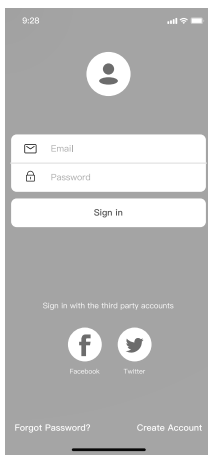
Android



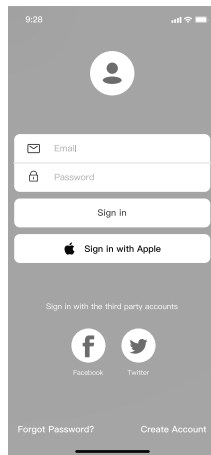
iOS

10. USER REGISTRATION

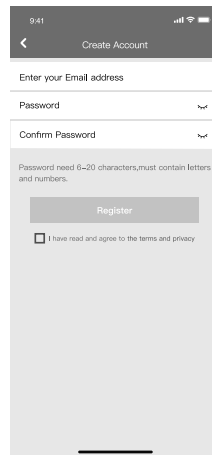
- Please ensure your mobile device is connected to the Wi-Fi router. Make sure the Wi-Fi router is connected to the internet before completing user registration and network configuration.
- It's better to log in your email box and activate your registration account by clicking link in case you forget the password. You can log in with the third party account details.



Android



iOS



1. If you do not have an account Click “Select Account”.
2. Enter your email address and password, then click “Register”.




- **Make sure your devices are powered on.**
- **Keep your mobile phone close enough to your device when you are connecting network to your device.**
- **Connect your mobile phone to the wireless network at home, and make sure you know the password of the Wireless Network.**
- **Check if your router supports 2.4 GHz Wireless Network band and turn it on. If you are not sure whether the router supports 2.4 GHz band, please contact the router manufacturer.**
- **The device cannot connect to the Wireless Network that requires authentication, and it usually appears in public area such as hotels, restaurants, etc. Please connect to a Wi-Fi that does not require authentication.**
- **It is recommended to use a Wireless Network name that only contains letters and numbers. If your Wireless Network name contains special characters, please modify it in the router.**
- **Turn off the WLAN+ (Android) or WLAN Assistant (iOS) function of your mobile phone when connecting network to your devices.**
- **If your device was previously connected to the Wireless Network and needs to reconnect, please click “+” on app Home page, then add your device again by the device category and model according to the instructions on app.**

11. NETWORK CONFIGURATION



- You must select your Wi-Fi network for successful registration. Turn off your 'mobile data'. Ignore any other network and make sure the Android or iOS device is only connected to the Wireless network you want to configure.
- Make sure the Android or iOS device connected to your Wi-Fi is functioning well and can connect back to your original Wi-Fi network automatically.

How to enter AP distribution network

Press “≡”, use “ \wedge ” or “ \vee ” to select the Smart Control “”, to connect to the network. AP mode is activated if the icon is flashing.

Using Android or iOS device to complete network configuration

- Make sure your mobile device has already been connected to the Wi-Fi network which you want to use. Ignore other irrelevant Wi-Fi networks as it may influence your configuration process.



When your Air Conditioner (AC) enters into 'AP' mode, the air-conditioning remote controller can't control it. It is necessary to finish network configuration or power the AC again in order to control it. Alternatively, you need to wait 8 minutes to let the AC quit 'AP' mode automatically.



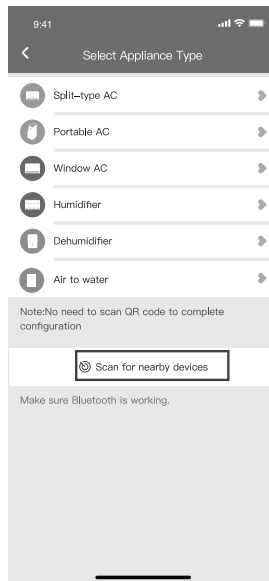
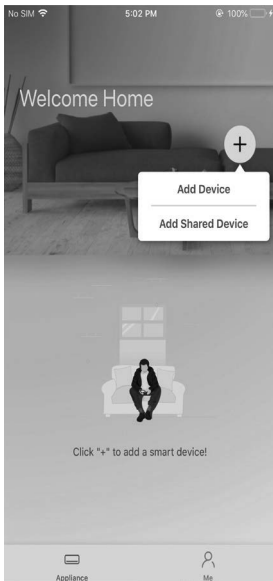
There are two ways to complete the network configuration:

