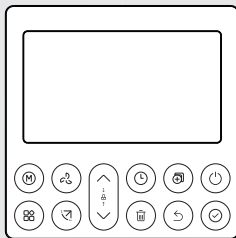


MODEL  
CNTRLDRCINW



**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**

---

DINLR07B1

---

DINLR09B1

---

DINLR11B1

---

DINLR13B1

---

DINLR15B1

---

DINLR18B1

---



**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 and Slim Ducted units, DRCi is a 1:1 configuration.

---

# 1.0 TABLE OF CONTENTS

|           |                                                     |           |
|-----------|-----------------------------------------------------|-----------|
| <b>1.</b> | <b>Safety Precautions</b>                           | <b>7</b>  |
| <b>2.</b> | <b>Accessory Installation</b>                       | <b>9</b>  |
| <b>3.</b> | <b>Installation Method</b>                          | <b>10</b> |
|           | Wired remote controller dimensions .....            | 10        |
|           | Battery Installation (CR2032) .....                 | 12        |
|           | Thermostat connection to Indoor Unit .....          | 13        |
|           | Setting up two Controllers .....                    | 13        |
| <b>4.</b> | <b>Specifications</b>                               | <b>17</b> |
|           | Wiring Specifications .....                         | 17        |
| <b>5.</b> | <b>Features</b>                                     | <b>18</b> |
|           | Feature and functions of the wired controller ..... | 18        |
| <b>6.</b> | <b>LCD Display</b>                                  | <b>19</b> |
| <b>7.</b> | <b>Controller buttons</b>                           | <b>20</b> |
| <b>8.</b> | <b>Settings prior to Operation</b>                  | <b>21</b> |
|           | Setting the current day and time .....              | 21        |

|                                                                       |           |
|-----------------------------------------------------------------------|-----------|
| <b>9. Operation</b>                                                   | <b>22</b> |
| To start/stop operation.....                                          | 22        |
| To set the operation mode .....                                       | 22        |
| Room temperature setting.....                                         | 23        |
| Fan speed setting.....                                                | 23        |
| Keypad tone setting .....                                             | 23        |
| ECO .....                                                             | 24        |
| SLEEP .....                                                           | 24        |
| GEAR .....                                                            | 25        |
| Child lock function .....                                             | 26        |
| Swing function (units with horizontal & vertical swing features)..... | 26        |
| Swing function (units without vertical swing function) .....          | 27        |
| Turbo function .....                                                  | 28        |
| Active Clean .....                                                    | 28        |
| Follow me function indicator.....                                     | 28        |
| <b>10. Timer Functions</b>                                            | <b>29</b> |
| To set the On or Off Timer .....                                      | 30        |
| To set the On and Off Timer .....                                     | 31        |
| <b>11. Weekly Timer 1</b>                                             | <b>32</b> |
| WEEKLY timer operation.....                                           | 34        |
| Delay function .....                                                  | 36        |

---

|                                                         |           |
|---------------------------------------------------------|-----------|
| <b>12. Weekly Timer 2</b>                               | <b>38</b> |
| Delete the time scale in one day .....                  | 44        |
| <b>13. Fault Codes</b>                                  | <b>45</b> |
| Fault Alarm Handling .....                              | 45        |
| Technical Requirements .....                            | 45        |
| <b>14. Wireless Control Connection</b>                  | <b>46</b> |
| Safety Precautions .....                                | 46        |
| Wireless safety strategy .....                          | 46        |
| Download and Install APP .....                          | 47        |
| <b>15. User Registration</b>                            | <b>48</b> |
| <b>16. Network Configuration</b>                        | <b>50</b> |
| Network configuration by Bluetooth scan .....           | 51        |
| Network configuration by selecting appliance type ..... | 55        |
| <b>17. How to Use App</b>                               | <b>60</b> |
| Special Functions .....                                 | 62        |
| <b>18. Warranty</b>                                     | <b>66</b> |
| <b>Contacts</b>                                         | <b>68</b> |

# 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** wire this type of cabling in the said loop; wiring clearance between configured tubes should range between 300~500mm or above.
- 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

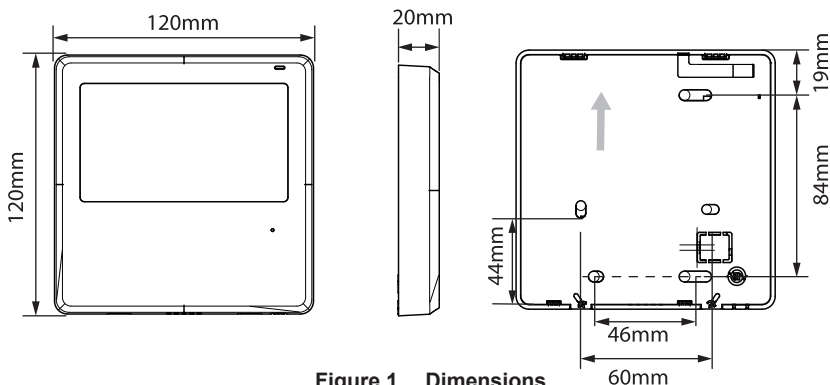


Figure 1. Dimensions

#### Remove 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).

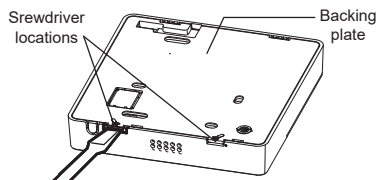


Figure 2. Backing plate removal



NOTE

**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 backing plate of the wired controller

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

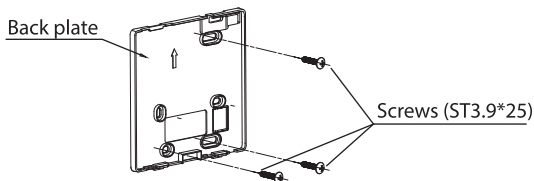


Figure 3.

### Loom access point

- 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.

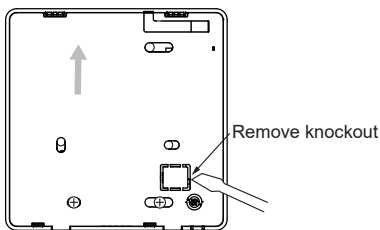


Figure 4.



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.

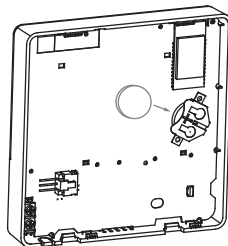


Figure 5.



