



中文

ENGLISH

ITALIANO

ESPAÑOL

FRANÇAIS

DEUTSCH

ČEŠTINA

POLSKI

PORTUGUÊS

РУССКИЙ ЯЗЫК

TÜRKÇE

# OWNER'S & INSTALLATION MANUAL AIR CONDITIONER

Make sure to read the "Safety Precautions" carefully prior to using this product.  
Please keep this manual where it can be accessed anytime by the user of the product.  
The product's warranty is included in this manual.

## **Deluxe Wired Remote controller**

Whisen installation license – When the product is being installed, make sure to check the installation technician's Whisen Installation License symbol of quality.  
Having a technician with a Whisen Installation License install the product will guarantee the product's best performance and lifespan.



MFL71781803  
Rev.07\_071824

www.lg.com  
Copyright © 2022 - 2024 LG Electronics Inc. All Rights Reserved.

## TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or reduce the cooling / dehumidifying functions.

## IMPORTANT SAFETY INSTRUCTIONS

### READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

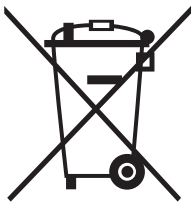
Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product.

#### WARNING

This symbol indicates potentially hazardous situation which, if not avoided could result in death or serious injury.

#### CAUTION

This symbol indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



#### Disposal of waste batteries/accumulators

1. This symbol may be combined with chemical symbols for mercury (Hg), cadmium (Cd) or lead (Pb) if the battery contains more than 0.0005% of mercury, 0.002% of cadmium or 0.004% of lead.
2. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.
4. For more detailed information about disposal of your old batteries/ accumulators, please contact your city office, waste disposal service or the shop where you purchased the product.  
(<http://www.lg.com/global/sustainability/environment/take-backrecycling/global-networkeurope>)



Hereby, LG Electronics declares that the radio equipment type Wired Remote Controller is in compliance with the relevant statutory requirements.

The full text of the UK declaration of conformity is available at the following internet address :  
<http://www.lg.com/global/support/cedoc/cedoc#>



Hereby, LG Electronics declares that the radio equipment type Remote Controller is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.lg.com/global/support/cedoc/cedoc#>

## **WARNING**

### **Installation**

- For electrical work, contact the dealer, seller, a qualified electrician, or an authorized service Center.
  - Do not disassemble or repair the product. There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- Request to the service center or installation specialty store when reinstalling the installed product.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- Do not disassemble, fix, and modify products randomly.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.
- The product shall be installed according to the national standards and local code.
- Apply totally enclosed noncombustible conduit in case of local building code requiring plenum.
- Use appropriate unit mounting procedures.
- Avoid direct sunlight.
- Avoid moist areas.

### **In-Use**

- Do not place flammable objects close to the product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Do not allow product to get wet.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Avoid dropping the product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- If product gets wet, contact your dealer or authorized service center.
  - There is risk of fire, electric shock, explosion, equipment malfunction, or injury.  
If the instructions are not followed, it may cause death or severe injury of the user.
- Do not use sharp or pointed objects on product.
  - There is risk of fire, electric shock, explosion, equipment malfunction or injury.
- Do not touch or pull the lead wire with wet hands.
  - There is risk of product breakdown or electric shock.

## **CAUTION**

### **Installation**

- If anyone other than a licensed professional installs, repairs, or alters LG Electronics air conditioning products, the warranty is voided.
  - All costs associated with repair are then the full responsibility of the owner.
- Do not install the unit in potentially explosive atmospheres.

### **In-Use**

- Do not clean using powerful detergents like solvent but use soft cloths.
  - There is risk of fire, electric shock, explosion, equipment malfunction or deformation.
- Do not press the screen using powerful pressure.
  - There is risk of product break-down or malfunction.

# TABLE OF CONTENTS

## **02 TIPS FOR SAVING ENERGY**

---

## **02 IMPORTANT SAFETY INSTRUCTIONS**

---

## **05 PRODUCT CONFIGURATION AND INSTALLATION OF REMOTE CONTROLLER**

---

- 05 Product Configuration
- 05 Installation of Remote Controller

## **07 STANDARD OPERATION**

---

- 08 View Screen
- 10 Standard Operation
- 13 Indoor Air Quality

## **16 ADDITIONAL FEATURES**

---

## **19 SCHEDULE- COMMERCIAL (STANDARD)**

---

- 19 Daily Schedule Status
- 19 View and Edit Schedule
- 19 Add Schedule
- 19 Delete Schedule
- 20 Exception Day
- 20 Schedule Initialization

## **21 SCHEDULE - RESIDENTIAL (US)**

---

## **24 TIMER**

---

- 24 Simple Timer
- 24 Sleep Timer
- 24 Turn-Off Reservation
- 24 Turn-On Reservation

## **25 ENERGY**

---

## **27 MONITORING**

---

## **28 SETTINGS**

---

- 28 General Settings
- 31 Air Conditioner / Ventilation Settings
- 36 Service Setup

## **37 INSTALLER SETTINGS**

---

- 38 Air Conditioner / Ventilation Installer Settings

## **47 USING THE LG THINQ APP**

---

## **47 WIRELESS LAN MODULE**

---

## **48 GUIDE TO DIFFERENT MODE OPERATION / OPEN SOURCE SOFTWARE**

---

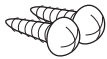
- 48 Different Mode Operation
- 48 Open Source Software Notice Information
- 48 FCC Notice
- 48 FCC RF Radiation Exposure Statement

# PRODUCT CONFIGURATION AND INSTALLATION OF REMOTE CONTROLLER

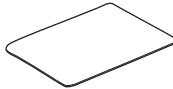
## Product Configuration



Remote controller



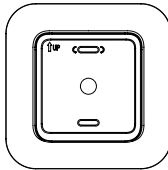
Remote controller fixing screws (2EA)



OWNER'S & INSTALLATION MANUAL



Connecting wire (1 EA)



Wall plate



Top and Back cover screws(1EA)

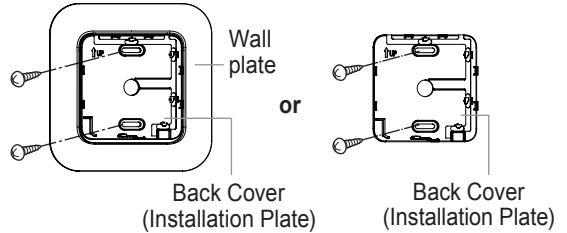
## Installation of Remote Controller

Follow the below guidelines for installing the remote controller.

### NOTE

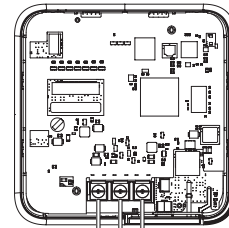
- During wired remote controller installation, do not embed inside the wall. (It may cause temperature sensor failure.) Do not install the cable over 50 m. (It may cause communication defects.)
  - When installing the extension cable, carefully check the direction of the connectors on the remote controller side and the product side before the installation.
  - Extension cable specification: Use AWG 24, 3 conductor equivalent or higher wired cables.
  - Do not install cables longer than 50 m, as this may cause communication problems.
  - Install the product so that it doesn't bend or cause a clearance with the wall.
  - Incorrect wiring can cause damage to the product.
  - To avoid damage by static electricity, touch the metal parts before handling the remote controller to discharge the static electricity from the body.
- \* 10 m Cable model: PCW-QE10A

- 1 Pull the cable from the wall and check the cable direction to install.
- 2 Align the back cover (installation plate) and check the positions of two mounting holes on the wall.
- 3 Fix the back cover on the installation position through the mounting holes by using screws.



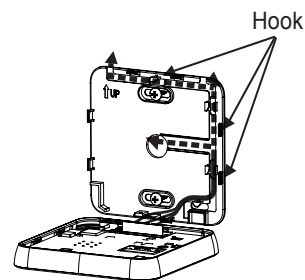
### NOTE

- Depending on your environment, you can install the remote controller neatly by placing the wall plate on the wall and tightening the back cover.
- 4 Connect the power cable to the terminal at the bottom of the remote controller as shown in the figure below.



GND / SIG / 12V

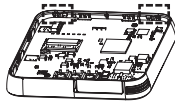
- 5 Place the lower part of the remote controller under the back cover, and fix the power cable to the back cover hook as shown in the figure below to the place where the power cable will come out of the back cover.



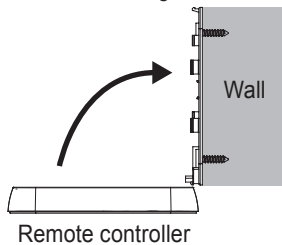
(Figure.1)

**6** You can install wired remote controller cable in 3 directions. Install in the direction suitable for installation environment.

- Connection direction for remote controller cable:  
Back center, left upper end, right upper end
  - When installing the remote controller cable on an upper side, first remove the remote controller cable guide groove before installing it.
- ※ Use a long nose pliers when removing the guide groove, and polish the cut surface after removing it.



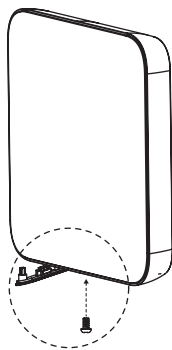
**7** Fix the power cable on the back cover hook, and press the upper side of the remote controller toward the back cover as in the figure.



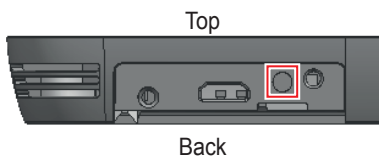
**NOTE**

- Failure to follow the guidelines #5 may result in part damage due to interference with the mechanical.
- Be careful not to let the power cable pass over the wireless equipment.

**8** Screw the top and back covers and close the cover at the bottom

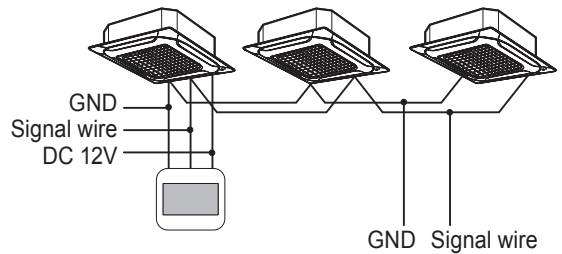


- Use 'Top and Back Cover screw'



**Using Group Control**

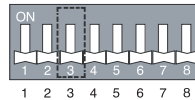
Connect two to 16 indoor units of air conditioner to a single controller for control.



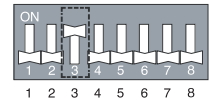
**NOTE**

- Connect using the group control cable.  
(Model : PZRCWRG3)
- When using the group control, some advanced functions (excluding basic operation setting, fan speed, lock, and time setting) may be limited.

**1** Set one indoor unit to Master and the remaining to Slave.



#3 Switch OFF: Master  
(Default setting for shipment)



#3 Switch ON: Slave

**NOTE**

- For ceiling cassette and duct products, change the switch setting of the indoor PCB as above.
- For wall-mount type and stand type product, change the Master / Slave setting with the wireless remote controller.

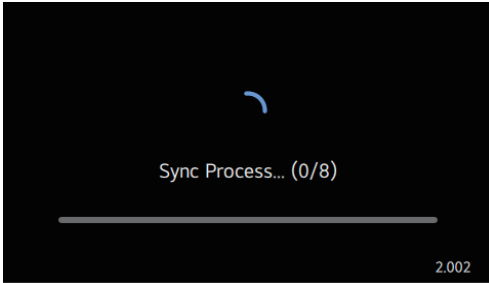
**2** After completing the Master / Slave setting, turn off the power of the indoor unit, and turn on the power after 1 minute.

**NOTE**

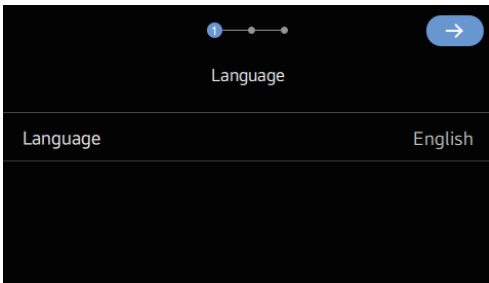
- 2 wired remote controllers to 1 IDU is not supported.




# STANDARD OPERATION

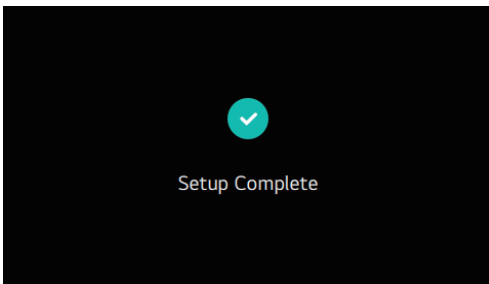
- 1 The welcome screen will be displayed after synchronizing with the indoor unit. Booting may require up to 90 sec.



- 2 Please check the settings displayed on the screen and set them up.



- 3 When completely setting the installation wizard, the  button is changed into the  button, and if you press the  button, the installation is done.