- Network configuration by Bluetooth scan
- Network configuration by select appliance type

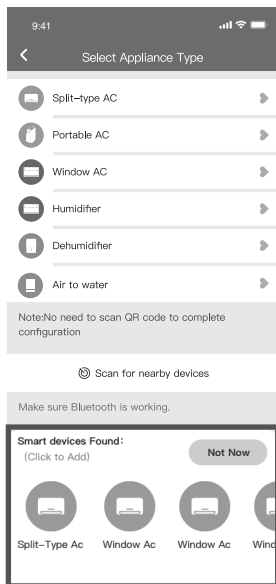
Network configuration by Bluetooth scan



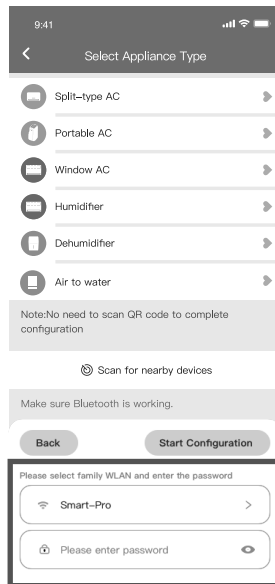
Make sure the bluetooth function of your mobile device is switched on and working.



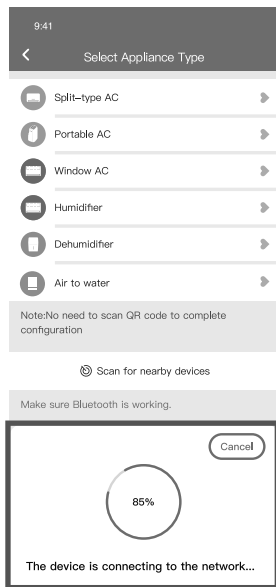
1. Open the APP and Press “+ Add Device”.
2. Press “Scan for nearby devices”.



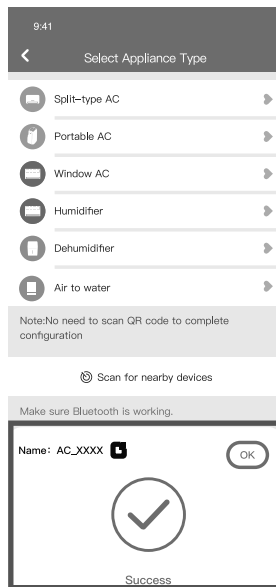
3. Wait for smart device to complete search, then click to Add Device.



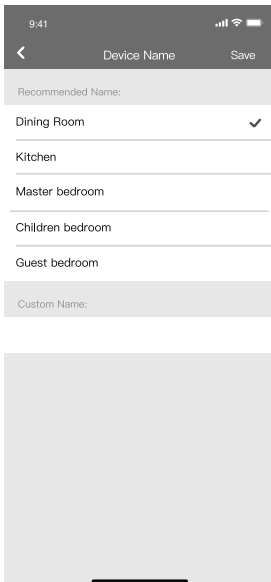
4. Select home Wi-Fi, enter your own Wi-Fi router password and click OK.



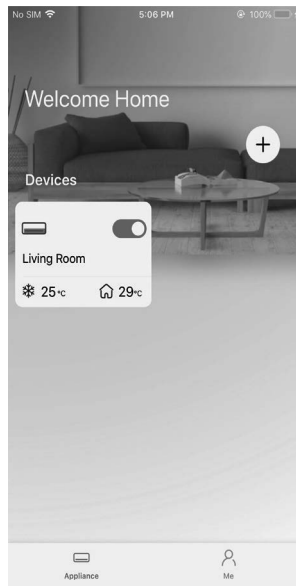
- Wait for connection to the network.



- Configuration Success, you can now modify the default name.