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

## Thermostat connection to Indoor Unit

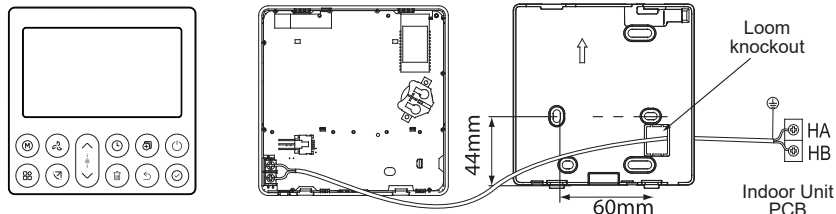


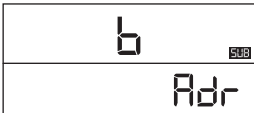
Figure 6. Model A

## Setting up two Controllers

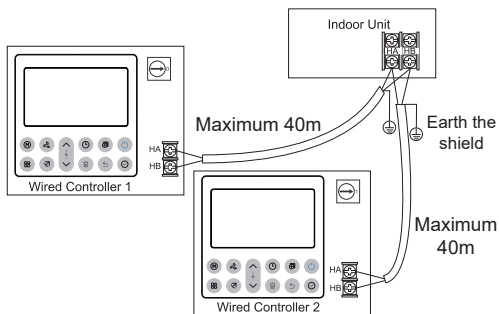
To configure a secondary CNTRLDRCINW controller do the following:

- 1 With both controllers connected, turn power to the system ON at the isolating switch.
- 2  Go to the proposed secondary controller and press the copy button.
- 3  Press the confirm button to access parameters.
- 4  Press the up button  $\wedge$  until ' - - ' and 'Adr' appear on the screen as shown below.



- 
- 5**  Press the Confirm button to access controller address options.
- 
- 6**  Press the Up button  $\wedge$  until 'b' appears as shown below.
- 
- 
- 7**  Press the Confirm button to accept address changes.
- 
- 8**  SUB will appear on the right hand side of the screen confirming setup of the secondary controller is complete.
- 
- 9**  Press the back button twice to save and return to the home screen.
- 
- 10** The system may now be operated by either controller. If two controllers are installed the secondary 'SUB' controller is not capable of the following functions:
- Setting Time and Date
  - Weekly Schedule
  - Timer On / Off

Wi-Fi control may be setup on one of the controllers only. There is no polarity between HA and HB (Figure 7).

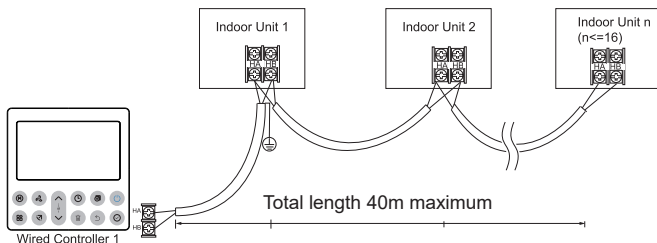


**Figure 7.**



**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 (a 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 8).

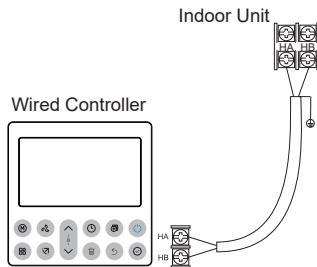


**Figure 8.**

---

## Indoor Unit

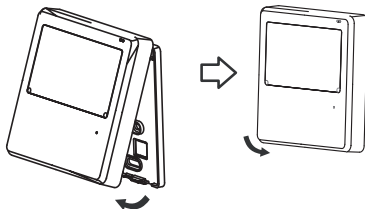
Connect the terminals on the wired controller (HA ,HB), and the terminals of the indoor unit (HA ,HB). There is no polarity between HA and HB (Figure 9).



**Figure 9.**

## 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 10).



**Figure 10.**

## 4. SPECIFICATIONS

|                     |             |
|---------------------|-------------|
| Model               | CNTRLDRCINW |
| Input Voltage       | 5V~24V      |
| Ambient Temperature | -5~43°C     |
| Ambient Humidity    | RH40%~RH90% |

### Wiring Specifications

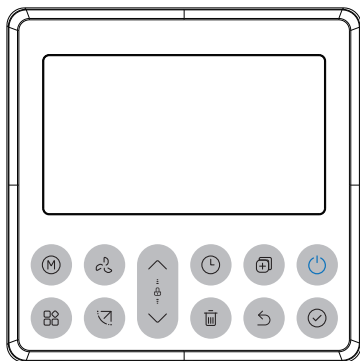


Controller loom shall be 2-Core shielded cable, 2 x 0.5mm.sq minimum, Rinnai part number CNTRLLOOM2W18M is 18m long and it may be used.

---

## 5. FEATURES

### Feature and functions of the wired controller



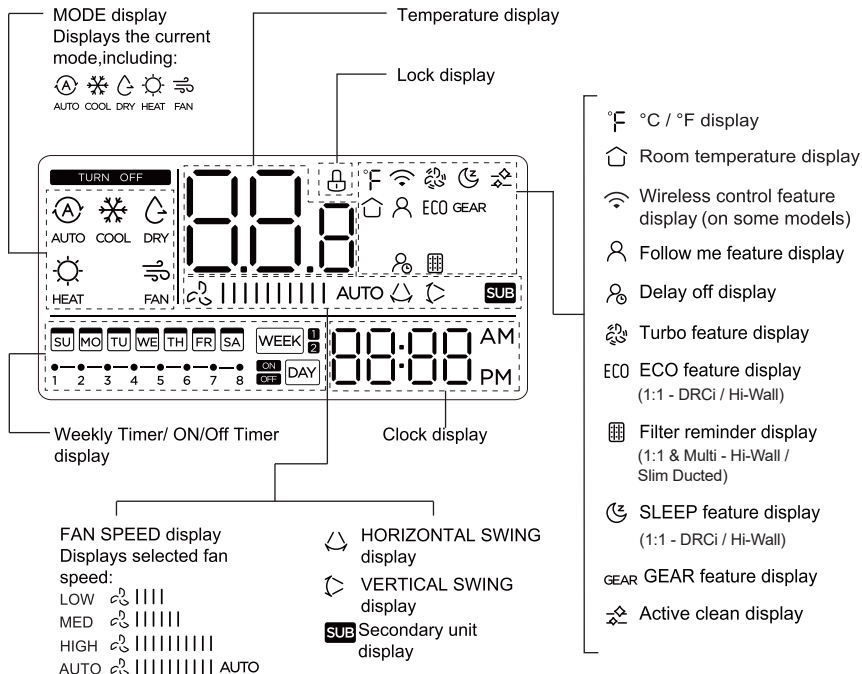
- LCD Display.
- Malfunction Code Display: shows the error code which is ideal for service.
- No raised section at back-end so more convenient to fit the wires and install the device.
- Room Temperature Display.
- Weekly Timer.