Function	Description
Language	A function to set the language displayed on the remote controller.
Time Zone	Set the time zone, date, time, and time format displayed on the remote controller.
Date	
Time	
Time Format	
Schedule Type	<p>A function that allows the product to automatically operate on the specified date and time.</p> <ul style="list-style-type: none"> <li>– Commercial (Standard): Reserve the operation status of the product at the desired time.</li> <li>– Residential (US): Set a 24-hour continuous schedule according to the Home / Sleep / Away / Awake conditions. (It is recommended for customers who are accustomed to using North American thermostats.)</li> </ul>
Setpoint Type	<p>You can set the desired temperature setting method to single or dual.</p> <ul style="list-style-type: none"> <li>• Single type: You can set the desired temperature of only one operating mode. <ul style="list-style-type: none"> <li>– If you choose to operate cooling, you can only set the desired temperature for cooling.</li> <li>– If you choose to operate heating, you can only set the desired heating temperature.</li> </ul> </li> <li>• Dual type: You can set the desired temperature of cooling and heating operation modes at the same time. <ul style="list-style-type: none"> <li>– It is recommended for customers who are accustomed to using North American thermostats.</li> </ul> </li> </ul>
Temperature Unit	A function to set the temperature unit displayed on the remote controller.
Screen Saver	A function to control the screen OFF time and brightness of the remote controller.
Humidity Display	A function that determines whether to display the humidity on the Standby Screen.
Auto return to main screen	A function that determines whether to use auto return to the main screen when there is no touch input for a certain period of time.
Sound	A function to set whether to output a sound when screen touch input is given.

## NOTE

- If you do not complete the installation wizard, the installation wizard will run every time you boot it.
- After completing the installation wizard, you can check it in “Setup → Service → Installation Wizard”. However, the “Schedule Type” cannot be reset when the installation wizard is complete. (The “Schedule Type” can be reset when “Setup → Installer Setup → Factory Data Reset”.)
- Refer to the general settings and schedule page for detailed setup instructions.
- Even if you turn off the power and then turn on it, the booting may require up to 90 sec.

## View Screen

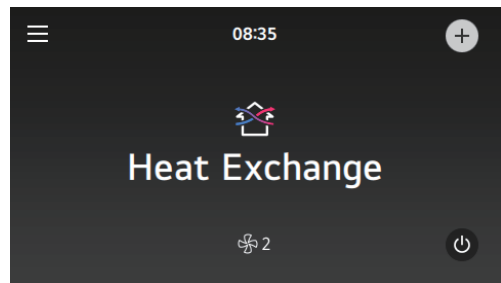
The wired remote controller displays the following screens in accordance with the schedule method set in the installation wizard and the connected indoor unit.

### Commercial (Standard) Setting

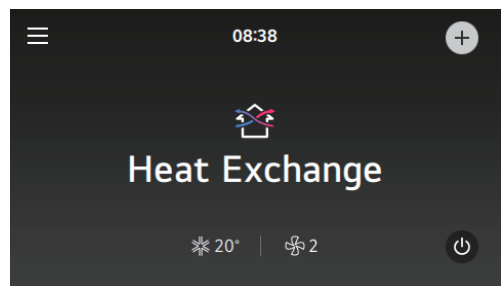
#### 1 Air Conditioner



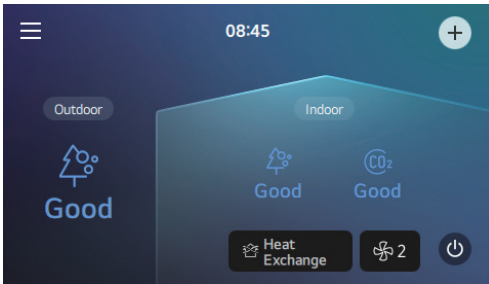
#### 2 General Ventilation



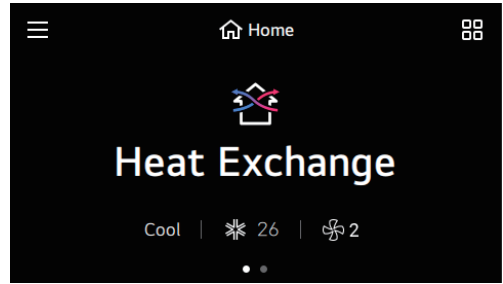
#### 3 DX Ventilation



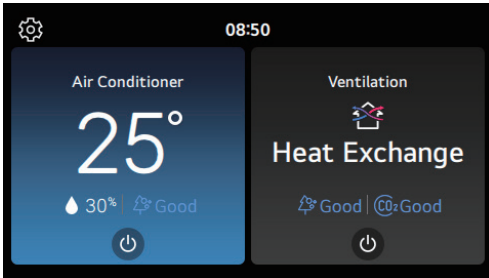
#### 4 Residential ERV



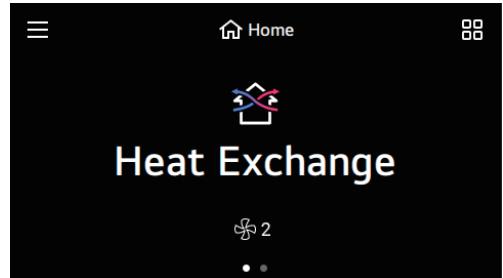
#### 3 DX Ventilation



#### 5 Air Conditioner / Ventilation Interlock



#### 4 Residential ERV

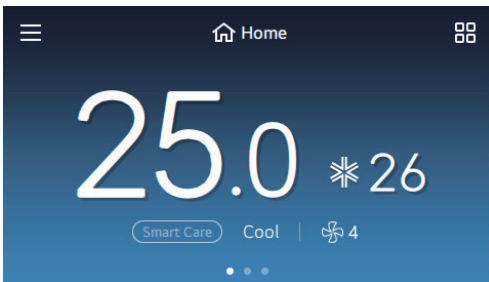


#### NOTE

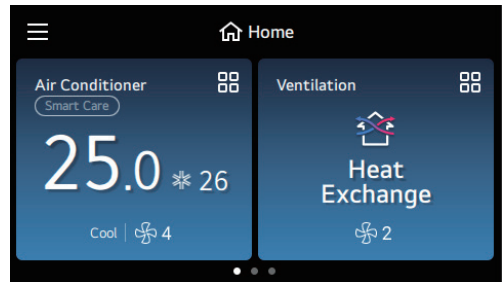
- Please check the detailed description of each screen in the detailed description page.

#### Residential (US) Setting

#### 1 Air Conditioner



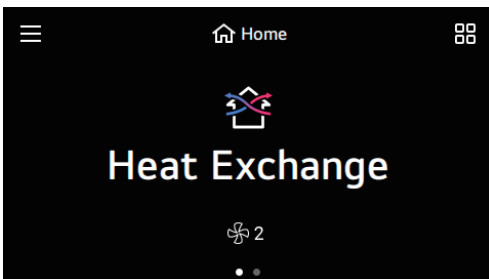
#### 5 Air Conditioner / Ventilation Interlock



#### NOTE

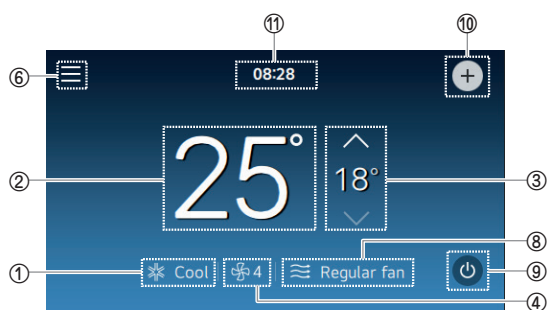
- Please check the detailed description of each screen in the detailed description page.

#### 2 General Ventilation

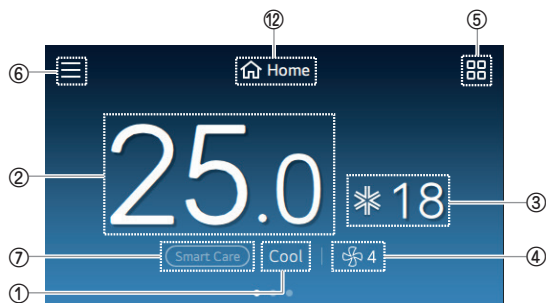


# Standard Operation

## Operating Information



<Commercial (Standard) Setting>



<Residential (US) Setting>

### ① Operation Mode

Select the operation mode to set the desired mode.

- Details of operation mode

Operation Mode	Description
Cool	It cools down the room with pleasant and fresh air.
Heat	It provides a warm breeze to the room.
Auto	The product automatically switches between cooling and heating to provide desired temperature to the room.
Dry	It removes moisture while providing weak cooling.
Fan	The IDU runs the fan only Thermal off condition.
Emergency Heater	You select set to use the emergency heater, you can select the emergency heater mode to use the heater.
Air Purify	Operates air purifier only.
Power Heat	Power heating rapidly increases the room temperature.
Power Cool	Power Cool rapidly reduces the room temperature.
Himalaya Cool	The local special function applied to models in the India region quickly reduces room temperature.
M'Dry	A local special dehumidification function applied to models in India.
Stop	The indoor unit stops working. - Residential (US) only.

### NOTE

- The reason why the cool air isn't coming out immediately after cooling is started is because of its function to protect the compressor. After 3 minutes, the compressor operates, and a cold air comes out.
- The emergency heater is activated under emergency heating conditions after the installation and related settings.
- Depending on the product, some functions cannot be set.

### ② Room Temperature

Displays room temperature.

### ③ Set Temperature

The set temperature area for the current operation mode is displayed.






Setpoint Type	Operation Mode	Setting Temperature
Single	Cool	16 ~ 30 °C (60 ~ 86 °F)
	Heat	16 ~ 30 °C (60 ~ 86 °F)
	Auto	Exclusive model for cooling Cold, Little Cold, Fine, Little Hot, Hot
Dual	Auto	Model for both cooling / heating 18 ~ 30 °C (64 ~ 86 °F)
	Auto	Cool 10 ~ 37.5 °C (50~99 °F) Heat 4 ~ 32 °C (40~90 °F)

### NOTE

- When using the dehumidification / fan mode operation, you cannot set the desired temperature.
- The setting temperature may vary depending on the type of indoor unit.

#### ④ Fan Speed


Select a wind strength icon and select a desired wind strength in the options list.

	Super Low
	Low
	Med
	High
	Power
	Auto

#### NOTE

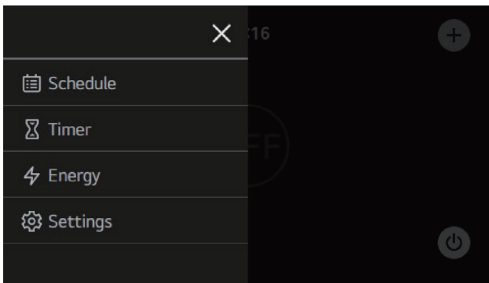
- Depending on the product, some functions cannot be set.

#### ⑤ Additional Functions

You can use additional functions. Please refer to the additional functions detailed description page. In the commercial (Standard), it can be set by selecting the  floating button.

#### ⑥ Menu

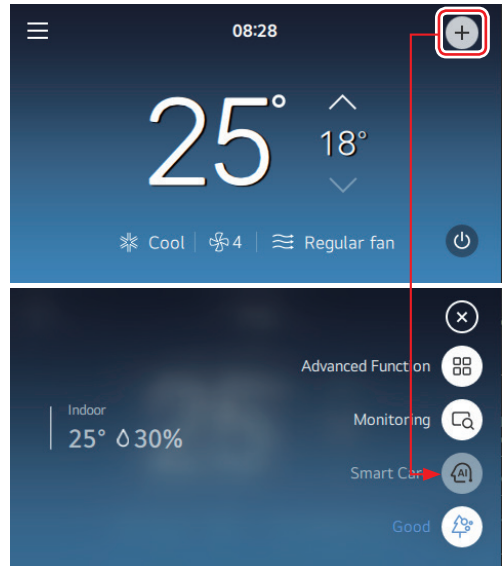
Select the menu icon to enter the schedule, reservation, energy, and setting menus.



#### ⑦ Smart Care

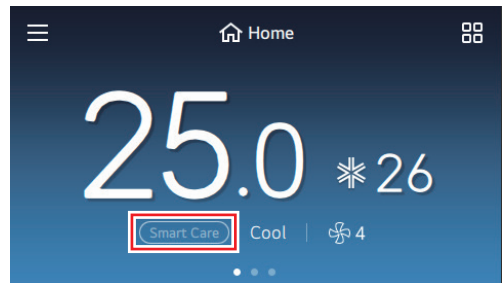
This is a function that manages the indoors pleasantly and saves energy through AI operation.

- Select the floating icon to enter the floating menu and then select the Smart Care icon to use the functions.



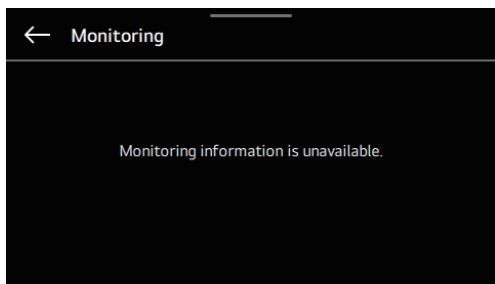
<Commercial (Standard) Setting>

- Select the Smart Care icon to use the functions.



<Residential (US) Setting>

- When the operation condition is not Smart Care, the standby status is displayed as below.