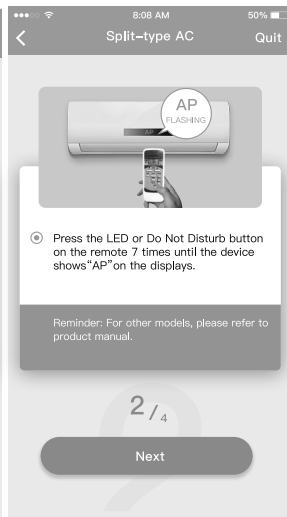
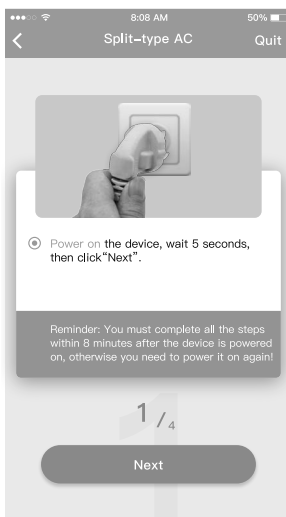
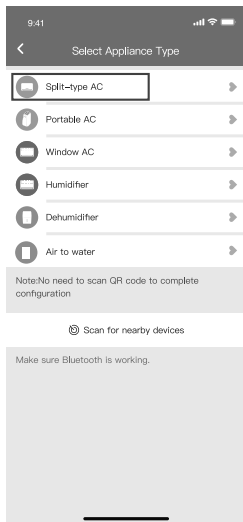


7. You can choose an existing name or customise a new name.

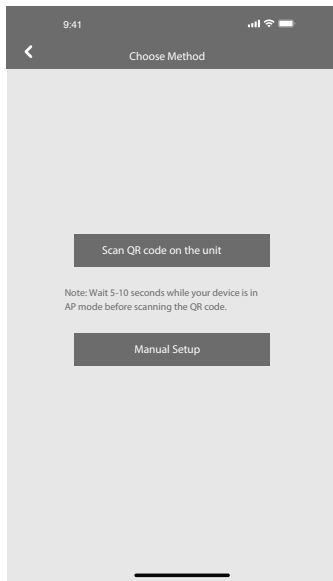


8. Bluetooth network configuration is successful, now you can see the device in the list.

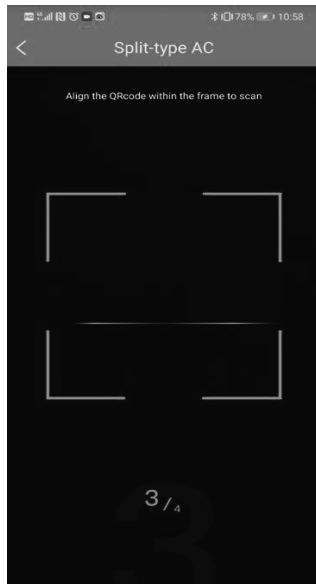
Network configuration by selecting appliance type



1. If the bluetooth network configuration has failed, please select the appliance type.
2. Please follow the above steps to enter “AP” mode.



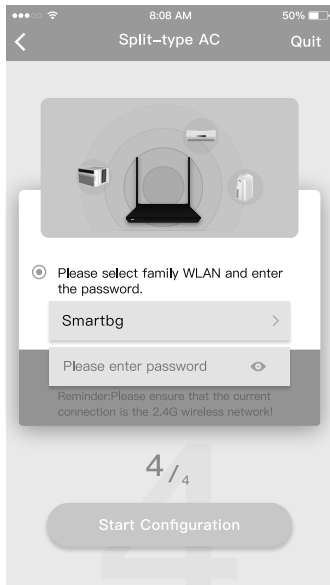
3. If choosing the network configuration method.



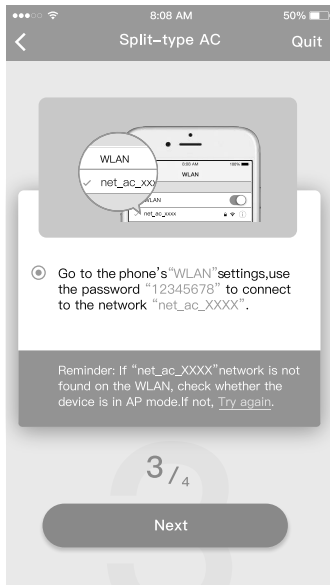
4. If choosing the “Scan the QR code” method.



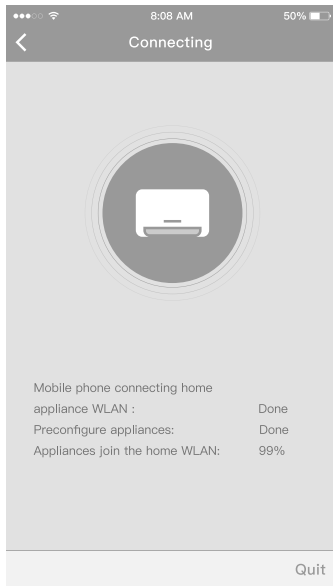
Steps 3 and 4 are applicable to Android system only. iOS system does not need these two steps.