---

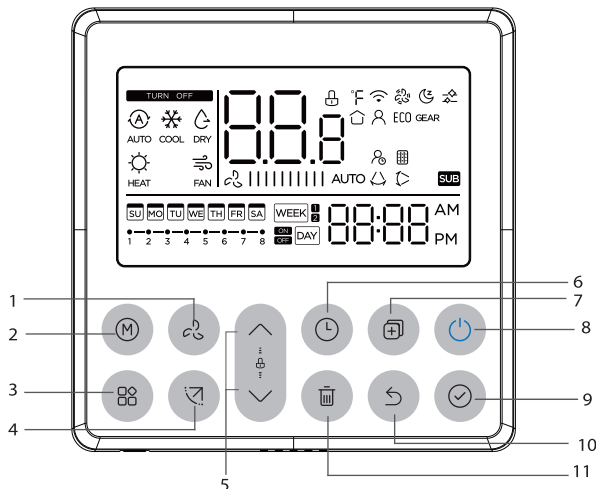
#### Function:

- 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)
- Child Lock
- LCD Display
- Clock

## 6. LCD DISPLAY



## 7. CONTROLLER BUTTONS



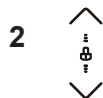
- |          |                                          |           |                                    |
|----------|------------------------------------------|-----------|------------------------------------|
| <b>1</b> | <b>FAN SPEED</b>                         | <b>7</b>  | <b>COPY</b>                        |
| <b>2</b> | <b>MODE</b>                              | <b>8</b>  | <b>POWER</b>                       |
| <b>3</b> | <b>FUNCTION</b>                          | <b>9</b>  | <b>CONFIRM</b>                     |
| <b>4</b> | <b>SWING (1:1 &amp; Multi – Hi-Wall)</b> | <b>10</b> | <b>BACK</b>                        |
| <b>5</b> | <b>ADJUST</b>                            | <b>11</b> | <b>DAY OFF/DELAY (1:1 – DRCi )</b> |
| <b>6</b> | <b>TIMER</b>                             |           |                                    |

## 8. SETTINGS PRIOR TO OPERATION

### Setting the current day and time



Press the Timer button for 2 seconds or more. The timer display will flash.



Press the button “∨” or “∧” to set the date. The selected date will flash.



The date setting is finished and the timer setting is prepared after pressing Timer button or CONFIRM button or do not press button for 10 seconds.



Press the button “∨” or “∧” to set the current time. Press repeatedly to adjust the current time in 1-minute increments. Press and hold to adjust the current time continuously.



ex.Monday 11:20



To complete the setting, press the CONFIRM button or do not press button for 10 seconds.



Time scale selection

Press the buttons “⌚” and “🕒” for 2 seconds. This will alternate the clock display between the 12hr & 24hr scale.

## 9. OPERATION

### To start/stop operation



Press the Power button.

### 8-degree heating function

(1:1 - Hi-Wall / DRCi)



When the heating mode is 16°C / 17°C / 20°C, press the 'down' button twice within 1 second to turn on the 8-degree heating function. Then press the Power, Mode, Adjust, Fan speed, Timer, and Swing button to cancel the 8-degree heating function.



**For some models, the 8-degree heating function can only be set by remote control, you can not choose this function by wired controller.**

### To set the operation mode

Operation mode setting (Heat mode is invalid for cooling only type unit).



Press this button to select the operation mode:



## Room temperature setting



Press the button “v” or “^” to set the room temperature.  
Indoor Setting Temperature Range:  
16/17~30°C or 20~28°C. (Model dependent)

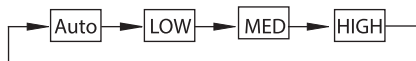


°C & °F scale selection (on some models).  
Pressing the buttons “^” and “v” for 3 seconds will  
alternate the temperature display between the °C & °F scale.

## Fan speed setting



Press the “Fan speed button” to set the fan speed.  
(This button is unavailable under Auto or Dry mode.)



## Keypad tone setting



Press the buttons “M” and “fan speed” together for 3  
seconds to turn the keypad tone on or off.

## ECO

There may be times when you need to manage and reduce the noise level emitted by your outdoor unit, possibly at night.

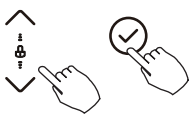
This feature gradually reduces the performance of your system over an eight hour period to around 50%.

The rotational speed of the compressor and outdoor fan assemblies slow down incrementally every two hours.

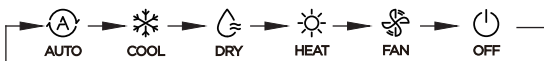
At completion of the ECO cycle your system will return to normal operation.

To activate ECO press the FUNC. button “” and then up/down arrows to highlight ECO, press the confirm button “” to select.

To cancel ECO prematurely press the Mode button “” and select the mode of operation.



Press the button “” or “” to set the operation mode, then press the Confirm button to confirm the setting.



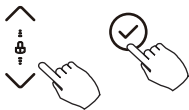
## SLEEP

This feature would typically be activated when heading off to sleep and run for eight hours. In Cooling mode the set point temperature will rise by 1°C in the first hour and another 1°C in the second hour. In Heat mode the set point temperature will decrease by 1°C in the first hour and another 1°C in the second hour.

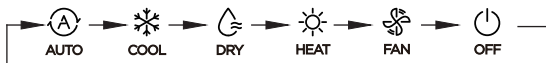
For the remaining six hours the setpoint temperature will remain unchanged and at completion of the cycle the system will return to normal operation.

To activate SLEEP press the FUNC. button “” and then up/down arrows to highlight SLEEP, press the confirm button “” to select.

To cancel SLEEP prematurely, press the Mode button “M” and select the mode of operation.



Press the button “∨” or “∧” to set the operation mode, then press the Confirm button to confirm the setting.



## GEAR

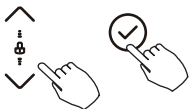
This feature like ECO will change the outdoor unit's compressor and fan assemblies rotational speeds.