**NOTE**

- The Smart Care may not be displayed/run in some products.
- The Smart Care only runs when the product is cooling or heating.
- You may feel that cooling or heating are weak due to the power saving operation of the Smart Care.
- Set the date and time precisely for the remote control and the central controller when installing the AI engine.
- If you do not set the date and time, it may display an incorrect result value.
- The site connected to our central controller prioritizes the date and time settings of the central controller above those of the wired remote control.
- If a model for both cooling/heating, the Smart Care is not available during simultaneous cooling and heating operation.

**⑧ Wind Direction**

You can conveniently control the airflow direction as you wish.  
 In the residential (US), you can select ⑤ advanced function and set them.

**NOTE**

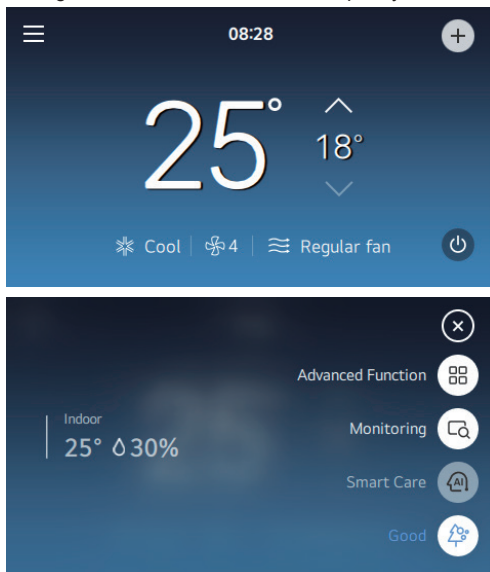
- Some airflow directions may not be available depending on the product functions.

**⑨ Start / Stop Button**

You can turn on / off the indoor unit with the remote controller.

**⑩ Floating Button**

Select the floating icon to enter the additional functions, monitoring, Smart Care, and indoor air quality menus.



**⑪ Current Time**

Displays current time.

**⑫ Schedule Status**

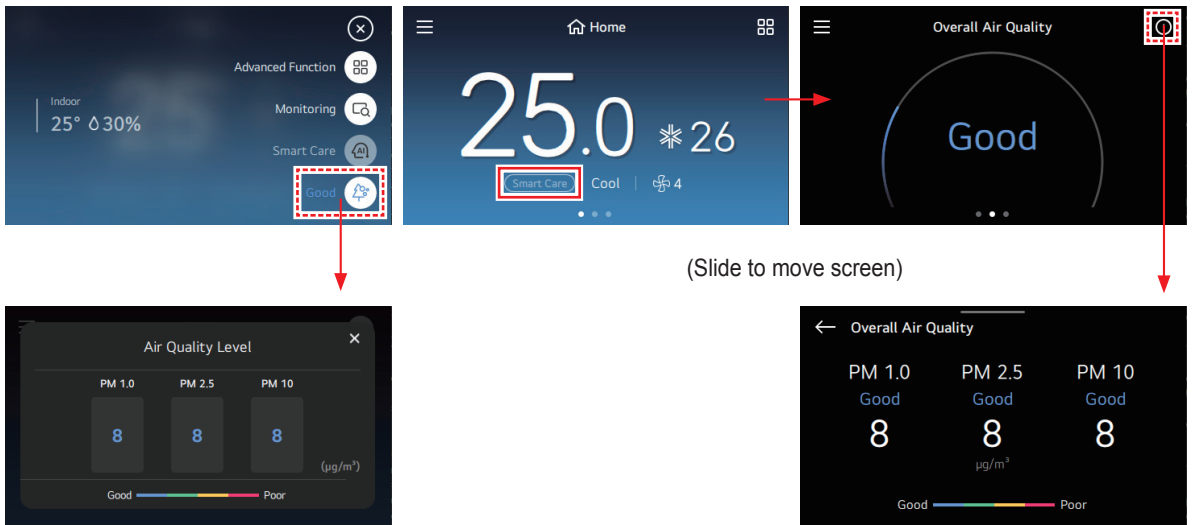
Displays the status of the currently operating schedule.

# Indoor Air Quality

A function to monitor the dust value measured by the dust sensor in the indoor unit. You can check the concentration value of each of fine dust (PM 10), ultrafine dust (PM 2.5), and extreme ultrafine dust (PM 1.0) on the air quality screen. The general quality displays the worst dust status value among the three dust status values.

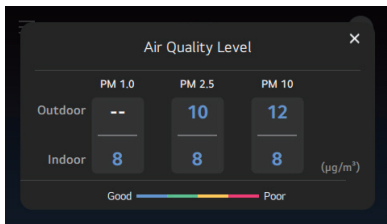
## Commercial (Standard) Setting

## Residential (US) Setting



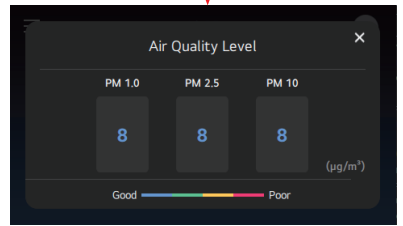
When Connect to Weather is enabled in the indoor unit

When Connect to Weather is disabled in the indoor unit



### NOTE

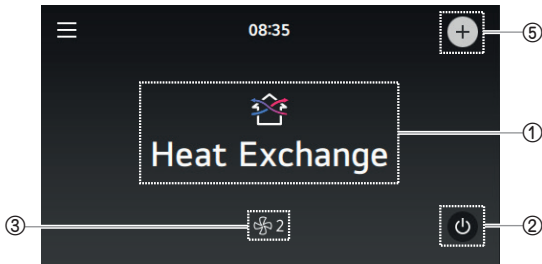
- The product has a function to operate Connect to Weather, and the outdoor air quality is displayed on the Air Quality screen.
- Outdoor air quality is displayed as outdoor fine dust (PM 10) and outdoor ultrafine dust (PM 2.5).
- During group control, information on the Master indoor unit is displayed on the screen.



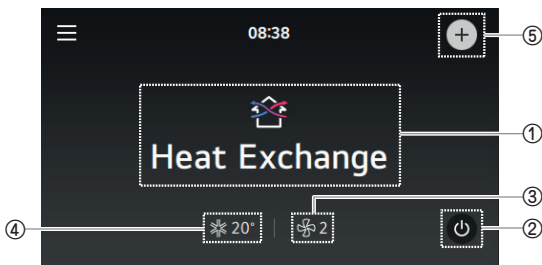
# Ventilation

## Commercial (Standard) Setting

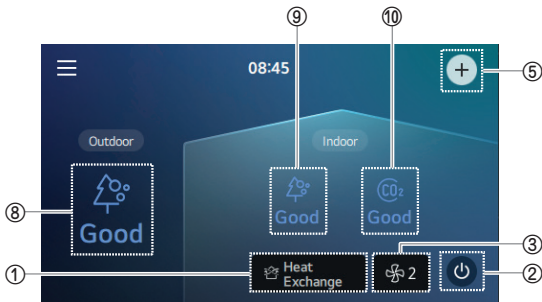
### 1 General Ventilation



### 2 DX Ventilation

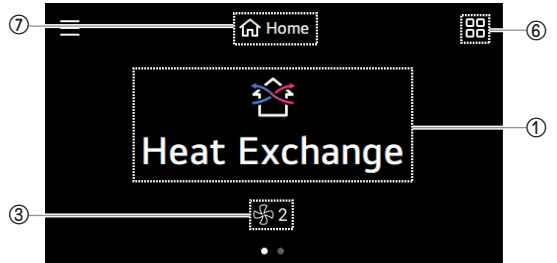


### 3 Residential ERV

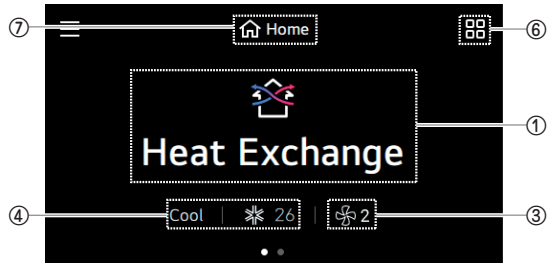


## Residential (US) Setting

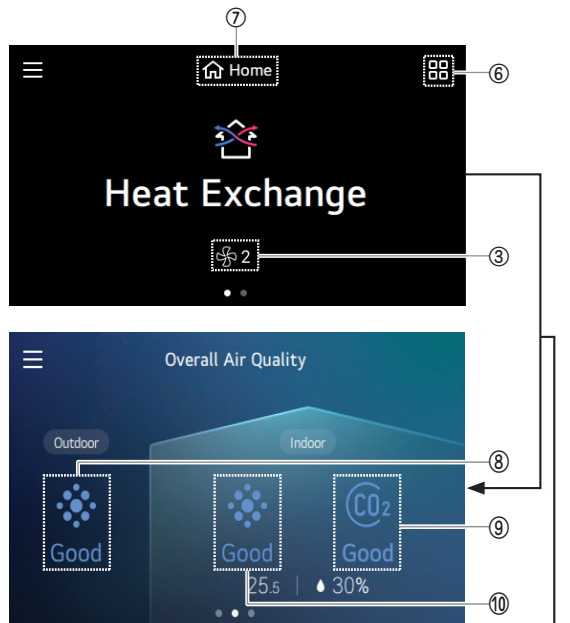
### 1 General Ventilation



### 2 DX Ventilation



### 3 Residential ERV



(Slide to move screen)

### ① Operation Mode

Select the operation mode to set the desired mode.

Select OFF from the options list to stop operation.

- Details of operation mode




Operation Mode	Description	Applicable models
Cool	It cools down the room with pleasant and fresh air.	DX exclusive
Heat	It provides a warm breeze to the room.	DX exclusive
Auto	The product automatically switches between cooling and heating to provide desired temperature to the room.	DX exclusive
Bypass	A mode in which the exhausted air is ventilated without mechanical heating or cooling- Economizer mode. It is proper for spring or fall or when the room pollution is severe.	All models
Heat Exchange	A mode to ventilate using mechanical heating or cooling for both air supply / air exhaust. Good for summer or winter when the difference in temperature between indoors and outdoors is high.	All models
Auto	The room temperature and the outdoor temperature of the ventilation system are measured and the optimal ventilation mode is run automatically.	All models

### ② Start / Stop Button

You can turn on / off the indoor unit with the remote controller.

### ③ Fan Speed

Select a wind strength icon and select a desired wind strength in the options list.

	Low
	High
	Power
	Auto

### NOTE

- You can select Manual when the CO<sub>2</sub> sensor is connected when the wind strength auto is set.

### ④ Air Conditioner Mode and Desired Temperature

Set the air conditioner operation mode (cooling / heating / auto) and the desired temperature.

### ⑤ Floating Button

Select the floating icon to enter the additional functions and monitoring menus.

### ⑥ Additional Functions

You can use additional functions. Please refer to the additional functions detailed description page.

### ⑦ Schedule Status

Displays the status of the currently operating schedule.

### ⑧ Outdoor Air Quality

It shows the fine dust concentration of the air that is filtered through the product and brought inside.

It is displayed as fine dust (PM 10), ultra fine dust (PM 2.5), and extreme ultrafine dust (PM 1.0)

### ⑨ Indoor Air Quality

It shows the fine dust concentration of the indoor air.

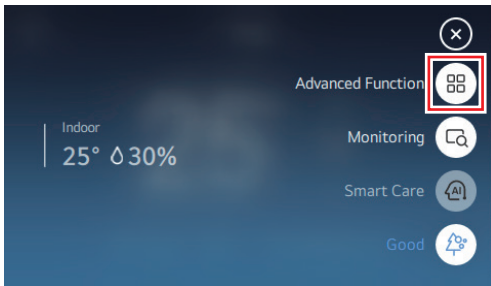
It is displayed as fine dust (PM 10), ultra fine dust (PM 2.5), and extreme ultrafine dust (PM 1.0).

### ⑩ CO<sub>2</sub> (Carbon dioxide)

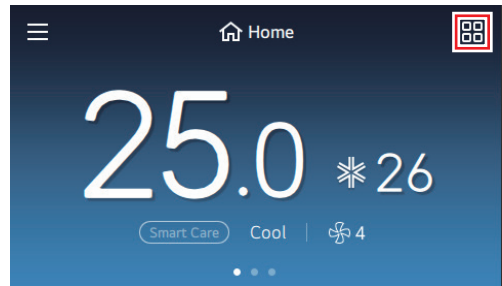
Displays the room CO<sub>2</sub> concentration (ppm).

# ADDITIONAL FEATURES

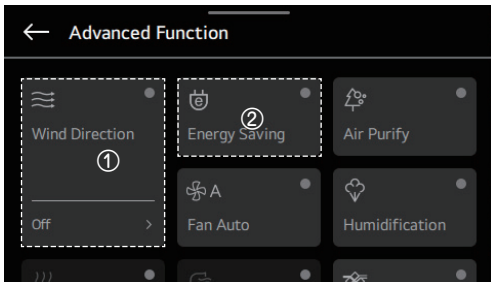
You can use the additional functions of the product.



Commercial (Standard) Setting



Residential (US) Setting



Additional Functions

- ① The functions of the large buttons need detailed settings other than Setting and Cancel.  
Tapping an area above the item changes the set ↔ cancel status and tapping an area below moves to the Setup Details page.
- ② You can select only select Setting or Cancel for the functions of small buttons without detailed settings.

