



OWNER'S / INSTALLATION MANUAL

AIR CONDITIONER



Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

TYPE : WIRED REMOTE CONTROLLER

EN ENGLISH FR FRANÇAIS ES ESPAÑOL



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SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

ENGLISH

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others.

All safety messages will follow the safety alert symbol and either the word WARNING, or CAUTION.



WARNING

Failure to follow these instructions could result in death or serious injury.



CAUTION

Failure to follow these instructions could result in minor or moderate injury or damage to the product.

All safety messages will tell you what the potential hazard is, inform you as to how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS



WARNING

To reduce the risk of explosion, fire, death, electric shock, scalding or injury to persons when using this product, follow basic precautions, including the following:

- Installation or repairs done by unauthorized persons can pose hazards to you and others.
- Installation MUST conform to the local building codes or, in the absence of local codes, the National Electrical Code NFPA 70/ANSI C1-1003 or current edition and Canadian Electrical Code Part 1 CSA C22. 1.
- The information contained in this manual is intended for use by a qualified service technician who is familiar with the safety procedures and equipped with the proper tools and test instruments.
- Failure to read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- When the power cord needs to be replaced, the replacement work should be performed by authorized personnel using only genuine replacement parts.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Important Safety Instructions

WARNING

Installation

Contact the dealer to have the air conditioner installed.

- Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Contact the dealer for repairs, maintenance and to reinstall the air conditioner.

- Incomplete installation performed by yourself may result in a water leakage, electric shock, and fire.

Be sure to only use accessories made by LG which are specifically designed for use with the equipment and have them installed by a professional.

- Improper installation or attachment of equipment or accessories could result in electric shock, a short circuit, leaks, fire or other damage to the equipment.

Do not install the unit in an area where there are flammable materials.

- There is a risk of explosion that could result in serious injury or death.

Avoid direct sunlight and moist areas.

Power

Consult with the installation contractor for cleaning or maintenance. Turn off all electrical power before doing any cleaning or maintenance.

- There is a risk of water leakage, electric shock or serious injury.

Take care to ensure that the power cable cannot be pulled out or damaged during operation.

- There is a risk of fire or electric shock.

Do not touch (operate) the product with wet hands.

- There is a risk of electrical shock.

Operation

Be sure to use only those parts which are listed in the SVC parts list. Never attempt to modify the equipment.

- The use of inappropriate parts can cause an electrical shock or fire.

Never sprinkle or spill water or liquids on unit.

- Doing so could cause fire, failure of the product, or electric shock.

Never let the indoor unit or the remote controller get wet.

- Water can cause an electric shock or a fire.

Do not let the air conditioner run while a door or window is open on a day with high humidity. This could result in excessive moisture and water damage.

- Excess moisture may collect and cause water damage to walls or furniture.

If the product becomes soaked (flooded or submerged), contact the dealer.

- There is a risk of fire or electric shock.

Maintenance

Tear apart and throw away plastic packaging bags so that children will not play with them.

- Children playing with plastic bags are at risk of death by suffocation.

 CAUTION**Installation**

Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

Do not install the product where it will be exposed to sea wind (salt spray) directly.

- This can cause corrosion on the product. Corrosion could cause product malfunction or inefficient operation.

The Limited Warranty is void and of no effect, and LG will have no liability hereunder to any Customer or third party, to the extent any of the following occur: acts, omissions, and conduct of any and all third parties including, but not limited to, the installing contractor and any repairs, service or maintenance by unauthorized or unqualified persons.

Do not install the unit in potentially explosive atmospheres.

Operation

The appliance is not intended for use by young children or infirm persons without supervision.

Do not press the screen using powerful pressure

- There is a risk of product break-down or malfunction.

Maintenance

Contact the dealer for repair or maintenance.

Do not wipe the controller operation panel with benzine, thinner, chemical dust cloths, etc. The panel may get discolored or the coating may peel off. If it is very dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it dry it with another dry cloth.

- There is a risk of damage to the plastic parts of the product.

Do not operate the air conditioner when using a room fumigation-type insecticide.

- Failure to do so could lead to the chemicals becoming deposited in the unit, which could endanger the health of those who are hypersensitive to chemicals.

PRIOR TO OPERATION

Preparing for operation

Contact an installation specialist for installation.

Usage

- 1 Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
- 2 Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- 3 Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.
- 4 While using the remote control, refer the user manual of that particular remote controller.

Service

For repair and maintenance, contact your authorized service dealer.

⚠ PRECAUTION

- Contact an authorized service technician for repair or maintenance of this unit.
- Contact an installation specialist for installation of this unit.
- The air conditioner is not intended for use by young children or disabled individuals without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- When the power cord needs to be replaced, replacement work should be performed by authorized personnel only using only genuine replacement parts.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.

READ THIS MANUAL

Inside you will find many helpful hints on how to properly use and maintain your air conditioner. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

FOR YOUR RECORDS

Write the model and serial numbers here.

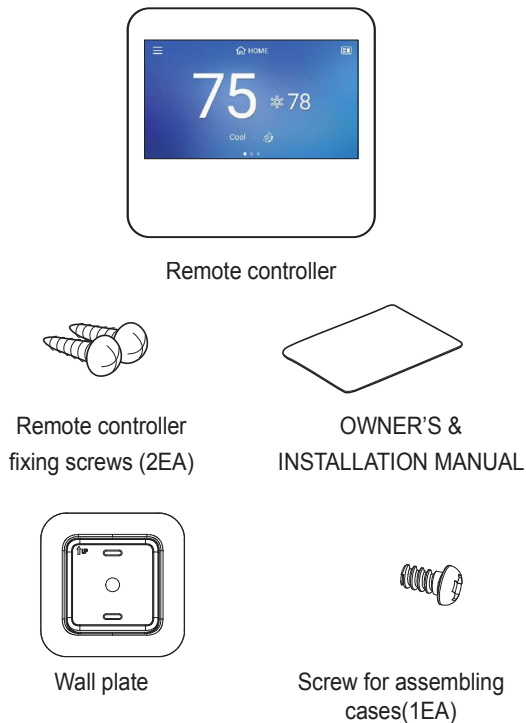
Model	
Serial	

You can find them on a label on the side of each unit.