The compressor rotation speed will reduce with a reduction of the compressor's frequency from 100% to 75%, 50% or OFF.

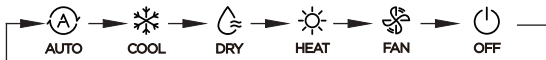
To activate GEAR press the FUNC. button “□□” and then up/down arrows to highlight GEAR, press the confirm button “✓” to select.

After five seconds the temperature setpoint screen will display, press the up/down arrows to increase/decrease the setpoint temperature then press the confirm “✓” button to save and action GEAR.

To cancel GEAR press the Mode button “M” and select the mode of operation.



Press the button “∨” or “∧” to set the operation mode, then press the Confirm button to confirm the setting.



---

## Child lock function



Press the “” and “” buttons for 3 seconds to activate the child lock function and lock all buttons on the wired controller.

You can't press the button to operate and receive the remote control signal after the child lock is activated.

Press these two buttons again for 3 seconds to deactivate the child lock function.

When the child lock function is activated, the “” symbol appears.

## Swing function (units with horizontal & vertical swing features) (1:1 & Multi – Hi-Wall)

### 1 Up-Down Swing



Press the “SWING” button to start Up-Down swing function. The “” symbol appears. Press again to stop.

### 2 Left-Right Swing

Press the “SWING” button for 2 seconds to activate Left-Right Swing function. The “” symbol appears. To stop, press again for 2 seconds.

## Swing function (units without vertical swing function) (1:1 & Multi – Hi-Wall)



- Use the “Swing” button to adjust the Up-Down airflow direction and start the auto swing function.

1. Each time you press this button, the louver swings at an angle of 6 degrees. Press this button until the desired direction is reached.
2. Press and hold the button for 2 seconds to activate the auto swing. The “” symbol appears. To stop, press button again (some units).

- For the units with four Up-Down louvers, it can be operated individually.

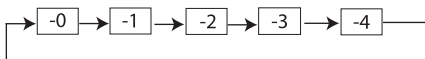


1. Press the Swing button to activate the Up-Down adjusting louver function.

The “” symbol will flash. (Not applicable on all the models.)

2. Pressing the button “” or “” can select the movement of four louvers. Each time you push the button, the louver will be selected in a sequence as:

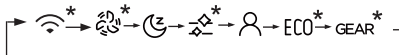
( means the four louvers move at the same time.)



3. Use Swing button to adjust the Up-Down airflow direction of the selected louver.



Press the FUNC. button to scroll through the operation functions as follows:



[\*]: Model dependent. If the indoor unit does not have this function, it will not display.

The selected function icon will flash, then press the Confirm button to confirm the setting.

## Turbo function



Under the COOL/HEAT mode, press the FUNCTION button to activate the turbo function. Press the button again to deactivate the turbo function. When the turbo function is activated the “” symbol appears.

## Active Clean

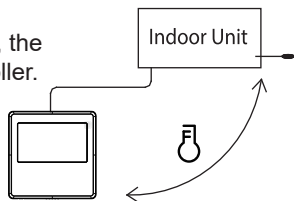


This process assists with cleaning the indoor coil and depending on the appliance it can take up to 90 minutes to complete.

## Follow me function indicator

Press the FUNCTION button to select whether the room temperature is detected at the indoor unit or the wire controller.

When the follow me function  symbol appears, the room temperature is detected by the wired controller. Press the button again to cancel the follow me function.



---

## 10. TIMER FUNCTIONS



### **WEEKLY Timer**

Use this timer function to set operating times for each day of the week.



### **On Timer**

Use this timer function to start air conditioner operation. The timer operates and air conditioner operation starts after the time has passed.



### **Off Timer**

Use this timer function to stop air conditioner operation.

The timer operates and air conditioner operation stops after the time has passed.

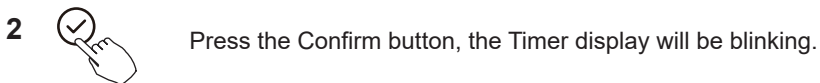
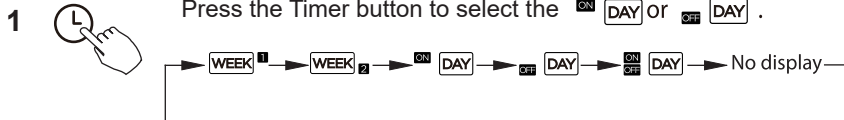


### **On and Off Timer**

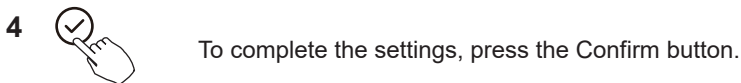
Use this timer function to start and stop air conditioner operation.

The timer operates and air conditioner operation starts and stops after the time has passed.

## To set the On or Off Timer



Press buttons “” or “” to set the time.  
After the time is set, the timer will automatically start or stop.



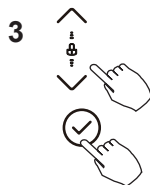
## To set the On and Off Timer



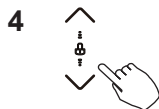
Press the Timer button to select the  



Press the Confirm button, the Clock display will be blinking.



Press the button “√” or “^” to set the time for On timer. Then press the Confirm button to confirm the setting.



Press the button “√” or “^” to set the time for Off timer.



To complete the settings, press the Confirm button.



**The secondary wired controller cannot set the timer.**

# 11. WEEKLY TIMER 1

## 1 Weekly timer setting



Press the Timer button to select the **WEEK** , then press the Confirm button to confirm the setting.

## 2 Day of the week setting



Press the button “” or “” to select the day of the week, then press the Confirm button to confirm the setting.



## 3 ON timer setting of timer setting 1



Press the button “” or “” to select the time of the On timer, then press the Confirm button to confirm the setting.





ex. Tuesday time scale 1

Up to 4 timer settings can be saved for each day of the week. It is convenient if the WEEKLY TIMER is set according to user's lifestyle.

#### 4 Off timer setting of timer setting 1



Press the button “V” or “^” to set the time for the Off timer, then press the Confirm button to confirm the setting.



ex. Tuesday time scale 1

- 5 Different timer settings can be set by repeating Steps 3 to 4.
- 6 Other days in one week can be set by repeating Steps 2 to 5.