## NOTE

- Depending on the product, there may be features that are not supported.
- The color of the icons on the screen changes according to the setting status.  
Setting (On): ● Cancel (Off): ●

Function Name	Air Conditioner	Ventilation	Description	Note & Option
Electric Heater	<input type="radio"/>	<input type="radio"/>	A function to enhance the heating capacity by turning on the electric heater for heating operation. Available only during the heating operation.	ON / OFF
Energy Saving	<input type="radio"/>		Power-saving cooling is the function to adjust the desired temperature during cooling operation to enhance the comfort of the user and improve the power-saving performance.	ON / OFF <ul style="list-style-type: none"> <li>It's only possible when you're operating with cooling.</li> <li>You cannot set the Power-saving cooling, Concentration-adding wind, and the Auto custom wind functions at the same time.</li> </ul>
Fan Auto	<input type="radio"/>	<input type="radio"/>	A function to set for the operation of the indoor unit fan when the indoor unit is thermal off.	ON / OFF <ul style="list-style-type: none"> <li>When it is set to be ON, the indoor fan works when the product is working, and when the room temperature reaches the desired temperature and the outdoor unit stops, the indoor fan stops as well.</li> </ul>
Comfort Cooling	<input type="radio"/>	DX	A function to automatically control the cooling strength and keep pleasant feeling without turning off the product even after the room temperature has reached the desired temperature.	ON / OFF <ul style="list-style-type: none"> <li>The Comfort power-saving function is available only when the product is cooling.</li> </ul>
Ventilation Kit	<input type="radio"/>		A function to set the operation for the ventilation kit which can be additionally installed on the indoor unit.	ON / OFF
Cooling By Ventilation	<input type="radio"/>		A function to save energy by using cool outdoor air when the ventilation product is interlocked and the cooling operation is working.	ON / OFF <ul style="list-style-type: none"> <li>The ventilation-interlock power-saving cooling function can work only when the air conditioner product is cooling and the ventilation product is operating.</li> </ul>
Air Purify	<input type="radio"/>	<input type="radio"/>	It makes the indoor air clean and pleasant.	ON / OFF <ul style="list-style-type: none"> <li>The air cleaning function is available only when the product is operating.</li> <li>When connected to the air cleaning-only model, it can work even when the product is not working.</li> </ul>
Robot Cleaning	<input type="radio"/>		A function to automatically clean the filter using a cleaner on the product when the air conditioner has been used for a certain period of time. It can be set 30 seconds after the operation stops.	ON / OFF

Function Name	Air Conditioner	Ventilation	Description	Note & Option
Humidification	<input type="radio"/>	<input type="radio"/>	A function to operate the humidifier on the product when the room is dry.	ON / OFF
Mosquito Away	<input type="radio"/>		Set operation / stop of mosquito away function.	ON / OFF
Zone Control	<input type="radio"/>		A function available when a duct-type air conditioner product is linked. You can set up to eight zones and control the operation of each zone.	<p>The function can be used actively only when the zone type and the number of zones are set.</p> <ul style="list-style-type: none"> <li>The duct-type air conditioner product supports the zone control function and an additional damper control apparatus is required to perform the zone control.</li> <li>Differences according to zone type <ul style="list-style-type: none"> <li>- Old type: Only the zone operation status using the wired remote controller can be checked.</li> <li>- New type (4 zones or 8 zones): The zone control and monitoring are available through the wired remote controller.</li> </ul> </li> </ul>
Fast		<input type="radio"/>	It quickly ventilates the room. A function that operates the ventilation function more efficiently through the express setting of ventilation products.	On / Off
eSave		<input type="radio"/>	Ventilates efficiently while also saving power.	On / Off
Wind Direction	<input type="radio"/>		<p>You can conveniently control the airflow direction as you wish.</p> <ul style="list-style-type: none"> <li>- Schedule method: Select Commercial to set the airflow direction on the Main Screen.</li> </ul>	Up / Down Swing Left / Right Swing Up / Down / Left / Right Swing Swirl Indirect Wind Direct Wind Human Detection Indirect Wind Human Detection Direct Wind Auto Temp Wind Study Wind Airflow For Frequently Used Areas Airflow Based On Activity Forest Wind Long Power Wind Manner Wind

# SCHEDULE- COMMERCIAL (STANDARD)

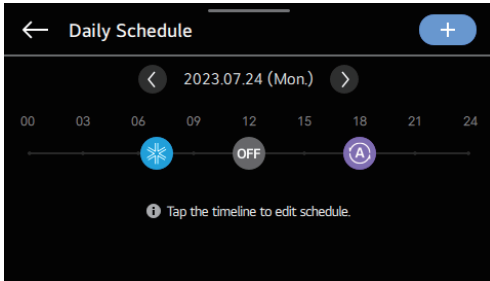
The schedule function displayed when you select the Commercial schedule method.

Select the Schedule in the menu screen and move to the schedule settings screen.

Select the menu to set in the schedule settings screen and you can move to the details screen.

## Daily Schedule Status

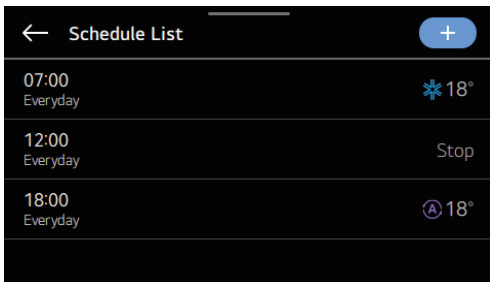
A function to check the schedule status saved in the remote controller.



- ① If a schedule is programmed, the operation mode icon is displayed on the time line at the scheduled time.
- ② An inactivated schedule is not displayed on the time line.
- ③ If various schedules are programmed within one hour, is displayed instead of the operation mode icon.
- ④ If you select , you can check the all the schedules within the hour by selecting the left or the right button in the booking details on a lower end of the screen.

## View and Edit Schedule

A function to check the schedule status saved in the remote controller.

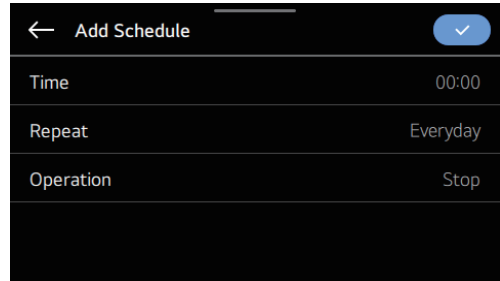


You can check the operation information (operation ON / OFF, operation mode, desired temperature) of the set schedule, the schedule time, period, and day.

You can edit it by selecting the booking information of the saved schedule.

## Add Schedule

You can add a schedule saved in the remote controller.

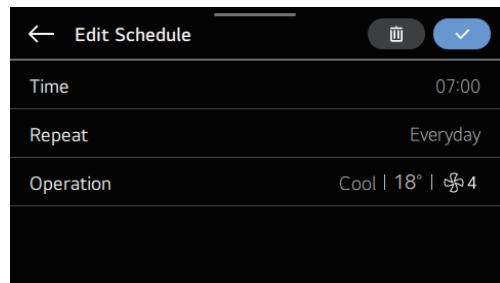


- ① You can add a new schedule by selecting the '+' button.
- ② You can set the time for performing the scheduled operation in the 'time settings.'
- ③ You can set the day or period for operating the schedule in the 'repeat' settings.
- ④ You can set the operation information for the schedule in the 'operation settings.'  
- When the operation is OFF, you cannot set the mode, temperature, and the fan speed.

If you have completed adding the schedule by performing ① through ④ and pressing the button, a message saying 'the schedule is added' appears and you are moved to the schedule view and edit screen.

## Delete Schedule

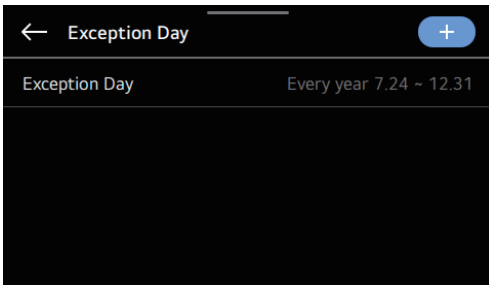
You can delete the schedule stored in the remote controller.




You can select the schedule event to be deleted in the schedule list and press the button to delete it.

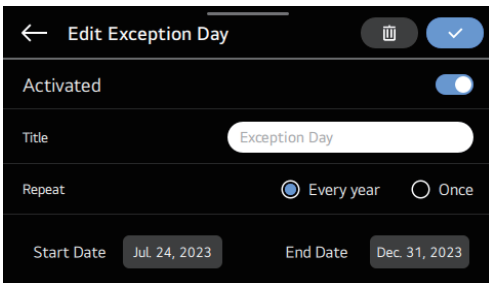
## Exception Day

A function to automatically stop operation on the preset date.



- ① Select the Designate Exception Date item in the schedule list, and you are moved to the details screen for Designate Exceptional Date.
- ② You can check, add, modify, or delete the exceptional date information stored in the remote controller in the Designate Exceptional Date.
- ③ To add an exception date, designate the start / end date on the details screen for registering the exceptional date, and press the  button. Then, the exceptional date is stored.

Press the exceptional date to be edited, and move to the edit screen.

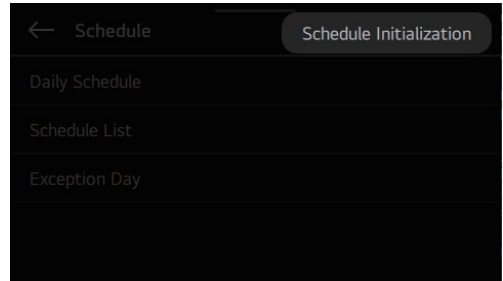


### NOTE

- Activate: Set the activate / inactivate of the selected exceptional date.
- Title: Change the title of the selected exceptional date.
- Repeat: Modify the repeat or non-repeat of the selected exceptional date.
- Period: Modify the period of the selected exceptional date.

## Schedule Initialization

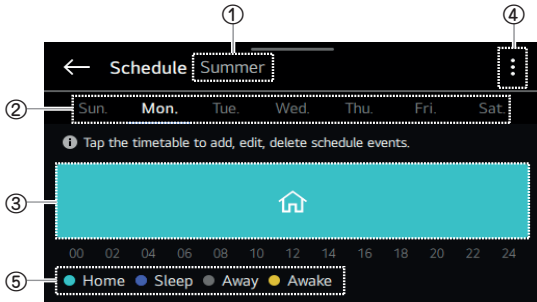
All the schedule-related information will be initialized.



# SCHEDULE - RESIDENTIAL (US)

The schedule function displayed when you select the Residential (US) schedule method.

Select the Schedule in the menu screen and move to the schedule settings screen.



① Displays the seasonal information of the current schedule.

The schedule information for the day of the week selected in number ② is displayed in number ③.

④ Loads the settings menu related to scheduling.

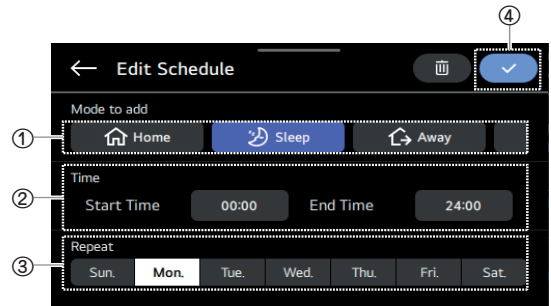
⑤ This is the color legend of the schedule modes displayed in the schedule timetable.

## NOTE

The default mode is Home.

Refer to each item details page for how to set them up.

## Schedules & Edit



① Select the schedule mode.

② Set the time to operate the schedule.  
If the start time is in the afternoon and the end time is in the morning, the schedule after midnight is set as a schedule for the next day.

③ Set the day to run the schedule.

④ Editing of the schedule will be completed and you will return to the schedule status screen.

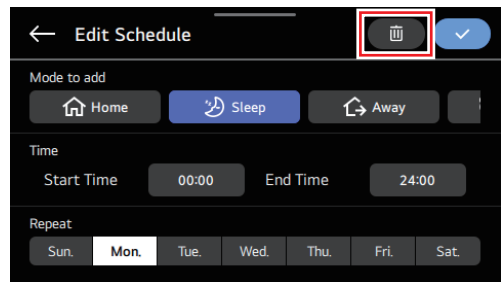
## NOTE

You can only set one schedule mode for the designated period.

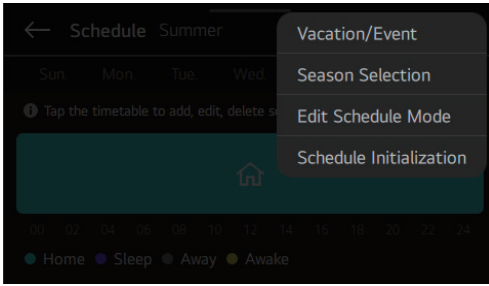
## Delete

After selecting the schedule event to delete in the timeline, press delete in the Editing screen.

The schedule mode is maintained and only the content of the event set in the schedule mode is deleted.