Dealer's Name	
Date Purchased	

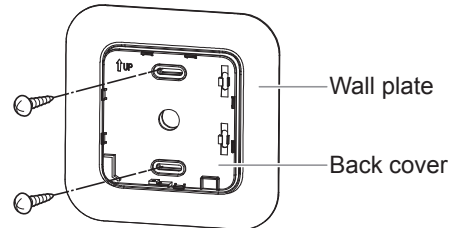
PARTS AND INSTALLING THE CONTROLLER

Parts



- 1 Pull the cable from the wall and check the cable direction to install.
- 2 Align the back cover and check location of two mounting holes on the wall.
- 3 Prepare by pulling out the communication cable through center hole or top hole. (Figure.2)
- 4 Insert screws in mounting holes. (Figure.1)

ENGLISH



(Figure.1)

NOTE

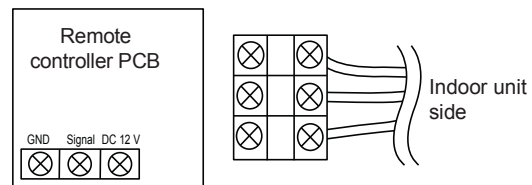
- Depending on your environment, you can install the controller neatly by placing the wall plate on the wall and tightening the back cover.

- 5 Arrange the lines in three ways below, depending on cable hole location.



(Figure.2)

- 6 Connect each wire in terminal block according to wiring diagram.



Installing the controller

Follow this procedure to install the controller

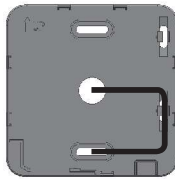
NOTE

- Do not bury the wired remote controller in the wall. Cable spec : 3 conductor, 22 AWG, unshielded, twisted, and stranded.
- Do not install cables longer than 50m, 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 in the space before handling the remote controller to discharge the static electricity from the body.
- If the indoor unit does not have screw terminals for field wiring, Extension cable PZCWRC1 is required. The green Molex connector of connector of this cable connects to the indoor unit. The white Molex connector of this cable is removed and connect the wires to the Remote controller as described below.

8 PARTS AND INSTALLING THE CONTROLLER

NOTE

- Failure to follow the guidelines may result in part damage due to interference with the mechanical. Be careful not to let the cable pass over the wireless equipment.
- You can arrange the lines more easily while placing the top cover and fastening as shown in the figure 2.



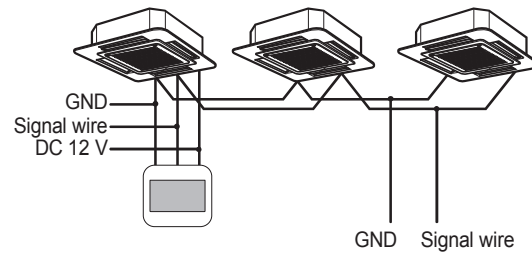
Top cover

- 7 Place top cover on back cover and gently press to close.
- 8 Fasten a screw to assemble top and bottom cover.



Using Group control

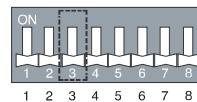
Control by connecting 2 to 16 air conditioner indoor units to one wired remote controller.



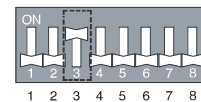
NOTE

- Connect using the group control cable. (Model : PZRCWRCG3)
- 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 (Factory
default setting)



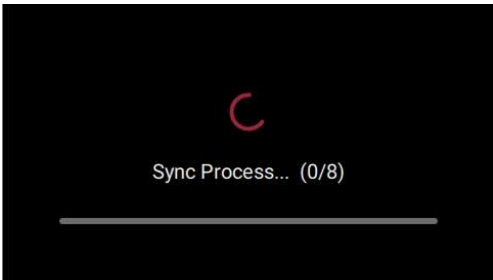
#3 switch ON:
Slave

- For ceiling type cassette and duct product, change the switch setting of the indoor PCB.
 - 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.
- 2-Remo function is not supported.

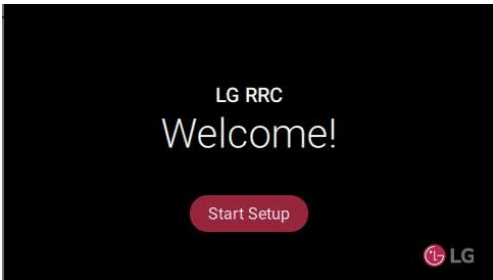
STANDARD OPERATION

Installation wizard

- 1 The welcome screen will be displayed after synchronizing with the indoor unit. This may take up to 90 seconds.

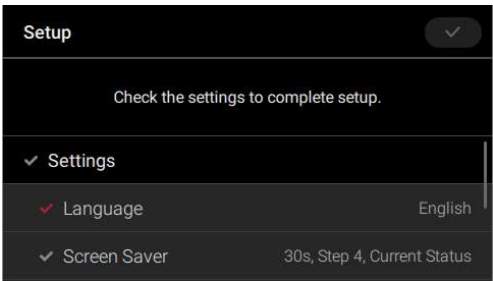
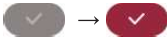


- 2 Please check the settings displayed on the screen and set them up.

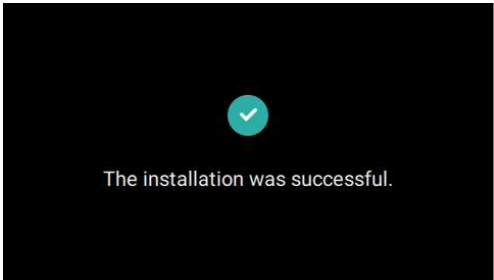


- 3 The Check icon will change after the Installation Wizard menu is confirmed. ✓ → ✓

- 4 The Finish button will be activated after all the Installation Wizard menus are confirmed.



- 5 The installation is finished once the Complete button is tapped.



NOTE

- If the installation of wizard is not complete, it will run at every booting.
- After completing the installation of Wizard, you can check a list of items of installation of Wizard at Setting – SVC Contents – Setup.
- Refer to the general setting and schedule settings page for detailed setup instructions.

View Screen

The Home screen of the wired remote controller consists of the Operating Information screen, Air Quality Level screen and System Monitoring screen.