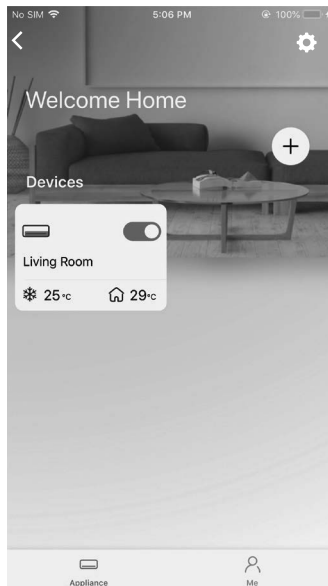
5. If choosing the “Manual Setup” method (Android). Connect to the wireless network (iOS).



6. Please enter password.



7. Network configuration is successful. The App is now fully configured for use.



8. Configuration Success, you can see the device on the list. You can now operate your system from anywhere with an internet connection.

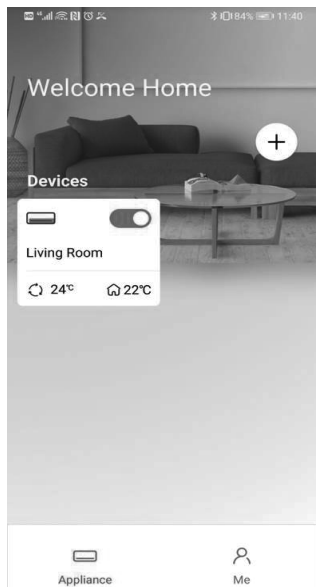
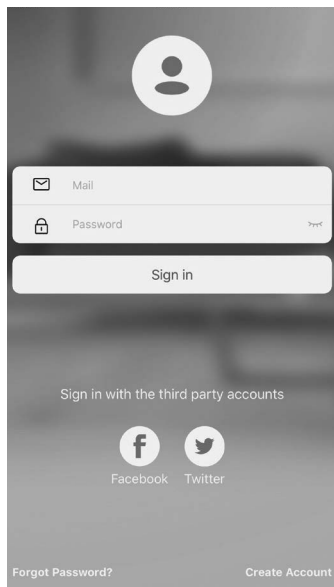


When finishing network configuration, APP will display “success” on the screen.

Due to changes in the internet settings, the device status may still display “offline”. If this occurs, refresh the device list on the APP and make sure the device status shows “online”. Alternatively, user can turn off the AC power and turn it back on again. The device status will become “online” after few minutes.

12. HOW TO USE APP

- Please ensure your mobile device is connected to the Wi-Fi router. Make sure the Wi-Fi router is connected to the internet before using the App to control the air conditioner via internet. Please follow the next steps.



1. Type your account and password and sign in.
2. Select your appliance.



3. Touch to turn on. The user can control the AC on/off status, operation mode, fan speed, temperature, etc.



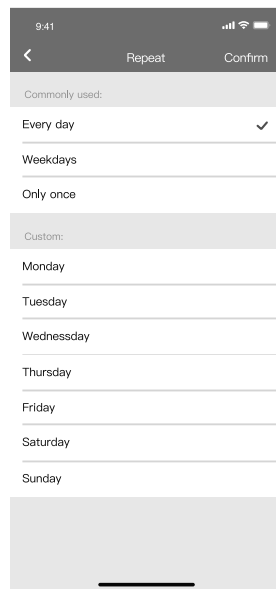
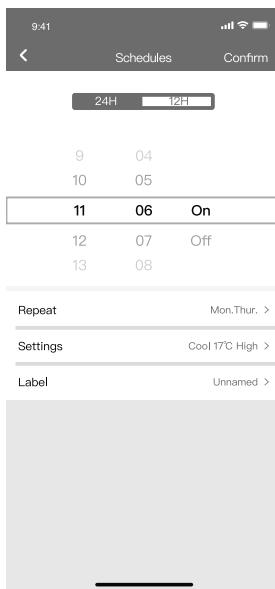
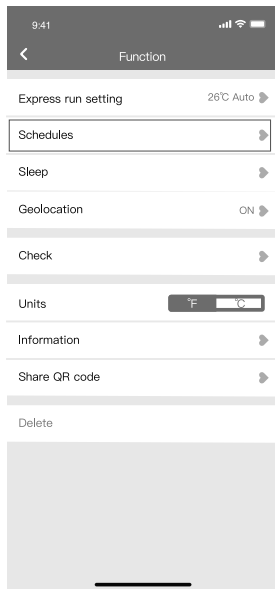
NOTE

Depending on your specific air conditioning system, some functions may not be controllable.