## Schedule Settings

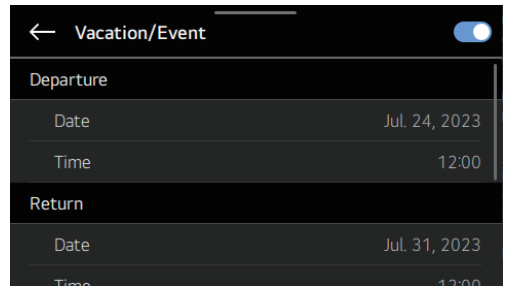


Select the settings icon to use the schedule more efficiently through the additional settings.

Mode	Description
Vacation / Event	You can hold the previously registered schedule operation and temporarily change the operation mode to be used.
Season Selection	Create a comfortable indoor environment suitable to the season with a simple change. – Use the schedule mode edit function first to set the schedule operation mode.
Edit Schedule Mode	Register the details of the schedule mode for each season.
Schedule Initialization	All the schedule-related information will be initialized.

## 1 Vacation / Event

- ① Date to be used in holiday mode. Set the time and product operation criteria. Select the Back button to finish setting.



- ② When the set date arrives, the setting information is displayed at the top and the registered schedule operation is hold.



## 2 Season Selection

- ① Use Select Season to change the season. Set a different schedule for every season.

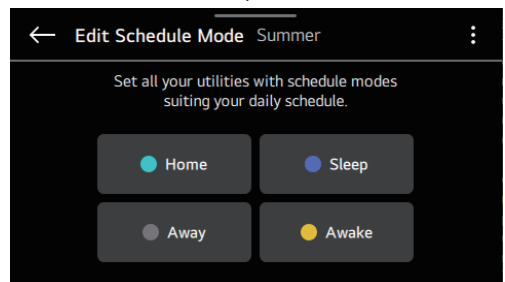
### Season Selection



- ② When the season changes, it operates under the changed season's schedule mode.

## 3 Edit Schedule Mode

- ① Select the operation to use in each schedule mode and set the detailed operation information.

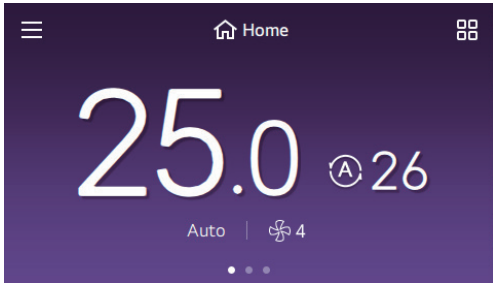


## NOTE

Select the Back button to finish setting.

## Display Schedule Status

You can check the schedule status on the Main Screen.



### 1 Default Schedule

Displays the currently operating schedule mode.



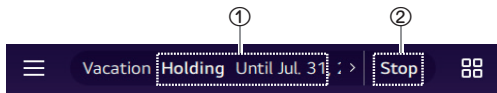
① Select if you want to change the schedule mode.

#### NOTE

If you select a different schedule mode, it operates according to said schedule mode's operation information.

### 2 Holiday Schedule

If the holiday schedule is operating, it displays Holiday.



① Displays the end date of the holiday schedule.

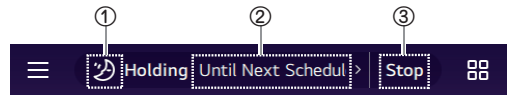
② Select to end the holiday schedule.

#### NOTE

The default schedule starts once the holiday schedule ends.

### 3 Schedule Hold (Temporary Schedule)

The currently operating schedule is paused and another operation mode temporarily operates.



① Displays the type of schedule hold.

② Displays the duration of the schedule hold function. Select to set the time.

Function Name	Option
Schedule Holding Time	Next Schedule, 30 minutes, 1 Hour, 1 Hour 30 minutes, 2 Hour, 2 Hour 30 minutes, 3 Hour, 4 Hour, Permanently

③ Select to release the schedule hold.

#### NOTE

If any one of the four items (mode / set temp / reservation mode / flow rate) is changed, the schedule hold function starts.

The type of schedule hold is determined by the changed item.

The operation time of schedule hold is based on the set time in the current time of the remote controller.

The holding function is maintained until the next registered schedule starts.

If you want to change the holding time, select the time in schedule hold.

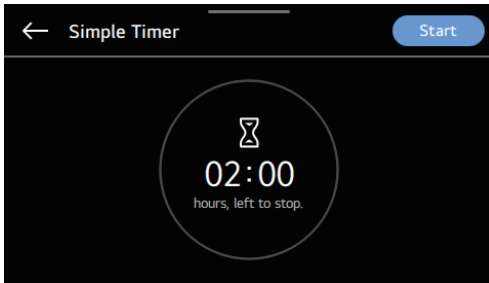
# TIMER

Select the timer item in the menu screen and move to the timer setting screen.

You can move to the details screen by selecting the menu to set in the timer settings screen.

## Simple Timer

You can conveniently set the remote controller for operation or stop.

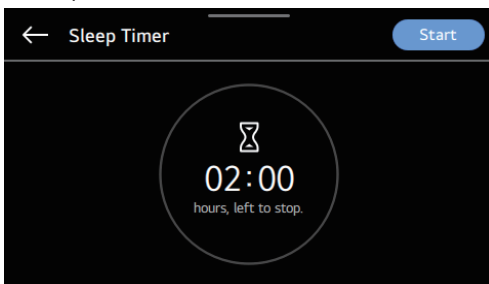


### NOTE

- If the IDU operation is ON, the simple timer is turned OFF after the relevant time has passed.
- If the IDU operation is OFF, the simple timer is turned ON after the relevant time has passed.
- In the simple timer, if the operation is turned ON or OFF before the operation of the timer, the set timer is canceled.

## Sleep Timer

The sleep timer is a function to operate or stop the air conditioner in the sleep mode after a certain period of time before sleep.

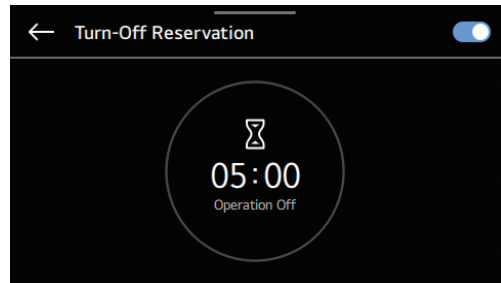


### NOTE

- The sleep timer can be set when the product is operating.
- In the sleep timer, if the operation is turned OFF before the timer works, the timer is canceled.

## Turn-Off Reservation

The product is turned OFF automatically at the set time.

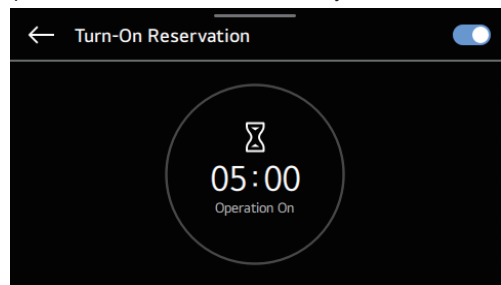


### NOTE

- The OFF timer is not canceled even if the operation is turned ON or OFF before the timer works.

## Turn-On Reservation

The product is turned ON automatically at the set time.



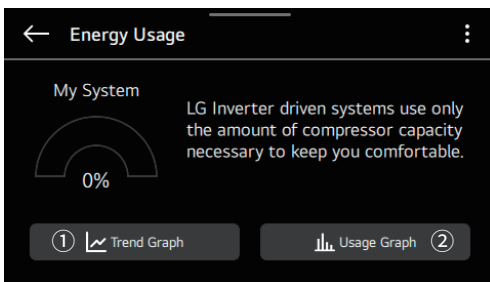
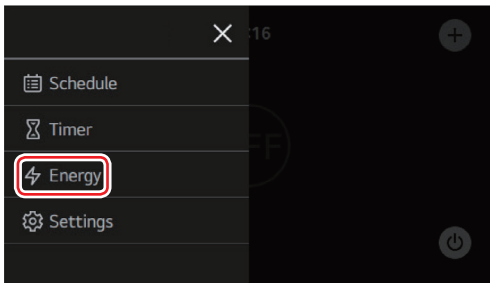
### NOTE

- The ON timer is not canceled even if the operation is turned ON or OFF before the timer works.

# ENERGY

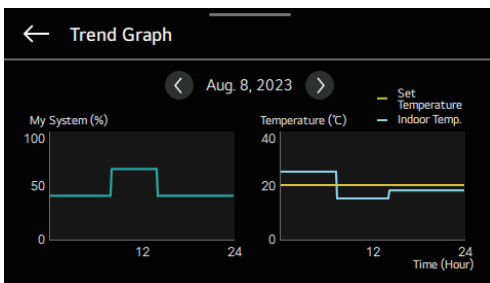
Tap on the energy item in the menu.

You can check energy usage and set power saving settings for energy saving.



## ① Trend Graph

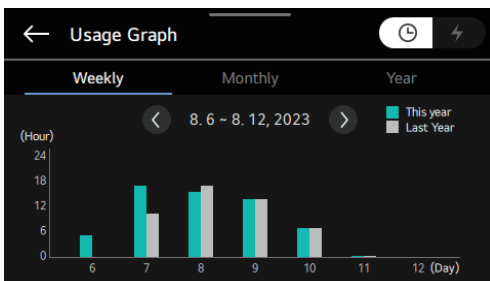
You can check the trend of the outdoor unit operation rate, indoor temperature, and desired temperature information during the day.



## ② Usage Graph

You can compare energy usage time / power usage on a weekly / monthly / annual basis.

You can check by usage time / power usage.

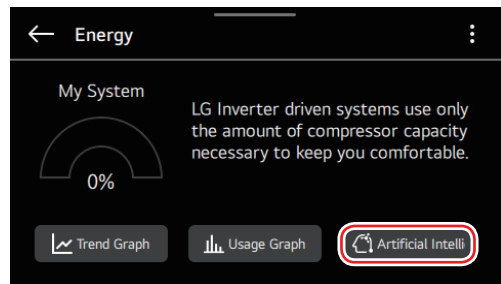


## NOTE

- Depending on the units selected, the accumulated energy usage / power usage over a day / week / month is displayed.
- This function may not be provided depending on the indoor unit.

## Artificial Intelligence Energy Control

This is a function that allows you to check the predicted savings by calculating the system's overall energy consumption and "Smart Care" use.



In the energy settings list, if you select AI energy control, you are moved to the 'AI energy control system power usage' settings menu.

Artificial Intelligence Energy Control System Power Usage		
You can check the total power consumption of the system (indoor and outdoor units) and the estimated savings through Smart Care.		
Period	Total Usage	Predicted Savings
Daily	0.0 kWh	0.0 kWh
Weekly	0.0 kWh	0.0 kWh
Monthly	0.0 kWh	0.0 kWh
Annual	0.0 kWh	0.0 kWh

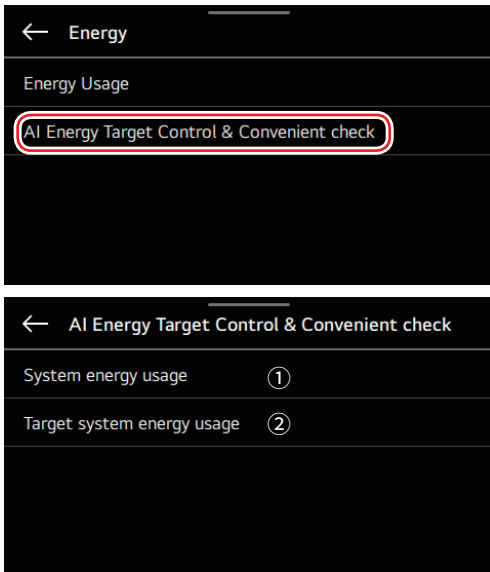
e.g. Daily basis

- Total usage: 1 000 kWh, predicted savings: 30 kWh
- Total usage when reduced by using Smart Care: 1 000 kWh
- Expected usage when not using Smart Care: 1 030 kWh

## NOTE

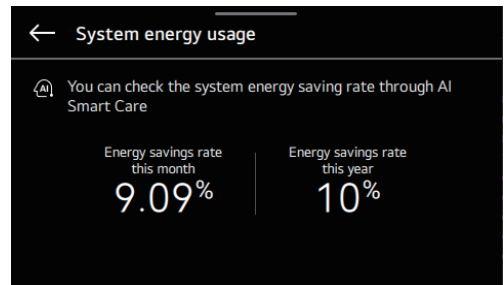
- Smart Care may not be displayed / work in some products.
- The displayed value is the power consumption for the entire system.
- The predicted savings are calculated by analyzing the energy usage patterns while using Smart Care. For more information, refer to the LG AI engine manual or the outdoor unit installation manual.
- There may be some difference between the actual usage, so use it only as a reference.
- If you need the exact usage, install an additional PDI (Power Distribution Indicator) and use it.