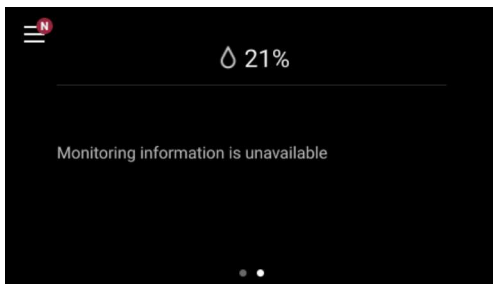
1 Operating Information



2 Air Quality Level



3 System Monitoring



NOTE

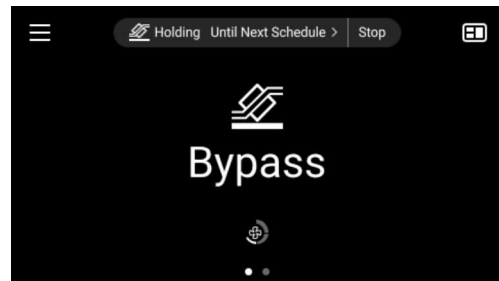
- Swipe left or right to switch between screens.
- Please check the detailed description of each screen in the detailed description page.

The Operating Information screen displays the following according to the indoor unit connected:

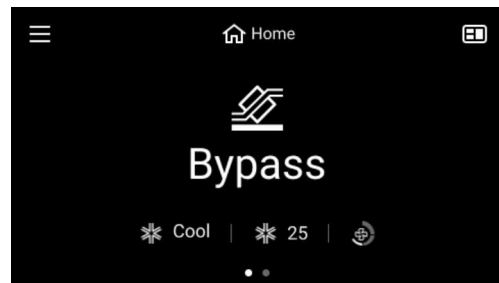
1 Air conditioner



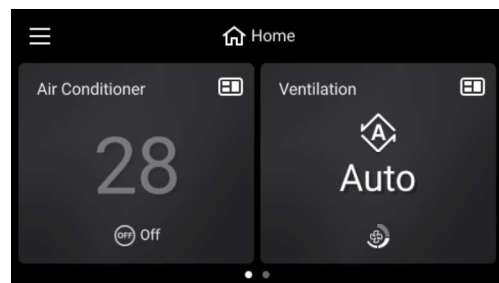
2 General ventilation



3 DX ventilation



4 Interlocking operation of air conditioner/ventilation



Standard Operation

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	Aircon	Ventilation	Explanation
Cool	O	DX	Set the desired temperature below the indoor temperature. It cools the room with a pleasant and fresh wind.
Heat	O	DX	Set the desired temperature above the indoor temperature. It provides warm air for the indoor.
Auto	O	DX	The product automatically provides a suitable temperature wind for indoor.
Dry	O		You can dehumidify and cool at the same time. It is suitable for use when humidity is high.
Fan	O		Air that has no temperature difference compare to indoor is released to circulate the indoor air.
Bypass		General DX	Exhausted air is ventilated not through the total heat exchanger. It is suitable for use in seasons with small indoor/outdoor temperature differences or when indoor pollution is severe.
Heat Exchange		General DX	Both supply air and exhausted air are ventilated through the total heat exchanger. It is suitable for use in seasons with large indoor/outdoor temperature differences.
Ventilation Auto		General DX	Sense the indoor and outdoor temperature and automatically operate in optimum ventilation mode.
OFF	O	O	Product operation is stopped.
Emergency Heater	O		After the emergency heater is set up for use, the operation mode can be selected in the emergency heating operation condition using the heater.

Air purify	O		Single operation of an air purifier.
Power Heat	O		Increases room temperature quickly.
Power Cool	O		It quickly lowers the room temperature.
Himalaya Cool	O		The local special function applied to models in the India region quickly reduces room temperature.
Monsoon Dry	O		A local special dehumidification function applied to models in India.

ENGLISH

NOTE

- The reason why the cool air isn't coming out immediately after cooling is stopped is because of its function to protect the compressor. After 3 minutes, the compressor operates, and a cold wind comes out.
- Heating/automatic operation only works on heating and cooling models.
- Depending on the outdoor unit cycle operation, the background color of the home screen is expressed in red for heater and blue for air conditioner.
- The emergency heater is activated under emergency heating conditions after installation and related settings.
- Depending on the product, some functions cannot be set.

② Room temperature

Displays room temperature.

12 STANDARD OPERATION

③ Setting temperature

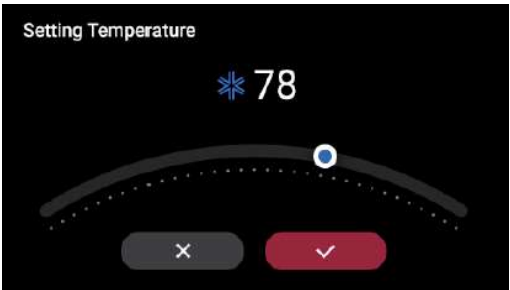
Select the setting temperature or current temperature icon.

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

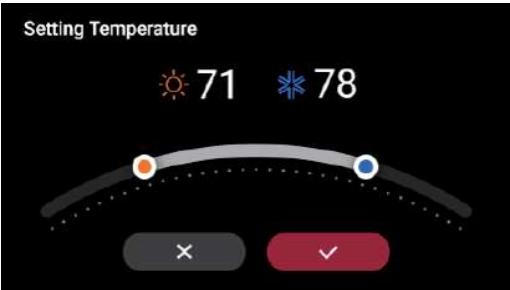
Set the desired temperature by adjusting the lever left and right.

Use type	Operation	Model	Set temperature
1set	Cooling	-	60°F ~ 86°F (16°C ~ 30°C)
	Heating	-	60°F ~ 86°F (16°C ~ 30°C)
	Auto	Cooling model	Cold, Little Cold, Good, Little Hot, Hot
		Cooling/Heating model	64°F ~ 86°F (18°C ~ 30°C)
2set	Auto	Cooling	50 ~ 99 °F (10 ~ 37.5 °C)
		Heating	40 ~ 90 °F (4 ~ 32 °C)

1 SET



2 SET



NOTE

- Dry/fan operation cannot set desired temperature.
- The setting temperature may vary depending on the type of indoor unit.

④ Fan speed setting

Select the fan speed icon to select the desired fan speed from the options list.

Option
Low-Med
Med
High
Power
Auto

NOTE

- Depending on the product, some functions cannot be set.
- “Auto” can only be used when installing CO₂ sensors when using ventilation products.