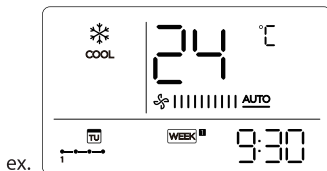
The weekly timer setting can be returned to the previous step by pressing the 'Back' button. The time on the Timer setting can be deleted by pressing 'Day off' button. If no interaction is recognised by the controller within 30 seconds, previous timer settings will be restored and withdrawn from the weekly timer setting.

## WEEKLY timer operation

To activate WEEKLY TIMER operation



Press the Timer button while **WEEK** is displayed on the LCD.



To deactivate WEEKLY TIMER operation

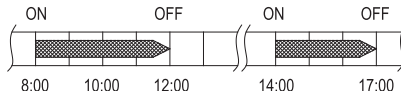


Press the Timer button when **WEEK** has disappeared from the LCD.

## To turn off the air conditioner during the weekly timer



1. By pressing the Power button once and quickly, the air conditioner will turn off temporarily. The air conditioner will turn on automatically when the time is shown on the On Timer.



ex. By pressing the POWER button once and quickly at 10:00, the air conditioner will turn on at 14:00

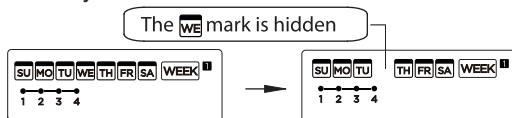
2. By pressing the Power button for 2 seconds, the air conditioner will turn off completely, simultaneously cancelling the timing function.

## To set for DAY OFF (for a holiday)

- 1  During the weekly timer setting, press the Confirm button.

- 2  Press the button “∨” or “∧” to select the day in this week.

- 3  Press the Day off button to set for DAY OFF.



ex.The DAY OFF is set for Wednesday

- 4 The DAY OFF can be set for other days by repeating Steps 2 and 3.

- 5  Press the Back button to return to the weekly timer.

To cancel, follow the same procedure as those for setup.



**The DAY OFF setting is cancelled automatically after the set day has passed.**

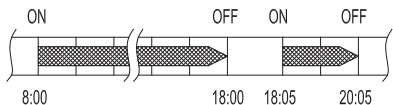
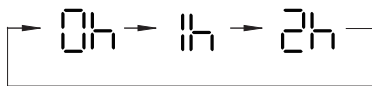
## Delay function



During the weekly timer, press the FUNC. button. Select the delay function and press the Confirm button. Display will show “0h” “1h” “2h” then wait 3 seconds to confirm. When the delay function is activated, the “⌘” symbol will appear.



The delay function can only be enabled in Weekly Timer 1 and Weekly Timer 2.



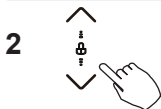
ex. By selecting “2h” at 18:05, the air conditioner will be delayed in turning off until 20:05.

## Copying setting from one day into another

A schedule once made may be copied from one day to another day of the week. The entire schedule of one selected day of the week can be copied.



During the weekly timer, press the Confirm button.

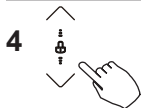


Press the button “∨” or “∧” to select which day to copy settings from.



3 Press the Copy button, the letters “CY” will appear on the LCD.

---



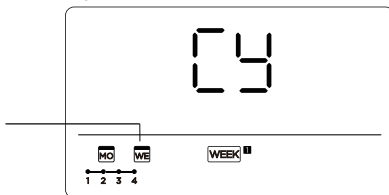
4 Press the button “∨” or “∧” to select the day to copy to.

---



5 Press the Copy button to confirm.

The **WE** mark flashes quickly



ex. Copy the setting of Monday to Wednesday

---

6 Other days can be copied by repeating Steps 4 and 5.

---



7 Press the Confirm button to confirm the settings.

---

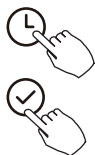


8 Press the Back button to return to the weekly timer.

---

## 12. WEEKLY TIMER 2

### 1 Weekly timer setting



Press the Timer button to select the **WEEK** , then press the Confirm button to confirm the setting.

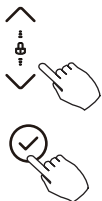
### 2 Day of the week setting



Press the button “” or “” to select the day of the week, then press the Confirm button to confirm the setting.



### 3 ON timer setting of timer setting 1

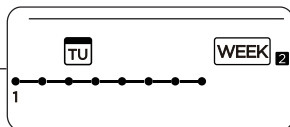


Press the button “” or “” to select the setting time. The setting time, mode, temperature and fan speed appear on the LCD. Press the Confirm button to confirm the setting.



Up to 8 scheduled events can be set on one day.

Various events can be scheduled in either **MODE**, **TEMPERATURE** and **FAN** speeds.



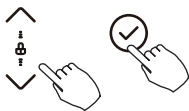
ex.Tuesday time scale 1

## 4 Time setting

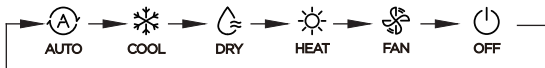


Press the button “∨” or “∧” to select the time, then press the Confirm button to confirm the setting.

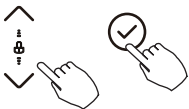
## 5 Operation mode setting



Press the button “∨” or “∧” to set the operation mode, then press the Confirm button to confirm the setting.



## 6 Room temperature setting\*



Press the button “∨” or “∧” to set the room temperature, then press the Confirm button to confirm the setting.

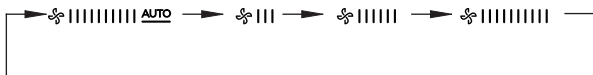
*\* This setting is unavailable in the FAN or OFF modes.*

## 7 Fan Speed Setting\*



Press the button “∨” or “∧” to set the fan speed, then press the Confirm button to confirm the setting.

*\* This setting is unavailable in the AUTO, DRY or OFF modes.*



**8 Different scheduled events can be set by repeating Steps 3 through to 7.**

**9 Additional days, in a one week period, can be set by repeating Steps 3 through to 8.**



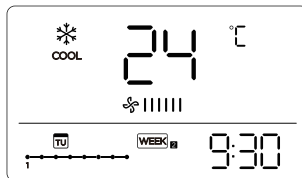
The weekly timer setting can be returned to the previous step by pressing BACK. The current setting will be restored. The controller will not save the weekly timer settings if there is no operation within 30 seconds.

## WEEKLY timer operation

### To start



Press the Timer to select the **WEEK** . The timer will start automatically.



ex.

### To cancel



Press the Power buttons for 2 seconds to cancel the timer mode.

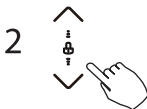


The timer mode can also be canceled by changing the timer mode by using the Timer.