## AI Energy Target Control & Convenient check



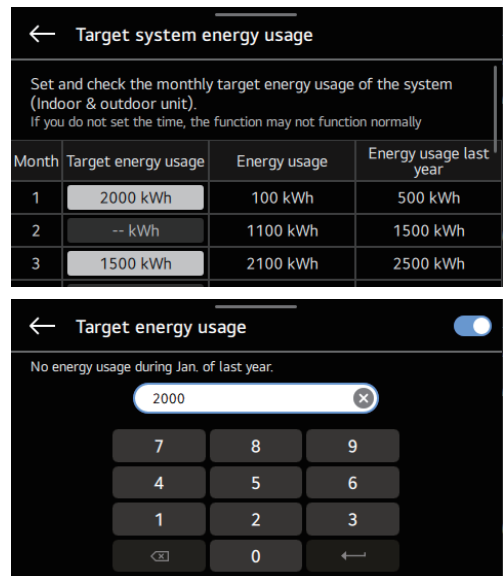
### ① System Energy Usage

When using Smart Care, you can check this month / year's savings rate as calculated by the AI controller.



### ② Target System Energy Usage

Select the target consumption of the month for which you want to set the system target power consumption to move to the target consumption settings screen.



### Target Energy Usage

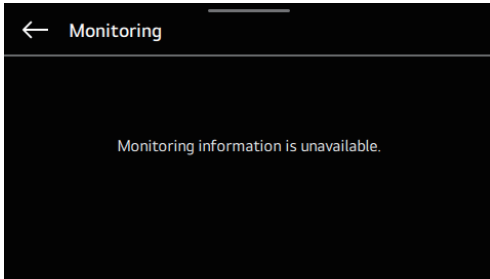
#### NOTE

- The configuration of the screen displayed may vary depending on the product connected.
- When setting the system target power consumption function in the central controller, you cannot use the system target power consumption function of the wired remote controller.

# MONITORING





In the menu screen, select the monitoring item and move to the monitoring screen.

In the center of the monitoring screen, the product operation status is displayed.



## NOTE

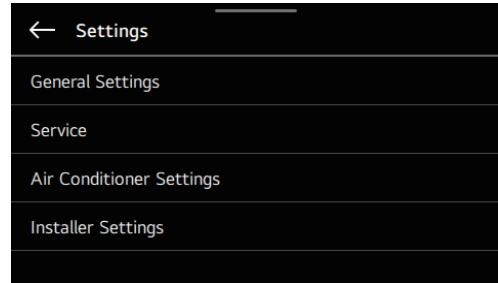
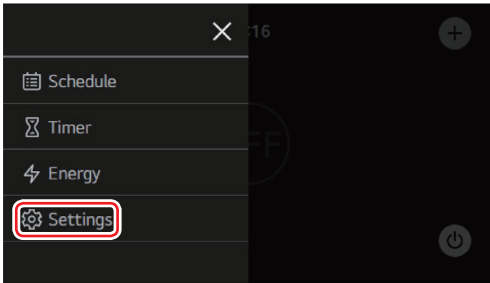
- The main information that can affect the product operation is displayed on the left lower end of the home screen.
- The warning icons related to CO<sub>2</sub>, oil change, Uvnano operation, and errors are displayed on the left lower end of the home screen.
- Uvnano is a compound word of “UV (ultraviolet rays)” and “nanometer (a unit of length)”.

Description of the Icon	
	A notification that the CO <sub>2</sub> density is too high. When the ventilation product is connected, this is displayed when the CO <sub>2</sub> concentration is around 940 ppm or higher.
	GHP outdoor unit engine oil replacement notification. Displayed when 10 000 hours of accumulated operation time of GHP outdoor unit have elapsed.
	Displayed when the UV Uvnano function is working.
	Displayed when repair is needed during the Uvnano function. If the UV alarm is displayed, contact LG Electronics Service Center for repair.

# SETTINGS

Select Settings in the menu.

You can set the general settings, air conditioner / ventilation settings, service settings, and installer settings for the configuration of the usage environment.



## General Settings

Function	Description	Note & Option	
Language	A function to set the language displayed on the remote controller.	한국어 / English / Español / Français / Italiano / Deutsch / Русский / Polski / Português / 中文 / Čeština / Türkçe	
Setpoint Type	<p>You can set the desired temperature setting method to single or dual.</p> <ul style="list-style-type: none"> <li>• Single type: You can set the desired temperature of only one operating mode. <ul style="list-style-type: none"> <li>– If you choose to operate cooling, you can only set the desired temperature for cooling.</li> <li>– If you choose to operate heating, you can only set the desired heating temperature.</li> </ul> </li> <li>• Dual type: You can set the desired temperature of cooling and heating operation modes at the same time. <ul style="list-style-type: none"> <li>– It is recommended for customers who are accustomed to using North American thermostats.</li> </ul> </li> </ul>	Single / Dual	
Temperature Unit	A function to set the temperature unit displayed on the remote controller.	Celsius	Fahrenheit
		0.1 °C / 0.5 °C / 1 °C	The Fahrenheit temperature unit operates by receiving the temperature unit from the indoor unit.

Function	Description	Note & Option		
Screen Saver	A function to adjust the screen off time of the remote controller and the standby screen brightness.	Screen Saver Timer	LCD Brightness In Idle	Content
		Off 15 s 30 s 1 min	Off 25 % 50 % 75 % 100 % Auto	Current status date & time weather
Date & Time	A function to set the date and time displayed on the remote controller.	-		
Lock	A function to lock the buttons of the remote controller for preventing children or any other person from using the remote controller in an improper manner.	All lock / Operation lock / Mode lock / Fan speed lock / Temperature lock / Desired temperature range lock		
System Reboot	A function to restart the remote controller.	-		
Humidity Display	The function to decide whether to display humidity on the main screen and the standby screen.	ON / OFF <ul style="list-style-type: none"> <li>• When it is set to 'ON,' the humidity value varies according to the humidity sensing position settings (installer settings).               <ol style="list-style-type: none"> <li>1) Remote controller: Displays the humidity that remote controller sensed.</li> <li>2) Indoor unit : Displays the humidity that indoor unit sensed. However, if no information is received, humidity is not displayed.</li> </ol> </li> </ul>		
Display Opposite Mode	A function to set whether to display the status where the operation mode selection is unavailable in accordance with the outdoor unit operation when the cooling / heating mode is selected in a product which does not support the cooling / heating operation at the same time.	ON / OFF		

Function	Description	Note & Option
Password	A function to set a password for preventing children or any other person from randomly changing the remote controller settings.	-
Remote Controller Wi-Fi Pairing	To connect the remote controller to the LG ThinQ app, the pairing function of the Wi-Fi module built in the remote controller is activated.	-
Auto return to main screen	A function to set whether to use the auto return to the main screen when there is no touch input for a certain period of time.	ON / OFF
Sound	Activates the button touch sound effect.	ON / OFF

## Air Conditioner / Ventilation Settings

Function	Product		Description	Option		
	Air Conditioner	Ventilation		All	Each	Standard
Vane Angle Control	<input type="radio"/>		You can adjust the angle in which the air blows. However, if Schedule method: Commercial is selected, you can set it in the airflow direction settings menu of the Main Screen.	Set the wind angle of all vanes in the product at once.	Individually set the angle of the vanes.	Set the wind angle in the factory data reset status.
Elevation Grill	<input type="radio"/>		A function to operate the elevation grill for cleaning the indoor unit filter.	<ul style="list-style-type: none"> <li>• Rise: Elevate the elevation grill toward the product.</li> <li>• Stop: Stop the movement of the elevation grill.</li> <li>• Fall: Lower the elevation grill toward the floor.</li> </ul>		
Robot Cleaning	<input type="radio"/>		The robot cleaning function is to allow the cleaner on the product to automatically clean the filter when the air conditioner is used for a certain period of time or longer. Sets the robot cleaning to work manually or automatically. It can be set 30 seconds after the operation stops.	<ul style="list-style-type: none"> <li>• Auto: When the cumulative operation time of the indoor unit has passed 30 hours, the robot cleaning is conducted automatically.</li> <li>• Manual: The robot cleaning is conducted manually.</li> </ul>		
Auto Dry	<input type="radio"/>		The auto dry function is to remove mold and humidity by drying the inside of the indoor unit when the product is turned OFF after a cooling operation.	General Model	Auto Dry Operation Time Selection Available Model	
				Use Disabled	Use Disabled 10 min 30 min 60 minutes AI Dry	
				<ul style="list-style-type: none"> <li>• AI Dry: Automatically control the drying time by referring to the humidity.</li> </ul> ※ It is available only when there is a humidity sensor.		

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Filter Sign	<input type="radio"/>	<input type="radio"/>	You can check the filter status and reset the filter usage time. If you plan to reset the default value after the filter's auto-inspect status is displayed, it's best to clean the filter before resetting.	<ul style="list-style-type: none"> <li>The remaining time to clean the filter is for reference, and the actual filter status may vary depending on the installation environment and usage conditions.</li> <li>When dust is put on the filter, the cooling / heating capacity is lowered with a high electricity charge, so please clean the filter when the time comes.</li> <li>Setting the auto-inspect filter function saves the filter's initial status. The auto-inspect filter function runs every 720 hours to check if the filter is clogged and displays the results.</li> </ul>
Wi-Fi Pairing	<input type="radio"/>	<input type="radio"/>	A function to run the pairing function of the Wi-Fi module connected to the indoor unit. In case of the old ventilation product, the function may not be displayed.	-
Change Temperature	<input type="radio"/>	<input type="radio"/>	The conversion temperature is a function to set a temperature by which cooling and heating operation is automatically converted according to a temperature.	1~7 °C (2~14 °F)
Zone Name	<input type="radio"/>		The name of each Zone to be used for zone control can be determined by directly typing it according to the user's style.	-
Comfort Cooling	<input type="radio"/>	<input type="radio"/>	A function to set the outdoor unit comfort power-saving operation stage value.	Step 1 / Step 2 / Step 3
ODU Refrigerant Noise Reduction	<input type="radio"/>	<input type="radio"/>	A function to set the refrigerant noise reducing function of the outdoor unit.	<ul style="list-style-type: none"> <li>This function is available only if the outdoor unit Master / Slave setting of the installer settings is Master.</li> </ul>
Defrost Mode	<input type="radio"/>	<input type="radio"/>	A function to set the defrosting mode operation of the outdoor unit.	
Smart Load Control	<input type="radio"/>	<input type="radio"/>	A function to set the active power-saving stage value of the outdoor unit. (Active power-saving is a function to operate by calculating the required performance from the air temperature and humidity in the indoors and the outdoors.)	

Function	Product		Description	Option	
	Air Conditioner	Ventilation			
Low Noise Mode Time	<input type="radio"/>	<input type="radio"/>	A function to set the start time and end time of the outdoor unit low noise mode operation.	<ul style="list-style-type: none"> <li>The outdoor unit low noise operation time settings function can be set only when the installer settings' outdoor unit function M / S setting is 'Master', and the outdoor unit low noise control reference setting is 'Remote controller.'</li> </ul>	
Advanced Fan Speed "Auto"	<input type="radio"/>		A function to set the auto fan usage based on the temperature of the indoor unit.	ON / OFF	
Human Detection Mode	<input type="radio"/>		It is the function to set the operation of human detection mode.	Saving Operation	
				<ul style="list-style-type: none"> <li>OFF: Not using the Human detection power-saving operation.</li> <li>On / Off Control : When no user is detected for a set time, the product is turned OFF for saving power.</li> <li>Temp. Control : When no user is detected for a set time, the desired temperature of the product is controlled for saving power.</li> <li>Energy-saving operation based on activity : It can control the set temperature in accordance with the activity and save energy.</li> </ul>	Time 5 / 10 / 15 / 30 / 60 / 90 min.
Top And Bottom Selection	<input type="radio"/>		This is a function to set the usage of the upper and lower vanes when operating the product.	Concurrency (whole) / Top / Bottom	
My Favorite Temperature	<input type="radio"/>		A function to set the desired temperature in initial operating mode when the user saves a set desired temperature.	ON / OFF	
Economizer	<input type="radio"/>		A function to supply external air into the room for saving energy and improving room air quality.	<ul style="list-style-type: none"> <li>OFF: Cancel the economizer function and keep the damper closed.</li> <li>Auto: When the external air condition is lower than the room air condition in case of cooling operation, the external air is supplied to the room to save energy.</li> <li>Step1: Opens the outer air damper opening by one stage to improve the indoor air quality by introducing fresh air into the room.</li> <li>Step2: Opens the outer air damper opening by two stages to improve the indoor air quality by introducing fresh air into the room.</li> </ul>	