⑤ Advanced functions

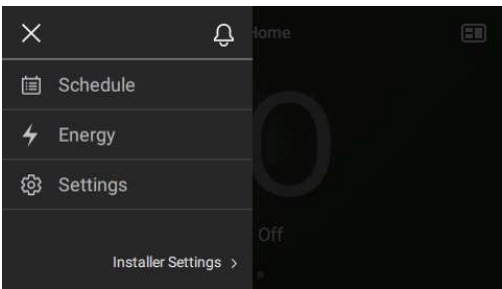
You can use additional functions.

Please refer to the Additional Functions' Detailed Description page.

⑥ Menu

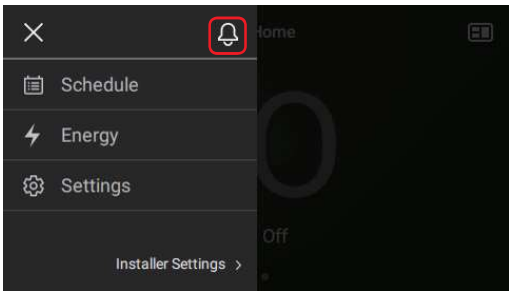
Select the menu icon to set the schedule, energy, settings, and installer settings.

You can also check if there were any errors.



NOTE

- If an error occurs, a notification icon is displayed with the number of errors.



NOTE

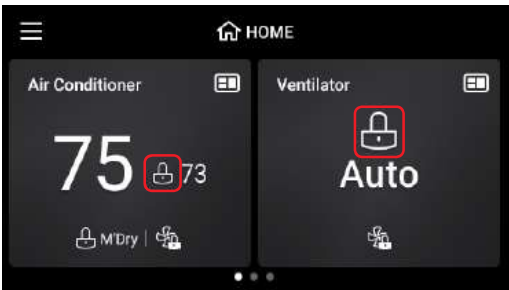
- Tap the icon to go to the Error History screen.

⑦ Schedule operation

Check the schedule information that is currently operating.
Please refer to the Schedule's Detailed Description page.

⑧ Lock

When locking a function by remote controller or central controller, a lock icon is displayed.

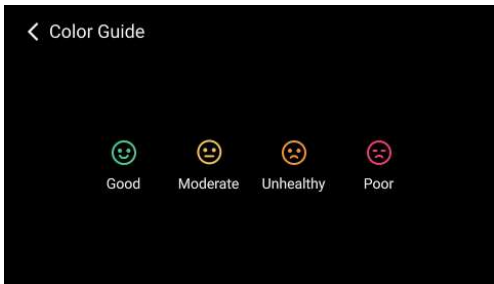


NOTE

When you enter Settings – General Settings – Lock menu, you can set/check the lock status.

Fine dust status

You can check the fine dust status by selecting the air purifying icon on the home screen.

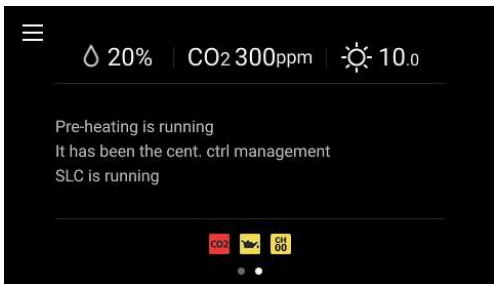


NOTE

- The air purifying icon is only displayed when air purifying is on and operating.
- The total index shows the worst of the 3 dust state values as representative values.
- You can go to the air purifying display screen by flipping the screen on the home screen.

Monitoring information

The monitoring information can be checked by swiping left or right from the home screen.

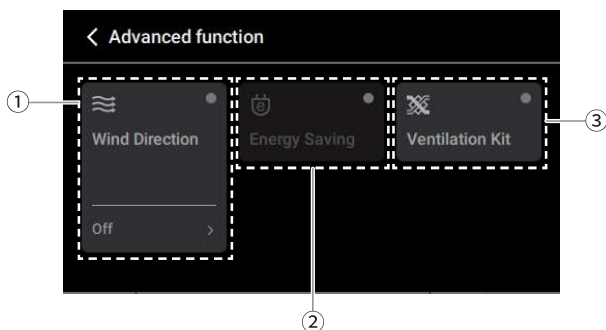


NOTE

- At the top of the screen, humidity Co2 concentration and outdoor temperature are displayed.
- The product operation status is displayed in the center of the screen.
- An alarm is displayed at the bottom of the screen when there is a problem with the product.

ADVANCED FUNCTION

Try the advanced function of the product.



- ① Detailed settings other than set or cancel is required for this item. Tapping an area above the item changes the set ↔ cancel status and tapping an area below moves to the Setup Details page.
- ② The product supports this function, but is in an inoperable state.
- ③ The function can be used just by selecting set or cancel without detailed settings.

NOTE

- The color of the upper icon changes according to the status of the settings.

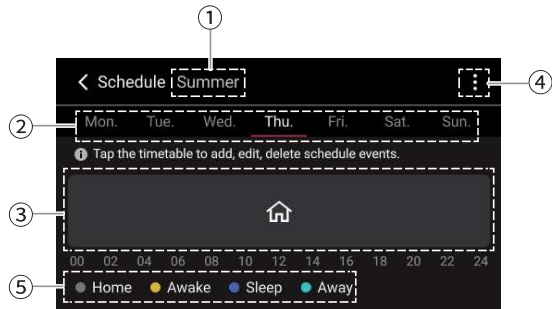
Set :  Cancel : 

Operation	Aircon	Ventilation	Description	Note & Option
Electric Heater	O	O	When operating heating, turning on the electric heater will further enhance the heating capability.	On / Off
Energy Saving	O		This function improves user comfort and power saving performance by controlling desired temperature during cooling operation.	On / Off • It's only possible when you're operating with cooling. • Can't be used simultaneously with smart mode and refresh mode.
Fan Auto	O	O	This function is set for the indoor fan operation when the indoor unit thermal is off.	On / Off • If set to 'ON', fan operation keeps on after thermal operation of indoor units.
Comfort Cooling	O	DX	The product will continue to operate even after the desired temperature is reached, and the cooling intensity can be automatically adjusted to maintain comfort.	On / Off
Ventilation Kit	O		This function sets the operation of the ventilation kit that can be additionally installed in the indoor unit.	On / Off
Energy saving with ventilation	O		This function saves energy by using cold outdoor air when cooling is operated with ventilation products that are interlocked.	On / Off
Air Purification	O	O	It makes the indoor air clean and pleasant.	On / Off • It can only be operated when the product