### To set the DAY OFF (for a holiday)



After setting the weekly timer, press the Confirm button to confirm the setting.

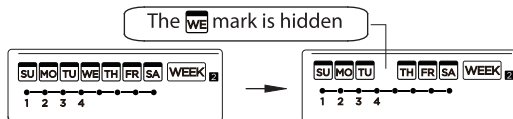


Press the button “” or “” to select the day of the week.

3



Press the Day off button to set for DAY OFF.



ex. The DAY OFF is set for Wednesday

4

The DAY OFF can be set for other days by repeating Steps 2 and 3.

5



Press the Back button to return to the weekly timer.

To cancel, follow the same procedure as those for setup.



**The DAY OFF setting is cancelled automatically after the set day has passed.**

### Copying setting from one day into another

A schedule once made may be copied from one day to another day of the week. The entire schedule of one selected day of the week can be copied.

1



During the weekly timer, press the Confirm button.



2 Press the button “∨” or “^” to select which day to copy settings from.

---



3 Press the Copy button, the letters “CY” will appear on the LCD.

---



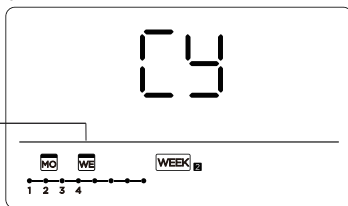
4 Press the button “∨” or “^” to select the day to copy to.

---



5 Press the Copy button to confirm.

The **WE** mark flashes quickly



ex. Copy the setting of Monday to Wednesday

---

6 Other days can be copied by repeating Steps 4 and 5.

---



7 Press the Confirm button to confirm the settings.

---

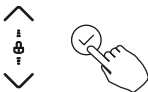


8 Press the Back button to return to the weekly timer.

---

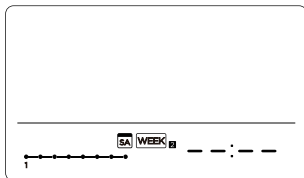
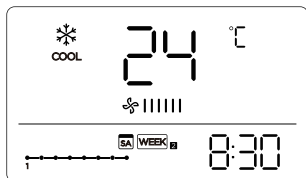
## Delete the time scale in one day

- 

During the weekly timer setting, press the Confirm button.
- 

Press the button “∨” or “∧” to select the day of the week.  
Press the CONFIRM button to confirm settings.
- 

Press the button “∨” or “∧” to select the setting time to be deleted. The setting time, mode, temperature and fan speed will appear on the LCD. The setting time, mode, temperature and fan speed can be deleted by pressing the DEL (day off) button.



ex. Delete the time scale 1 in Saturday

---

## 13. FAULT CODES

### Fault Alarm Handling

If the system does not properly operate except the above mentioned cases or the above mentioned malfunctions is evident, investigate the system according to the following procedures.

| No. | Definition of Fault                                             | Wall Control<br>Digital Display |
|-----|-----------------------------------------------------------------|---------------------------------|
| 1   | Error of communication between wired controller and indoor unit | E463                            |

If the error code appears, please have a service technician attend for service.

### Technical Requirements

EMC and EMI comply with the CE certification requirements.

## 14. 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.



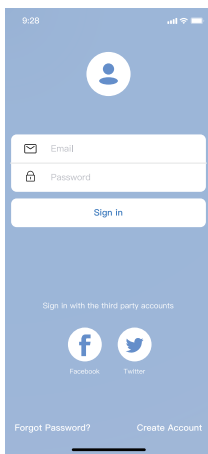
**Android**



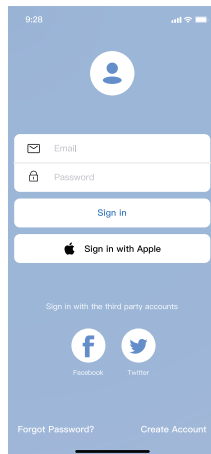
**iOS**

# 15. USER REGISTRATION

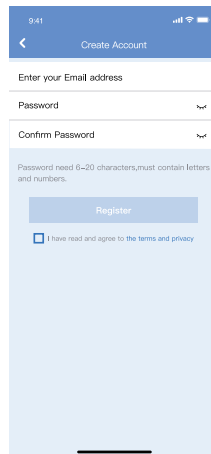
- Please ensure your mobile device is connected to the Wi-Fi router. Make sure the Wi-Fi router is connected to the internet before completing user registration and network configuration.
- It's better to log in your email box and activate your registration account by clicking link in case you forget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

## 16. 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 the FUNCTION button until the  icon is selected and then press the CONFIRM button. AP mode is activated if the  symbol 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.**



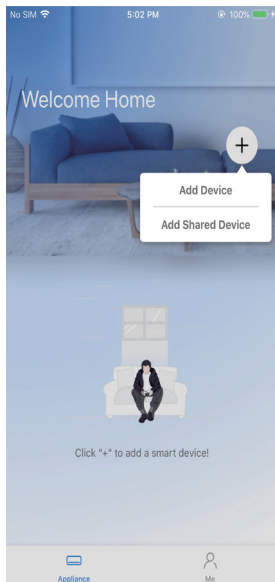
**There are two ways to complete the network configuration:**

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

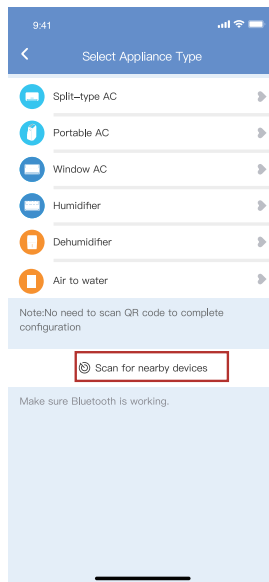
## Network configuration by Bluetooth scan



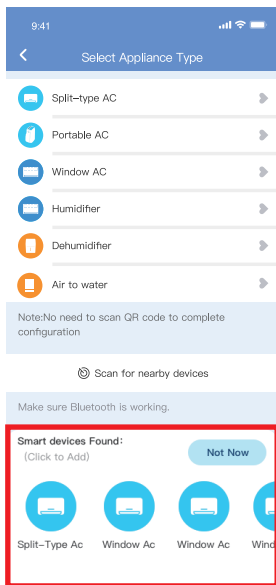
**Make sure the bluetooth function of your mobile device is switched on and working.**



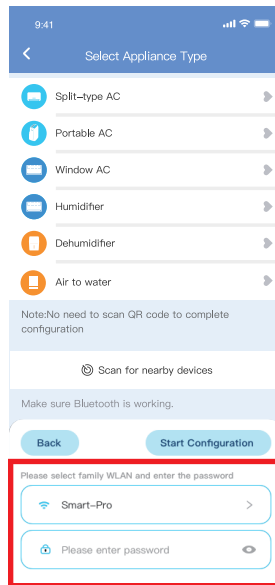
1. Open the APP and press “+ Add Device”.