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Air Conditioner Display Brightness	○		A function to control the indoor unit status display brightness.	<ul style="list-style-type: none"> <li>• General model: OFF / ON / Auto</li> <li>• Brightness-controllable model: 100% / 50% / OFF / Auto</li> <li>• 'Auto' setting is enabled only in the indoor units equipped with the human body sensor kit.</li> <li>• When it is set to be 'Auto,' it is automatically controlled in accordance with the intensity of illumination detected by the human detection sensor.</li> </ul>
Air Conditioner Air Quality Brightness	○		A function to control the air quality display brightness of the indoor unit.	ON / OFF
UVnano	○	○	The UVnano function is to sterilize the fan or the filter by using a UV LED at regular time intervals when the indoor unit is working.	ON / OFF
Fine Dust Filter Status	○	○	You can check the fine dust filter status and reset the filter usage time.	<ul style="list-style-type: none"> <li>• The used and remaining amount are for reference, and the actual filter status may vary depending on the installation environment and usage conditions.</li> <li>• When dust is caught in the filter, the airflow decreases and the electric bill is high, so be sure to clean or replace the filter when it is time to clean or replace it.</li> <li>• The fine dust filter (HEPA filter) check mark will not be cleared unless you specifically clear it.</li> <li>• The pre-filter check mark will be cleared after a certain time even if you don't specifically clear it.</li> </ul>
Pre-Filter Status	○	○	You can check the pre-filter status and reset the filter usage time.	
Delay Time		○	A function to set the operation to work after a delay time in case of ventilation operation.	1-60 min. (by the unit of one min.)
Midnight Air Cooling		○	A function to discharge the room heat and supply the cool external air into the room at summer night for saving energy.	<ul style="list-style-type: none"> <li>• After setting the function ON, set the start time and the end time.</li> <li>• Only when the air conditioner and the ventilation are both stopped, it is determined whether to operate the night external air cooling or not.</li> <li>• Even if it is the set night external air cooling time, the night external air cooling is started only when the outdoor temperature condition is met.</li> </ul>

Function	Product		Description	Option		
	Air Conditioner	Ventilation				
CO <sub>2</sub> Fan Control		○	This function sets the FAN operating standards based on the CO <sub>2</sub> concentration of ventilation products.	Fan Control During Operation On	Fan Control During Operation Off	
				Off / Periodic / Low	Off / Periodic	
Select Humidification Range		○	A function to set the room humidification operation range of direct-type ventilation product.	Min. humidity	Max. humidity	
				20% ~ 70%	50% ~ 80%	
				<ul style="list-style-type: none"> <li>• The min. humidity and the max. humidity can be changed by 5% at a time.</li> <li>• The min. humidity and the max. humidity must be kept different from each other by 10%.</li> </ul>		
Interlock air purification with air conditioner and ventilation		○	AC-ventilation air purification interlock is a function that aids with indoor air purification by operating ventilation with the air purification operation of the AC when the indoor fine dust concentration is bad.	ON / OFF	<ul style="list-style-type: none"> <li>• If the AC's fine dust concentration is bad or very bad, ventilation is interlocked.</li> <li>• Ventilation is operated at Special High Speed during interlocking operation.</li> </ul>	
AI Indoor Space Care	○		A function where nearby indoor units cooperate to create a pleasant space when the target temperature cannot be reached due to ambient thermal load, even though 100% of the indoor unit's cooling / heating capacity is being used.	Use (Y / N)	Indoor Space Search	Group Number
				On / Off	Auto Manual (Comfort) Manual (Saving)	00~FF
				<ul style="list-style-type: none"> <li>• Auto: Automatic space learning</li> <li>• Manual (Comfort): Set manual group / Set comfort first</li> <li>• Manual (Saving): Set manual group / Set power saving first</li> </ul>		

## NOTE

- AI Indoor Space Care finds surrounding indoor units that can cooperate through AI field learning.  
: It needs at least two weeks for the learning period, and additional learning periods may be required depending on the operation method and environment at the installation site.
- You can operate up to 2 cooperative indoor units.
- After setting to use AI Indoor Space Care, it is available when operating AI Smart Care.
- AI Indoor Space Care indoor units may be automatically turned on and off as a result of AI field learning.
- If you do not wish to use the AI indoor space care operation function, set it to OFF.
- If a model for both cooling / heating, AI Indoor Space Care is not available during simultaneous cooling and heating operation.

## CAUTION

- Set it to off if the low noise operation time setting and night outdoor cooling setting functions are not used.
- Low noise operation can reduce cooling capacity.

## Service Setup

Function	Description
Service Contact	Check and input the service center phone number that you can call when there is service issue.
Model Information	Check the indoor / outdoor product group and capacity information to which the remote controller is connected.
Model	Check the remote controller model name.
SW Version	Check the remote controller software version.
Open Source License	View the remote controller's open source license.
Error history	View the connected indoor unit's error history.
Setup	This function allows you to check and change the installation wizard settings that were set when the remote controller was initially installed.
Software Update	This function updates the software version of the wired remote controller using the OTG port.

# INSTALLER SETTINGS

Select the installer settings in the settings menu.

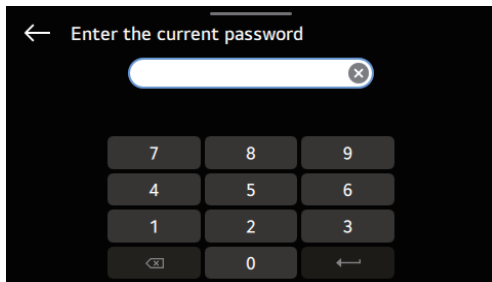
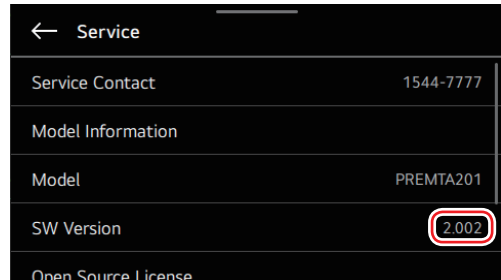
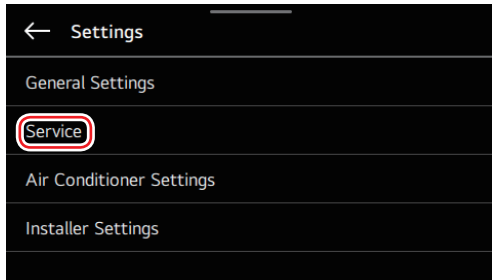
Various settings can be made during the installation step before using air conditioner / ventilation products.

Please enter the password.

\* How to know the password

Check the software version in the service settings menu.

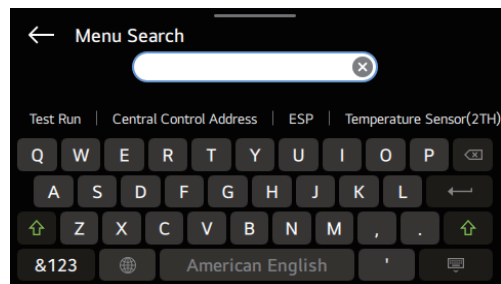
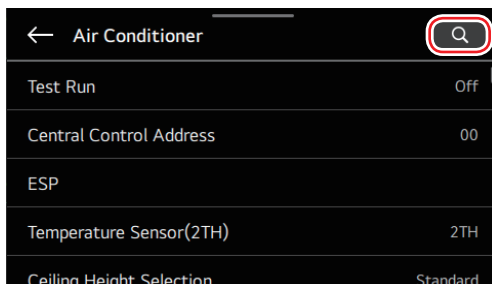
If SW version is 2.000, password is 2000.



Tap the Magnifier icon in the upper right corner, making it easy to find what you want.

- Auto-complete items are displayed based on the characters you enter.

- You can also search by the code number of installer setting.



## Air Conditioner / Ventilation Installer Settings

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Test Run	<input type="radio"/>	<input type="radio"/>	A function to set the test-running when initially installing the product.	-
Central Control Address	<input type="radio"/>	<input type="radio"/>	A function to set the central control address of the indoor unit when connecting the central controller.	00 ~ FF
ESP	<input type="radio"/>		A function for setting the air volume value corresponding to each air volume and to facilitate installation.	Set the RPM value for each fan speed.
Temperature Sensor (2TH)	<input type="radio"/>	<input type="radio"/>	A function to select the temperature sensor for determining the room temperature.	Remote controller / Indoor unit / 2TH
Ceiling Height Selection	<input type="radio"/>		A function to control the stage of air volume in accordance with the height of the ceiling in a ceiling-type product.	Low / Standard / High / Very high
Static Pressure	<input type="radio"/>		This function changes the fan speed in the indoor FAN according to the opening and closing quantity of Damper. It is available only in a duct product.	V-H: Indoor fan speed change, High pressure F-H: Fixed with set fan speed, High pressure V-L: Indoor fan speed change, Low pressure F-L: Fixed with the set fan speed, Low pressure
Override Master / Slave	<input type="radio"/>	<input type="radio"/>	A function to prevent another mode operation. In the function, the products set to 'Slave' prevent the selection of the opposite mode of the operation mode of the indoor unit which is set to 'Master.'	Master / Slave
Dry Contact Mode	<input type="radio"/>	<input type="radio"/>	A function which is available only when the dry contact apparatus is separately purchased / installed.	Manual / Auto
3 Minutes Delay	<input type="radio"/>	<input type="radio"/>	Temporarily cancel the 3 min. delay function of the outdoor compressor. ※ Caution: Do not randomly set it since it is a function used for producing the products.	-
SEER Mode	<input type="radio"/>		Measures the driving ability of the duct product.	ON / OFF

Function	Product		Description	Option		
	Air Conditioner	Ventilation				
Fixed Air Volume	○	○	A function to set the air volume mode of the indoor unit to be variable / fixed.	Variable: When the Comp is ON, it operates in the set fan speed. Operate to low fan speed at COMP OFF. Fixed: When the Comp is ON, it operates in the set fan speed. Operate to set fan speed at COMP OFF.		
Zone Type	○		A function to set the zone type supported by the indoor unit such as the "new" and the "old" types.	Old: You can check only the operation status of the relevant zone by using the wired remote controller. New of 8 Zone: You can control and monitor the zones by using the wired remote controller.		
Zone Number	○	○	A function to set the number of zones. It is available only when the zone type is "New."	2 ~ 8		
Over Heating	○	○	Control the heating thermal ON / OFF temperature conditions. ※ Caution: If you incorrectly set it, it may cause overheating or weak heating.		Thermal On	Thermal Off
				Step 0	Operates in accordance with the product set value	
				Step 1	4 °C (8 °F)	6 °C (12 °F)
				Step 2	2 °C (4 °F)	4 °C (8 °F)
				Step 3	-1 °C (-2 °F)	1 °C (2 °F)
				Step 4	-0.5 °C (-1 °F)	0.5 °C (1 °F)
Pipe Temperature	○	○	You can check the temperature of the pipe connected to the product.	-		
Emergency Heater	○		A function to determine whether to use the emergency heater control function and set the usage environment.	Enabled / Disabled		

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Func. Control During Grp. Control	○		A function to select the operation standards of the product in case of group control.	<p>Type 0: All indoor units connected work in the same status. Only the standard functions are available.</p> <p>Type 1: All indoor units connected work in the same status. The below functions can be additionally used in accordance with the functions of the Master indoor unit.</p> <ul style="list-style-type: none"> <li>- Wind direction</li> <li>- Up and Down / Left and Right / Comfort wind, Additional functions</li> <li>- Power-saving cooling / Heater / Fan Auto, Up and Down wind angle</li> <li>- Entire control</li> </ul> <p>Type 2: When it is operated by the wired remote controller, all the indoor units connected work in the same status. When it is controlled by the wireless remote controller, only the indoor unit which has received the command works. You can use all the functions of the master indoor unit.</p>
Air Purify	○		A function to set whether to additionally install after mass-production or mount after removal for the option units (air cleaning / heater / humidification / elevation grill / ventilation / sub heater).	Installed / Not installed
Heater Kit	○			
Humidification Kit	○			
Elevation Grill	○			
Ventilation Kit	○			
Aux Heater	○			
Refrigerant Leak Sensor	○	○	A function to set whether to install a flare fastening unit and welding unit leak sensors on the indoor unit.	Installed / Not installed
IDU Address Verification	○	○	A function to check the address of the indoor unit designated from the outdoor unit.	-

Function	Product		Description	Option	
	Air Conditioner	Ventilation			
Over Cooling	○	○	Control the cooling thermal ON / OFF temperature conditions. ※ Caution: If you incorrectly set it, it may cause overheating or weak heating.		Thermal On    Thermal Off
				Step 0	Operates in accordance with the product set value
				Step 1	6 °C (12 °F)    4 °C (8 °F)
				Step 2	4 °C (8 °F)    2 °C (4 °F)
				Step 3	1 °C (2 °F)    -1 °C (-2 °F)
Static Pressure Step	○		This function allows you to set the static pressure of the duct product by subdividing it into 11 steps.	Stage 0-Stage 11 • If the static pressure stage settings are used, the static pressure settings are not used. • Please refer to the indoor unit product manual for the static pressure value for each stage.	
Guard Timer	○		Set the outdoor unit cycle conversion operation standby time, and set the outdoor unit protection time for cycle conversion.	Stage 0: 0 min. / Stage 1: 15 min. / Stage 2: 30 min. / Stage 3: 45 min. / Stage 4: 60 min.	
Fan Speed In Cooling Thermal Off	○	○	A function to set the operation of the indoor unit fan during the cooling thermal OFF operation.	Low / Off / Setting	
Primary Heater	○		A function to set the control to be conducted with priority on the heater usage than the outdoor unit cycle in case of operation of the indoor unit heating.	ON / OFF	
AC. Fan Oper. Interlocked With Vent.	○		When the air conditioner and the ventilation product are interlocked for operation, the function sets whether to operate the fan of the air conditioner.	ON / OFF	
IDU Auto-Start	○	○	In the event of a power outage, you can set whether to recover the product to its previous operating state.	Enabled: Reset to the previous operation status. Disabled: Reset to the operation OFF status.	
Occupancy Duration Time	○		A function to set the absence determination maintenance time among the in-room sensor values.	0 / 10 / 30 / 60 min.	