Robot Cleaning	O		After using the air conditioner for a certain period, the kit attached to the product cleans the filter. Available after 30 seconds of stopping product operation, select whether to operate automatically as an option.	On / Off		
Humidification	O	O	If the room is dry, the humidifier installed on the product can be operated.	On / Off		
Mosquito Away	O		Set operation/stop of mosquito away function.	On / Off		
Zone Control	O		When interlocking with duct products, up to 8 zones can be set and each zone can be controlled. • Duct products should support zone control function and be equipped with damper controls device. • Set Zone type and number first.	Tab the zone to use and control to set it on/off.		
Additional operation		O	Set advanced operation of ventilation products.	Off	Fast	Energy save
					Ventilate quickly by quick setting.	It effectively ventilates and performs savingpower function.
Wind direction	O		Select the wind direction you want. • Smart mode : Smartly keeps set temperature by adjusting the wind direction automatically. • Refresh mode : Adjust the temperature of the direct and indirect wind to create a comfortable and efficiency working environment.	• Up/Down Swing • Left/Right Swing • Up/Down/Left/Right Swing • Swirl • Indirect Wind • Direct Wind • Human Detection Indirect Wind • Human Detection Direct Wind • Smart Mode • Refresh Mode		

SCHEDULE

You can use the product by registering the schedule from the menu.



① Displays the seasonal information of the current operating schedule.

Schedule Information for the day of the week selected in number ② is displayed in number ③.

To change the schedule, please tap the corresponding area in number ③.

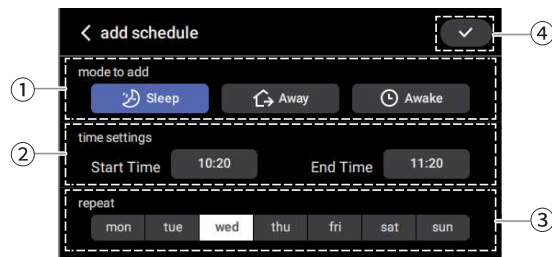
④ Brings up the settings menu related to the schedule.

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

NOTE

- The basic mode is Home Mode.
- Please refer to each item's detailed page for the setting method.

Add/Edit



① Please select the schedule mode.

② Please set the time zone for which the schedule is to be operated in.

- When the start time is in the afternoon (PM) and the end time is in the morning (AM), the schedule after midnight will be set as a schedule in the following day.

③ Please set the day of the week for which the schedule is to be operated in.

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

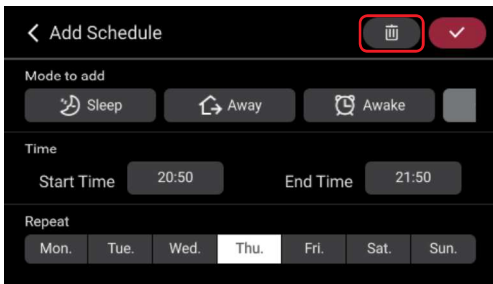
NOTE

- Only one schedule mode can be set for any given time period.
- The schedule can be set in increments of 10 minutes for a minimum length of 1 hour.

Delete

Select the schedule event you want to delete from Timeline, and then press delete on the edit screen.

Schedule mode remains and only the event content that you set in that schedule mode is deleted.



NOTE

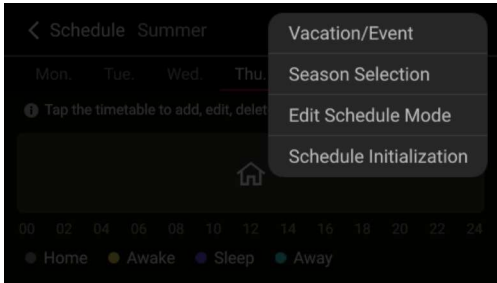
- When you want to delete a schedule

NOTE

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

- Select the time in the upper bar to change the hold time.

Schedule setting



ENGLISH

Select the setting icon and use the schedule more efficiently through advanced settings.

Mode	Description
Vacation / Event	You can hold the existing registered schedule operation and temporarily change the operation mode to use.
Switch Season	A simple change can create a pleasant indoor environment suitable for the season. *Set the schedule operation mode using the edit schedule mode function first.
Edit schedule mode	Please register the seasonal schedule mode in detail.
Schedule initialization	All the schedule related information will be initialized.

NOTE

- During vacation mode, the vacation mode may be disabled if operation mode or desired temperature is changed.

② Switch season

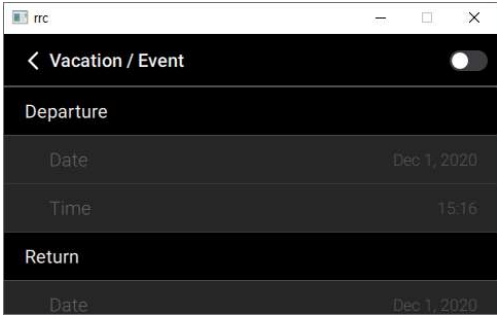
- 1 You can set a different schedule for each season. Change the season by choosing Switch Season.

Season
Summer
Winter

- 2 When the season changes, the schedule mode of the changed season is operated.

① Vacation / Event

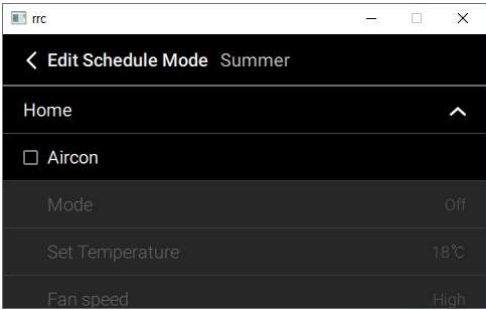
- 1 Set the date, time, and product operation standards to use vacation mode. Select Back to complete the setup.



- 2 On the set date , the setup information is displayed at the top and the registered schedule operation is hold.

③ Edit schedule mode

- 1 Check the box to select the product to be used in each scheduled operation mode and set detailed operation information.



NOTE

The setting is completed when you select Back.

Display schedule status

The status of the schedule can be checked on the Operating Information screen of the Home screen.



1 Standard schedule

Displays the current operating schedule mode.



① Tap to change to another schedule mode.

NOTE

- If another schedule mode is selected, it will operate according to the operating information of the corresponding schedule mode.

2 Vacation schedule

The Vacation is displayed while the vacation schedule is in operation.