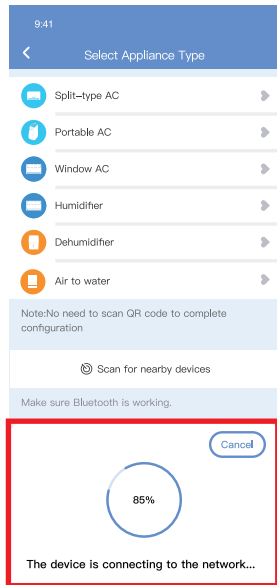
2. Press “Scan for nearby devices”.



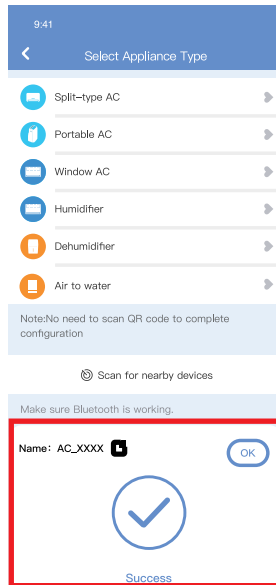
3. Wait for smart device to complete search, then click to Add Device.



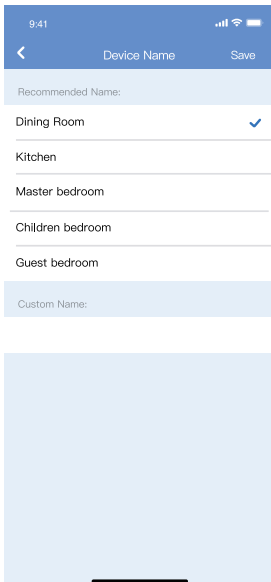
4. Select home Wi-Fi, enter your own Wi-Fi router password and click OK.



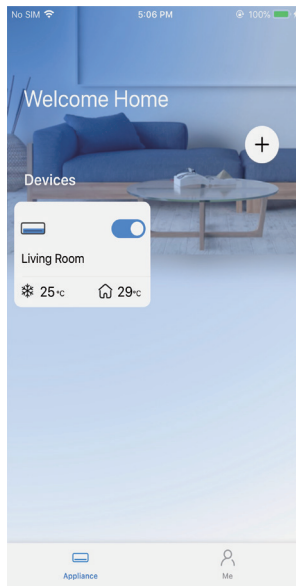
5. Wait for connection to the network.



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

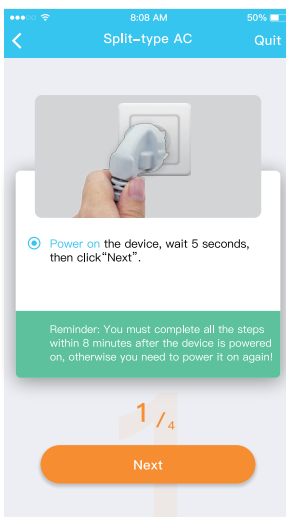
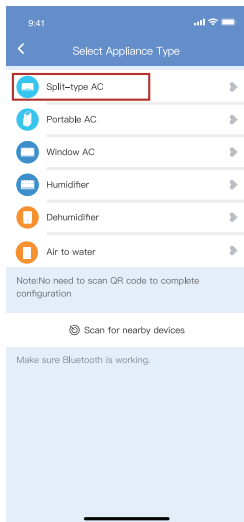


7. You can choose an existing name or customise a new name.

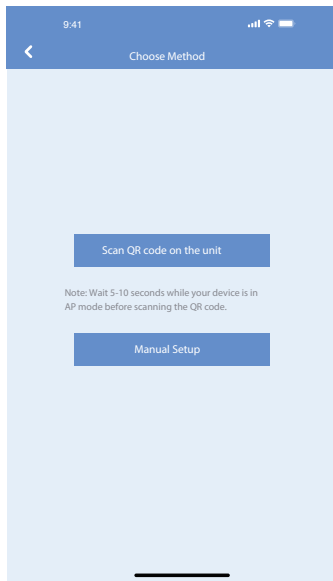


8. Bluetooth network configuration is successful, now you can see the device in the list.

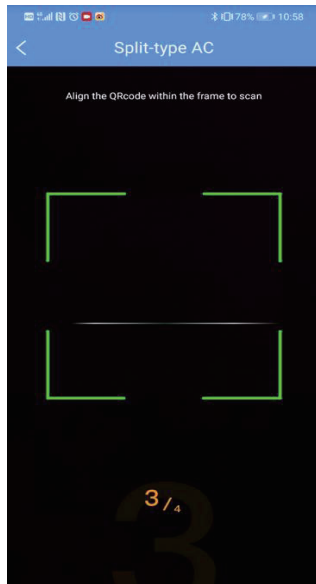
## Network configuration by selecting appliance type



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



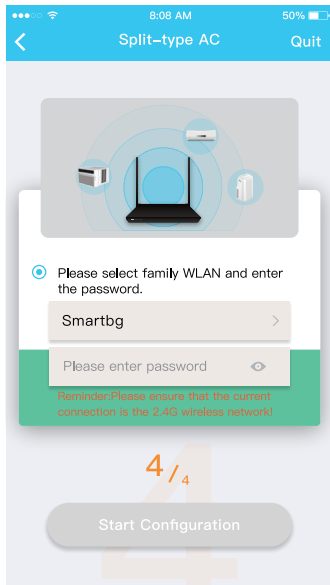
3. If choosing the network configuration method.



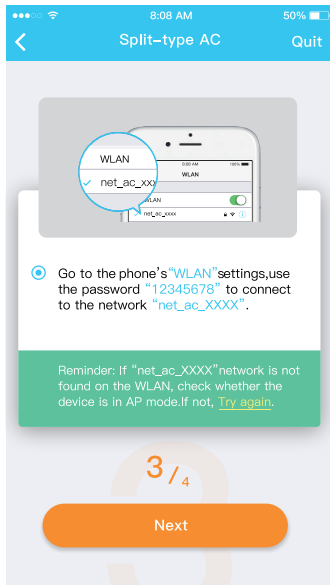
4. If choosing the “Scan the QR code” method.