Special Functions

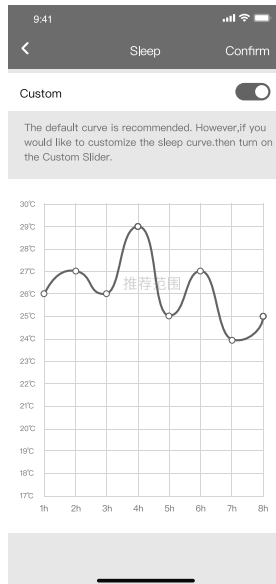
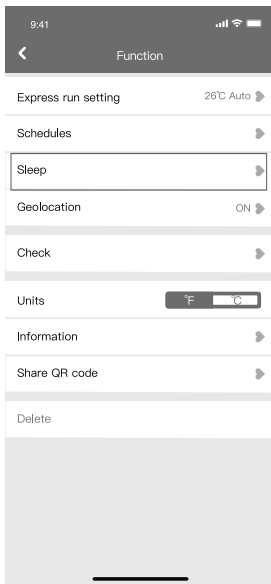
■ Schedule

User can schedule daily to turn air conditioner ON/OFF at any specific time of day during the week. User also can choose circulation to keep the AC under schedule control every week.



■ Sleep

User can customise their own comfortable sleep by setting an overnight target temperature. To access Sleep, system must already be operating in heating or cooling mode.



CAUTIONS

Wireless Network module models: US-SK107, EU-SK107:

FCC ID: 2ADQOMDNA21

IC: 12575A-MDNA21

This device complies with Part 15 of the FCC Rules and it 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; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Only operate the device in accordance with the instructions supplied.

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.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.



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.**

13. WARRANTY

TERMS OF WARRANTY – AUSTRALIA

Rinnai Australia Pty. Ltd. ABN 74 005 138 769, 100 Atlantic Drive, Keysborough
VIC 3173.

NOTICE TO CONSUMERS UNDER AUSTRALIAN CONSUMER LAW

Our goods and services come with guarantees that cannot be excluded under the Australian Consumer Law.

For a major failure with a good, you are entitled to a replacement or refund and compensation for any other reasonable foreseeable loss or damage. If the failure does not amount to a major failure and if the goods fail to be of acceptable quality, you are also entitled to have the goods repaired or replaced.

For a major failure with the service, you are entitled to cancel your service contract with us and obtain a refund for the unused portion, or to compensation for its reduced value. You are also entitled to be compensated for any other reasonably foreseeable loss or damage. If the failure does not amount to a major failure you are entitled to have problems with the service rectified in a reasonable time and, if this is not done, to cancel your contract and obtain a refund for the unused portion of the contract.

The benefits provided by this Warranty are in addition to any other rights and remedies available to a consumer under the Australian Consumer Law and any other law which may apply to the goods and or services.

WARRANTY: DRCi R32 Wired Controller

This product is warranted for a period of one (1) year from the date of purchase, in accordance with the Terms and Conditions of Warranty detailed below.

IMPORTANT – TO BE READ IN CONJUNCTION WITH THE TERMS AND CONDITIONS OF WARRANTY

- The fitness for purpose of the Rinnai DRCi R32 Wired Controller and ensuring suitable Wi-Fi connectivity is the sole responsibility of the Qualified Installer and or Purchaser.
- The DRCi R32 Wired Controller must be installed by a suitably Qualified Installer in accordance with local and national wiring codes, otherwise the warranty will be void.
- Always refer to the Installation and Owner's Manuals to ensure the correct installation and operation procedures have been followed.
- The DRCi R32 Wired Controller is to be installed indoors only; warranty excludes damage caused by the elements such as rain, wind, lightning, or harmful environmental conditions.
- For full Terms and Conditions, go to the Rinnai website, www.rinnai.com.au

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Rinnai Australia Pty Ltd

ABN 74 005 138 769 | AU45204

100 Atlantic Drive, Keysborough, Victoria 3173
P.O. Box 460, Braeside, Victoria 3195
Tel: (03) 9271 6625
Fax: (03) 9271 6622

National Help Line

Tel: 1300 555 545* Fax: 1300 555 655
Monday to Friday, 8.00 am to 5.00 pm EST.

**Cost of a local call may be higher from a mobile phone.
(National calls from public phones in Australia are free.)*

For further information visit **www.rinnai.com.au**
or email **enquiry@rinnai.com.au**

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance requires service, please call our National Help Line.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.