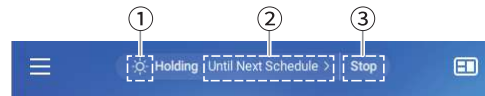
- ① Display the end date of the vacation schedule.
- ② The vacation schedule operation will immediately end when tapped.

NOTE

- The standard schedule will commence upon completion of the vacation schedule.

3 Schedule hold (temporary schedule)

The currently running schedule is temporarily suspended and is temporarily operating in another mode.



- ① Displays the types of schedule hold.
- ② Displays the schedule hold function duration and the time can be set when tapped.
- ③ Schedule hold will end immediately when tapped.

NOTE

- When the setting is changed for one of the three items (Operating mode / Desired Temperature / Schedule mode), the Schedule hold function will begin.
 - The type of schedule hold is determined by which item setting was changed and is displayed in number ①.
 - When 2 or more settings are changed, the schedule hold type will not be displayed in number ①.
- The operating duration of the schedule hold is based on the time set in the remote controller-current time.
- The standard schedule operation will commence upon completion of the schedule hold.

ENERGY

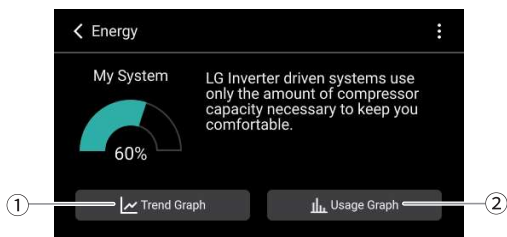
Tap on the energy item in the menu.

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

NOTE

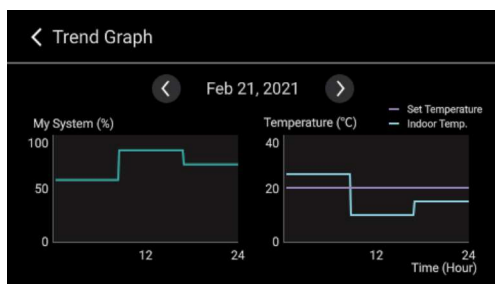
Depending on the units selected, the accumulated energy usage/power over a day/week/month is displayed.

ENGLISH



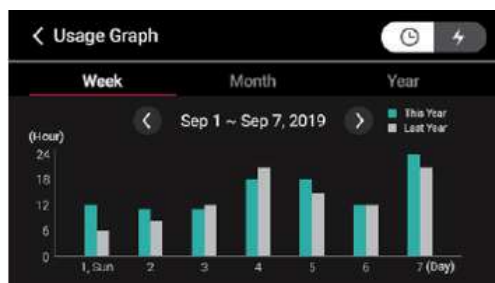
① Trend graph

You can check the trend of 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 / wattage.

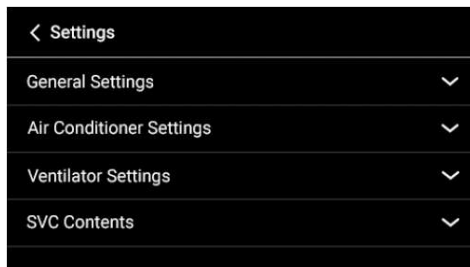


SETTINGS

Select the Setup icon from the menu.

General settings for the use environment configuration, and product settings and SVC setting for using air conditioner/ventilation products are available.

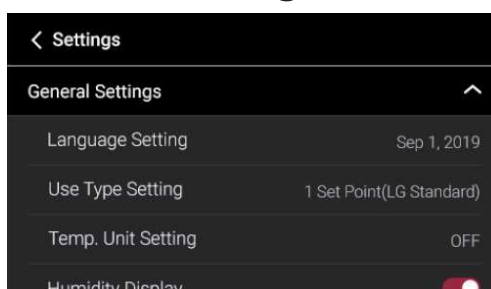
General setting



Function	Description	Note & Option		
Language	Set the language you will use	English / Español / Français		
Use type	Set the type of use of wired remote controller	Single / Dual		
Temp. unit	Set the temperature unit to be displayed on the screen.	Celsius		Fahrenheit
		Minimum unit can be set to 0.5 °C or 1 °C.		
Screen saver	To use the standby screen, change the Always on setting to on, then set the rest of the items in detail.	Screen Saver Timer	LCD Brightness In Idle	Contents
		Off 15 s 30 s 1 min	Off 25 % 50 % 75 % 100 %	Current Status Time & Date Weather (need to connect wi-fi) Air Quality (need to install PM Sensor)
		If the standby screen is used at 30% brightness, the life of the LCD may be reduced.		
Edit Schedule mode	Set the operating standards for each schedule mode.	Set detailed operating standards for air conditioner and ventilation products by Home, Sleep, Away, Awake schedule mode of the current season. Refer to the content of Schedule setting- Edit schedule mode.		
Date & Time	Set the date, time, and summer time to display on the screen.	-		
Vacation/event	You can use the product by temporarily changing the schedule operation.	Select by toggling on/off of the function usage and set the setting period and product operation standard in detail. Refer to the content of Schedule setting- Vacation/ Event.		
Schedule Initialization	You can reset the schedule by deleting it all at once.	-		
Lock	This function locks the button on the remote controller to prevent children and others from using it recklessly.	All Lock / Running mode Lock / Fan speed Lock/ Temperature Lock / Set temperature Lock		
System Reboot	You can restart the system.			
Humidity display	Set whether to display humidity value.	ON/OFF When it is set to "On", the humidity value is different depends on the humidity detection location setting (installer setting). 1) Remote controller: Display the humidity that remote controller sensed 2) Indoor unit : Display the humidity that indoor unit sensed. However, if no information is received, no humidity is displayed.		