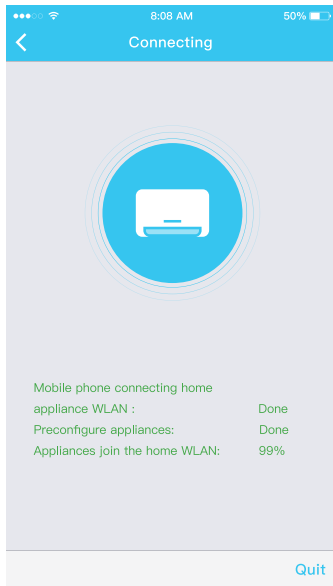
**Steps 3 and 4 are applicable to Android system only. iOS system does not need these two steps.**



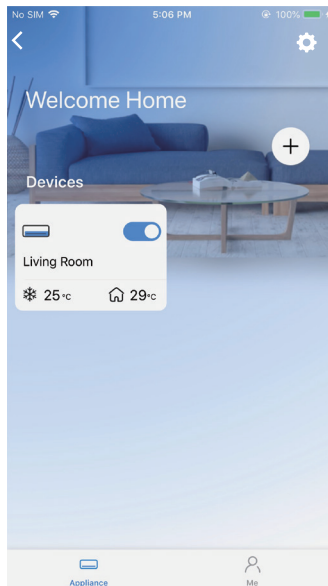
5. If choosing the “Manual Setup” method (Android). Connect to the wireless network (iOS).



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.

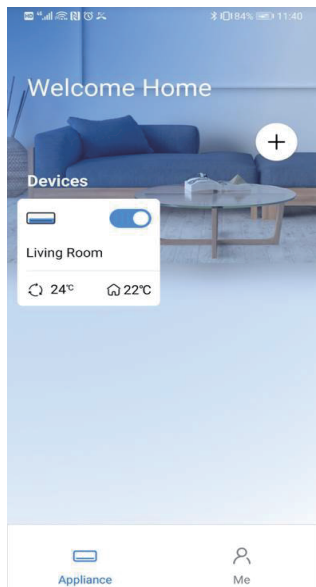
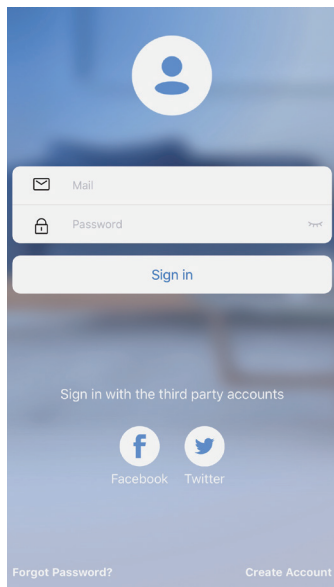


When finishing network configuration, APP will display “success” on the screen.

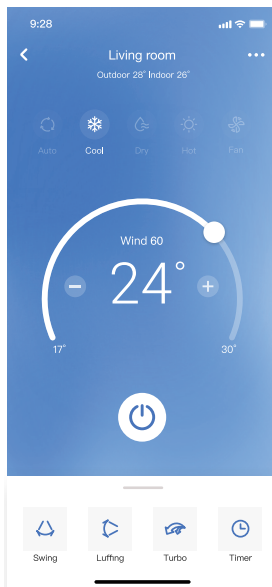
Due to changes in the internet settings, the device status may still display “offline”. If this occurs, refresh the device list on the APP and make sure the device status shows “online”. Alternatively, user can turn off the AC power and turn it back on again. The device status will become “online” after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

## 17. 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.



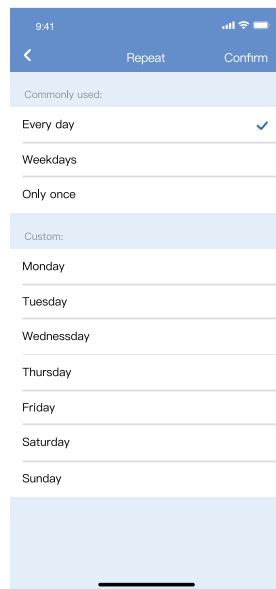
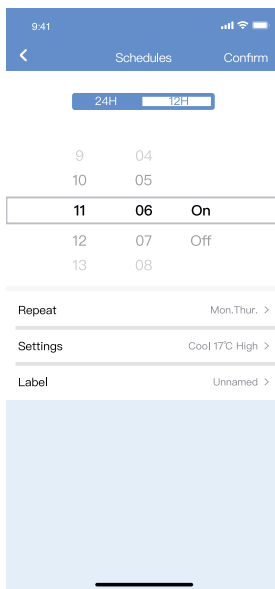
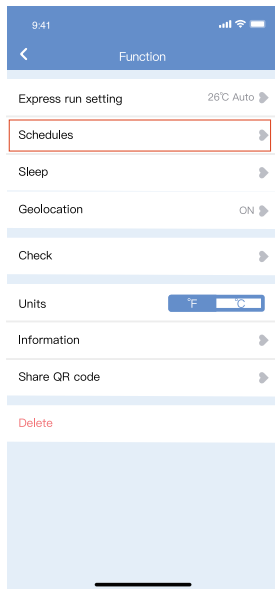
**NOTE**

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

# Special Functions

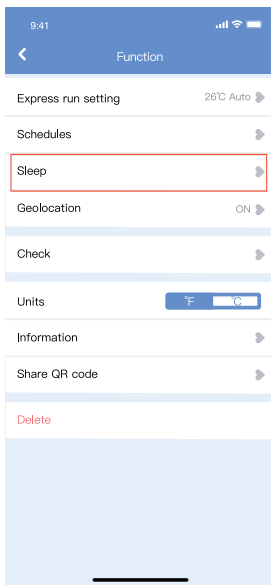
## ■ Schedule

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.**

---

## 18. 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 come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Our services come with guarantees that cannot be excluded under the Australian Consumer Law. 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](http://www.rinnai.com.au)

# Rinnai Australia Pty Ltd

ABN 74 005 138 769 | AU45204

82-88 Mills Road, Braeside, Victoria, 3195  
P.O. Box 460, Braeside, Victoria 3195  
Tel: (03) 9271 6625

## **National Help Line**

Tel: 1300 555 545\*

*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](http://www.rinnai.com.au)**  
or email **[enquiry@rinnai.com.au](mailto: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.