Function	Product		Description	Option
	Air Conditioner	Ventilation		
CN_CC	○		A function to set whether to install (use) the Dry contact. (It is not a function for installing the dry contact but for setting the usage of the CN_CC port of the indoor unit.)	<ul style="list-style-type: none"> <li>• Dry contact auto installation: When the power is applied to the product, and when the contact is ON with the dry contact installed, the indoor unit product recognizes the dry contact installation.</li> <li>• Dry contact manual non-installation: Not use (install) the dry contact.</li> <li>• Dry contact manual installation: Use (install) the dry contact.</li> <li>• Simple ON / OFF: Use the Programmable DI / DO (Simple On / Off) usage.</li> </ul>
CN_EXT	○	○	A function to set to control the external input and output in accordance with the DI / DO set by the customer by using the dry contact port of the indoor unit. (A function to determine the usage of the contact port (CN_EXT) mounted on the indoor unit PCB.)	<ul style="list-style-type: none"> <li>• Not Use: Use the simple dry contact set value.</li> <li>• Simple Operation: Simple operation ON / OFF</li> <li>• Simple Dry Contact: Dry contact (simple contact)</li> <li>• Single Emergency Stop: Indoor unit single emergency stop</li> <li>• Occu. / Unoccu.: In-room / Absence</li> <li>• All Emergency Stop: All indoor units' emergency stop <ul style="list-style-type: none"> <li>※ It can be set only when the indoor units have the emergency stop function.</li> </ul> </li> <li>• Window Contact: In case of window contact, the indoor unit operation is processed. <ul style="list-style-type: none"> <li>※ It can be set only when the indoor units have the window contact function.</li> </ul> </li> <li>• Window Contact Lock: When the window contact is locked, the indoor unit operation is processed. <ul style="list-style-type: none"> <li>※ It can be set only when the indoor units have the window contact lock function.</li> </ul> </li> <li>• MPM: Individual power module interlock mode</li> </ul>
ODU Function Master	○	○	A function to set the function Master / Slave of the outdoor unit.	Master / Slave

Function	Product		Description	Option	
	Air Conditioner	Ventilation			
Fan Continuous Operation	○		A function to set the fan non-stop function usage of indoor unit. (A function to operate the fan of the indoor unit for longer than the conventional operation method in the outdoor unit for maximizing the cooling / heating efficiency.)	ON / OFF	
Low Noise Mode Priority	○	○	A function to set the control subject of the low noise mode. (A function to set only one of the outdoor unit and the remote controller to be able to manage the low noise operation.)	Outdoor unit / Remote controller	
Lamp Color Setting	○		This function selects the LED color to display the fine dust status of the product.	Auto / RGB / YGG	
Dust Step Color Setting	○	○	You can change the color display method for each stage of fine dust according to national standards.	<ul style="list-style-type: none"> <li>• Type 1: Stage 4 (Republic of Korea)</li> <li>• Type 2: Stage 4 (Global)</li> <li>• Type 3: Stage 6 (China)</li> </ul>	
Human Detection Sensor	○		It is the function to set whether to install human detection sensor and operation standard value.	Value	Description
				Human Detection Sensor	Not installed, Forward, Rotate 90°
				Sensing Period	<ul style="list-style-type: none"> <li>• Type 1: 5 sec, 30 sec, 1 min, 3 min</li> <li>• Type 2: 5 sec, 10 sec, 30 sec, 1 min</li> </ul> ※ For Type 2, apply it only when the indoor unit product has the custom temperature settings function.
				Sensitivity	Low, High
				Temperature Control Option	<ul style="list-style-type: none"> <li>• Step0: Maintain the product operation and use the temperature power-saving function.</li> <li>• Step1: Use the temperature power-saving function and stop the operation of the indoor unit.</li> </ul>
				Detection Area	Large, Small, Indoor Floor Area Detection

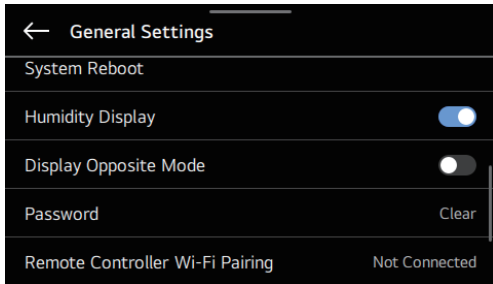
Function	Product		Description	Option
	Air Conditioner	Ventilation		
Humidity Sensing Position	○		A function to decide where to detect humidity.	Remote controller / Indoor unit
ODU Cycle Priority	○		You can select standby or cooling.	<ul style="list-style-type: none"> <li>• Disabled: It does not support the opposite cycle operation with the wired remote controller.</li> <li>• Cooling: When the user has selected the opposite operation mode by the wired remote controller, the indoor unit stops the heat exchange and the fan.</li> <li>• Standby: There is a priority on the cooling cycle. When the user has changed the operation mode of a specific indoor unit into the cooling or heating cycle, the outdoor unit is switched into the cooling cycle and the indoor unit maintains the heating operation by using the heater.</li> </ul> <p>※ Before using this function, please set the emergency heater or external heater function.</p>
Outdoor Temp. For Heating Stages	○		You can set the outdoor temperature based on the temperature of the heater combination heating mode.	-
Estimated Energy Display	○		A function to set the display of the energy data measured by the outdoor unit.	ON / OFF
CN_PTC	○		This is a function to set PTC Port of indoor unit.	ON / OFF
Temperature Compensation	○		You can display on the screen by applying the compensation value to the temperature value detected by the remote controller.	<p>In case of Celsius: -5 °C to +5 °C (by the unit of 0.5 °C)</p> <p>In case of Fahrenheit: -10 °F to 10 °F (by the unit of 1 °F)</p>
Humidity Compensation	○		Compensation value can be applied to the humidity value detected by the remote controller to display on the screen.	-10% to +10% (by the unit of 1%)
Dust Lamp Always Displayed	○		A function to set whether to regularly display the dust concentration on the LED lamp mounted on the indoor unit product.	ON / OFF

Function	Product		Description	Option
	Air Conditioner	Ventilation		
FAN Operation Time	<input type="radio"/>		A function to display the operation cumulative time of the indoor unit fan motor.	-
IDU Operation Time	<input type="radio"/>		A feature that displays the cumulative time that the indoor unit has been on.	-
Indoor Temperature Master / Slave	<input type="radio"/>		A feature that sets the Master / Slave for the temperature sensors for each indoor unit.	<ul style="list-style-type: none"> <li>• Cancel: Cancel the function.</li> <li>• Master: Set based on the room temperature.</li> <li>• Slave: Use the reference temperature of the master indoor unit.</li> </ul> ※ When it is set to Slave, you can set the Master indoor unit address (00-FF).
Indoor Unit Physical Address	<input type="radio"/>		Set the physical address of the indoor unit.	-
Heating By Sensing Floor Temperature	<input type="radio"/>		This function sets whether to use the floor temperature detection sensor.	ON / OFF
Auto ESP	<input type="radio"/>		This function can be used for changing the target air volume.	Disabled / +10% / -10%
Fan Setting During Thermal Off (Occupancy / Operation Mode)	<input type="radio"/>		This function automatically sets the rotary speed of the fan in accordance with each stage of the rated air volume for making it easy to install.	-
UVnano	<input type="radio"/>	<input type="radio"/>	This function sets whether or not UV LEDs are installed in order to use the UVnano function.	Installed / Not installed
Filter Box	<input type="radio"/>		A function to set whether to install for using the function of filter box.	Installed / Not installed
Password Initialization	<input type="radio"/>	<input type="radio"/>	A function to reset the password (0000) when the password set on the remote controller is not remembered.	-
Factory Data Reset	<input type="radio"/>	<input type="radio"/>	A function to reset all the settings, timer, schedule, and energy information stored in the remote controller.	-

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Air Supply ESP		<input type="radio"/>	A function to determine the air volume value falling under the air supply volume.	Set the RPM value for each fan speed.
Air Exhaust ESP		<input type="radio"/>	A function to determine the air volume value falling under the exhaust air volume.	Set the RPM value for each fan speed.
Product Direction		<input type="radio"/>	A function to set the installation direction of the ventilation indoor unit.	Normal / Opposite
Express Ventilation Priority		<input type="radio"/>	A function to set the priority of air supply and air exhaust in case of fast ventilation operation.	Air supply / Air exhaust
Hum. Of Stand-alone Vent. Mode		<input type="radio"/>	A function to set whether to use the humidification function in case of ventilation single operation of direct-type ventilation.	ON / OFF
Hum. Of Vent. With Heating Oper.		<input type="radio"/>	A function to automatically or manually set the heating humidification function of the direct-type ventilation.	Auto / Manual
Vent. Fan Speed Alignment		<input type="radio"/>	A function to change the reference air volume of ventilation.	Default value / Rise by 10% / Fall by 10% / Fall by 20%
Filter Check Alarm			A function to set the filter replacement cycle of the ventilation indoor unit.	Stage 0-Stage 5
Noise Target Control	<input type="radio"/>		Outdoor unit noise limit Limit the outdoor unit compressor maximum frequency.	Setting value: ON / OFF Decibel(db): 50 / 55 / 60 / 65 / 70 • The range of noise limits may vary depending on the version of the remote controller and the connected product.

# USING THE LG THINQ APP

You can easily change the desired settings through the LG ThinQ App after directly connecting the wired remote controller to the LG ThinQ App.



## NOTE

- Bluetooth function is not supported.
- To connect the wired remote controller to the LG ThinQ app, select the deluxe wired controller in the product selection stage.

# WIRELESS LAN MODULE

## For US

Frequency Range	2 412 MHz ~ 2 462 MHz
Output Power(Max)	< 30 dBm

### Wireless funtion S/W version : V 1.0

For consideration of the user, this device should be installed and operated with a min. distance of 20 cm between the device and the body.

## For Europe

Model	PREMTA201
Frequency Range	2412 MHz ~ 2472 MHz
Output power(Max)	802.11b : 18.29 dBm 802.11g : 17.52 dBm 802.11n(HT20) : 16.50 dBm

### Wireless funtion S/W version : V 1.0

For consideration of the user, this device should be installed and operated with a min. distance of 20 cm between the device and the body.

## Industry Canada Statement

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

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

## IC Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body.

**NOTE:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

## Different Mode Operation

Different mode operation is the case when the indoor units' operation modes are different when multiple indoor units are installed to one outdoor unit. (Different mode operation doesn't happen in the cooling exclusive model.)

- Example of different mode operation
  - When one indoor unit is operated in heat while several indoor units one outdoor unit are operated in cooling, the heating operation is not performed.
  - With one outdoor unit, while several indoor units are in heat mode, if one indoor unit requests in cooling or dehumidification, the operation is not performed.

## Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com).

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

## FCC Notice

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 the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

LG Electronics EU Importer names and addresses / Имена и адреси на вносителите на LG Electronics в EC / Nazivi i adrese uvoznika LG Electronics u EU / Nazivi i adrese uvoznika LG Electronics u EU / Názvy a adresy dovozců LG Electronics v EU / Navne og adresser på importører af LG Electronics i EU / Namen und Adressen der LG Electronics EU-Importeure / Ονόματα και διευθύνσεις εισαγωγέων της LG Electronics EU / Nombres y direcciones de importadores para la UE de LG Electronics / LG Electronics EL maaletuojate nimed ja aadressid / LG Electronics – EU:n maahantuojien nimet ja osoitteet / Noms et adresses des importateurs pour LG Electronics EU / Ainmneacha agus seolaí lompórtálaí AE LG Electronics / Nazivi i adrese uvoznika proizvoda tvrtke LG Electronics u Europskoj uniji / Az LG Electronics európai uniós importőreinek neve és címe / Nöfn og heimilisföng LG Electronics innflytjenda innan ESB / Nomi e indirizzi degli importatori UE di LG Electronics / LG Electronics ES importuotojų pavadinimai ir adresai / LG Electronics ES importētāju nosaukumi un adreses / Имиња и адреси на увозници на LG Electronics за ЕУ / LG Electronics: ismijet u indirizzi tal-importatori tal-UE / Namen en adressen van importeurs voor LG Electronics EU / Navn og adresser for EU-importører for LG Electronics / Nazwy i adresy importerów produktów LG Electronics w Europie / Nomes e endereços dos importadores para LG Electronics EU / Numele și adresele Importatorului UE al LG Electronics / Názvy a adresy dovozcov LG Electronics do EÚ / Imena in naslovi uvoznikov za LG Electronics EU / Emrat dhe adresat e importuesve të LG Electronics në BE / Nazivi i adrese EU uvoznika kompanije LG Electronics / Namn och adresser för LG Electronics EU-importörer

**LG Electronics Inc. Single Point of Contact (EU/UK) & EU Importer :**

LG Electronics European Shared Service Center B.V.  
Krijgsman 1, 1186 DM Amstelveen, The Netherlands

**Manufacturer :**

LG Electronics Inc.  
84, Wanam-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, KOREA

**UK Importer :**

LG Electronics U.K. Ltd  
Velocity 2, Brooklands Drive, Weybridge, KT13 0SL