Function	Description	Note & Option
Display Opposite Mode	This is a function to set whether to display the operation mode selection impossible status according to the operation of the outdoor unit when the cooling/heating mode is selected for products that do not support simultaneous cooling/heating operation.	On / Off
Password	Set the password to prevent unauthorized change to remote controller settings.- If the password is set, when you enter "menu – setting", you need to input password to enter the setting list.- When you forgot the password, you can initialize the password using the installer setting's "password initialization". The initialized password is "0000".	-
Remote Controller Wi-Fi Pairing	This function executes the pairing function of the Wi-Fi module connected to ThinQ App.	
Auto return to main screen	This is a function to set whether to automatically return to the main screen when there is no touch input for a certain period of time.	On / Off
Sound	Activate touch button sound effect	On / Off

Air conditioner / Ventilator setting



Function	Product		Description	Option		
	Aircon	Vent.		All	Each/Customize	Standard
Vane Angle control	O		You can adjust the angle of the wind.	All vanes operate the same at the set angle.	The angle for each vane can be set individually.	Vaness are controlled as standard movements for each product.
Elevation Grill	O		When cleaning the indoor unit filter, move the elevation grill up and down.	Up / Stop / Down		
Robot Cleaning	O		After using the air conditioner for a certain period of time, it is the cleaning function of the kit attached to the product. Available after 30 seconds of operation stop, select whether to operate automatically as an option.	Automatic : Automatically performs after 30 hours of accumulated indoor unit operation. Manual : Performs manually.		
Auto Dry	O		When the product is turned off after cooling operation, mold or moisture can be removed by drying the inside of the room.	ON/OFF		
Filter Sign	O	O	You can check the information remaining after using the filter and reset the usage time.	Note that filter use information is a reference item, that the actual filter status may vary depending on the installation environment and usage conditions. • If dust gets on the filter, the cooling/heating ability decreases and the electricity bill is high, so make sure to clean the filter when it is time to clean it.		
Change Temperature	O	O	In Auto operation mode, the cooling and heating operation is automatically converted and operated according to the set temperature.	2~14 °F (1~7 °C)		
Dead Band	O		This function sets the minimum difference between heating and cooling desired temperature in 2set Auto mode.	0~10 °F (0~5 °C)		

22 SETTINGS

Function	Product		Description	Option			
	Aircon	Vent.					
Wi-Fi pairing	O		This function executes the pairing function of the Wi-Fi module connected to the indoor unit.	-			
Zone Name	O		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	O	O	Set the steps for comfort cooling operation of outdoor unit.	Off / Step1 / Step 2 / Step 3			
ODU Refrigerant Noise Reduction	O	O	This function sets the refrigerant noise reduction mode of the outdoor unit.	This function is available only if the outdoor unit M/S setting of the installer settings is Master.			
Smart Load Control	O	O	This function improves operation efficiency based on indoor, outdoor temperature and humidity values. Set SLC step value.				
Defrost Mode	O	O	This function sets the defrost mode operation of the outdoor unit.				
Low Noise Mode Time	O	O	The product will operate in quiet mode for the set time.	Set the Start time / End time. Set the Start time / End time. It is only possible to set when the outdoor unit M/S setting of the installer setting is Master and the outdoor unit low noise mode priority setting is "Remote controller".			
Advanced Fan Speed "Auto"	O		It is a function to create a pleasant indoor environment, the fan speed is automatically adjusted according to the difference in indoor/desired temperature.	On/Off			
Delay Time		O	After a delay for the set-up time, the ventilation system operates.	5 / 10 / 15 / 20 / 25 min			
Midnight Air Cooling		O	You can save energy by releasing indoor heat at night in summer and supplying cool outdoor air to indoor.	Enter the midnight air cooling only when the set time is satisfied with the outdoor temperature conditions.			
My Favorite Temperature	O		This function remembers the desired temperature that the user frequently sets and automatically sets it during the initial operation.	On/off			
CO ₂ Fan Control		O	This function sets the FAN operating standards based on the CO2 concentration of ventilation products.	Fan Control During Operation On		Fan Control During Operation Off	
				Off / Low / Periodic		Off / Periodic	
Human Detection Mode	O		Energy saving can be achieved through power saving operation and wind direction setting through human sensing.	Vision Saving		Absent Timer Setting	
				Power Saving Saving Off		5/10/15/30/60	
Human Detection Mode	O		Energy saving can be achieved through power saving operation and wind direction setting through human sensing.	Vision Wind Direction		Human Detection Direct	
				WindHuman Detection Indirect Wind			
Top And Bottom Selection	O		This function sets the use of the upper and lower vanes when operating the product.	Both Open / Upper Vane Open / Lower Vane Open			
Economizer	O		Provides outside air to a room to save energy and improve the air quality indoors	Off	Auto	Step 1	Step 2
				Disable the economizer function to keep the outside air damper closed.	If the outside air temperature is lower than the air temperature indoors when cooling is being operated, outside air is supplied to the room to save energy.	Opens the outside air damper opening by one stage to improve the indoor air quality by introducing fresh air into the room.	Opens the outside air damper opening by two stages to improve the indoor air quality by introducing fresh air into the room.
Indoor Unit Display Light Brightness	O		This function adjusts the brightness of the indoor unit display light.	On	Off	Auto	
				-	"Off" setting is only available in the indoor units that have brightness control function.	"Auto" setting is only available in the indoor units that is equipped with the human detection sensor. When set to Auto, the indoor unit display light brightness will automatically adjust according to the illuminance detected by the human detection sensor.	

NOTE

Depending on the product, some functions may not work.

 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.

ENGLISH

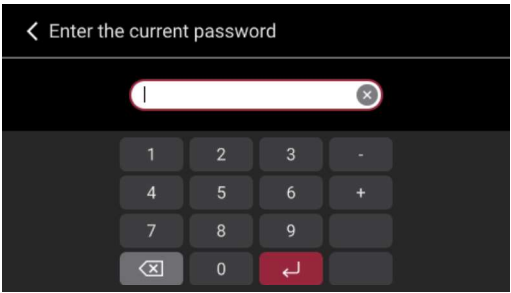
SVC Contents

< Settings	
General Settings	▼
Air Conditioner Settings	▼
Ventilator Settings	▼
SVC Contents	▼

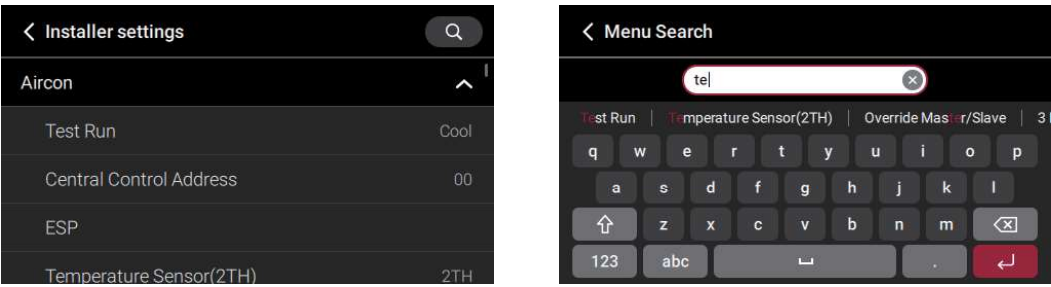
Function	Description
Service Contact	If something goes wrong with the product, please register possible contact number.
Model Information	You can check the connected indoor/outdoor unit product information.
Model Name	Check the model information of the wired remote controller in use.
SW version	The version information of the SW you are using is displayed.
Control History	Error history and information can be checked.
Open Source License	Open source information is displayed.
Setup	Various setting set by Setup Wizard can be changed.
Software update	A function to update the software version of the wired remote control using the OTG port

INSTALLER SETTING

Tap the menu and select the Installer setting.
Please enter the password. The configurable items are displayed.
* How to know the password
Move to the “SW version” menu. (Menu → SVC contents → SW version)
If SW version is 1.00.0a, password is 1000.



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.



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

Air conditioner Installer setting

ENGLISH

Function	Product		Description	Option		
	AIRCON	Vent				
Test Run	O	O	It is the function to test the operation at initial installation.	Cool test Run / Heat Test Run		
Central Control Address	O	O	Assign a unique address code of indoor units when used with central controller.	00~FF		
ESP	O		Sets the wind amount value for each fan speed.	Select fan speed one by one to set each RPM value.		
Temperature Sensor(2TH)	O	O	Select which standard temperature value that will be used to control temperature.	Remote controller / Indoor unit / 2TH		
Ceiling Height Selection	O		It is the function to change the wind amount according to the ceiling height for the ceiling type products.	Low / Standard / High / Super High		
Static Pressure	O		This function changes the fan speed in the indoor FAN according to the opening and closing quantity of Damper.	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	O	O	This function prevents operation of other modes. Products set as slave can only be changed to the operation mode of the master product. - Unable to operate cooling and heating at the same time	Master / Slave		
Dry Contact Mode	O	O	This function activates/inactivates the dry contact auto function.	Automatic / Manual		
Fixed Air Volume	O	O	This function sets the fan speed mode of the indoor unit to variable/fixed.	Variable Operate to set fan speed at COMP ON. Operate to low fan speed at COMP OFF.		Fixed Operate to set fan speed at COMP ON. Operate to set fan speed at COMP OFF.
Zone type	O		This function sets the type of zone controller (New or Old) of the indoor unit.	Old Only the operation status of the zone using a wired remote controller can be checked.		New or 8 zone Zone control and monitoring is possible using wired remote controller.
Zone Number	O		Set the number of installed zones in case of using new type of zone	2~8		
Pipe Temperature	O	O	You can check the temperature of the pipe temperature.			
Func. Control During Grp. Control	O		You can set the emergency heater usage and environment.	① Use	② Outdoor temperature standard heater operation enable setting and temperature step value	③ Fan operation in Emergency
				Use Not Use	Not use Step1 Step2 Step3	On Off
Function setting during Group control	O		This function selects the operation standard of the product when controlling the group.			
Option kit installation - Air purify / Heater /Humidification / Elevationgrill / Ventilation /Refrigerant leakagedetection sensor	O		Please set whether to install the option kit.	Not installed / Installed		
IDU Address Verification	O	O	Check the value of Auto Addressing of the outdoor unit with the remote controller.			

26 INSTALLER SETTING

Function	Product		Description	Option					
	AIRCON	VENTILATOR							
Static Pressure Step	O		This function allows you to set the static pressure of the duct product by subdividing it into 11 steps.	Step 0~ Step 11 If you step settings, static pressure settings is not used. • Refer to the indoor unit product manual for the static pressure values in each step.					
Guard Timer	O		The standby time can be set to protect the outdoor unit during cycle transition of 2 set auto mode operation.	Step 0	Step 1	Step 2	Step 3	Step 4	
				0 min	15 min	30 min	45 min	60 min	
Fan Speed in Cooling Thermal Off	O	O	It is a function that sets the indoor unit fan operation, in cooling mode, when thermal is off.	Low / Off / Setting value					
Primary Heater	O		When it is heating mode, the use of the heater can be prioritized over the outdoor unit cycle to increase efficiency.	On/off toggle					
AC. Fan Oper. Interlocked With Vent.	O		It is a function to set the operation status of air conditioner fan when the air conditioner is off, in the interlock status of the ventilation product, and when operating ventilation product.	Off Fan off			Low Extremely low wind		
Indoor unit Auto Start	O	O	In the event of a power outage, you can set whether to recovery the product to its previous operating state.	Not use Reset to operation off state			Use Reset to previous operation state		
occupancy duration time	O		This function sets the minimum retention time required for occupancy condition recognition when using an occupancy sensor through dry contact.	0 / 10 / 30 / 60 min					
CN-CC	O		This function is used to set the usage of the CN_CC port of the indoor unit.	Automatic / Manual Uninstalled / Manual installed					
CN-EXT	O	O	This function determines the use of the CN_EXT port of the indoor unit.	• Not use: Use simple dry contact setting • Simple operation: control Simple operation On/Off • Single emergency stop: Indoor unit single emergency stop • Occupied / Unoccupied: Occupied / Unoccupied • All emergency stop: Indoor unit all emergency stop ※ It can be set only when there is indoor unit emergency stop function. • Window contact: Window contact ※ It can be set only when there is window contact function. • Window contact lock: Window contact with lock ※ It can be set only when there is window contact lock function.					
ODU Function Master	O	O	It is the function to set the outdoor unit's function Master / Slave.	Master / Slave.					
FAN Continuous operation	O		Fan operation of the indoor unit can be operated longer than before to maximize cooling/heating efficiency.	On/Off					
Low noise mode priority	O	O	This function sets the object to prioritize low noise mode.	Outdoor unit / Remote controller					
Lamp Color Setting	O		This function selects the LED color to display the fine dust status of the product.	Automatic / RGB / YGG					
Dust Step Color Setting	O		You can change the color display method for each stage of fine dust according to national standards.	Type1: Blue-Green-Orange-Red Type2 : Green-Yellow-Orange-Red Type3 : Green-Yellow-Orange-Red-Pink-Purple					
Human Detection Sensor	O		Set up detailed settings for using the human body detection kit.						
Humidity Sensing Position	O		This function sets the position of humidity detection.	Remote controller / Indoor unit					
ODU Cycle Priority	O		This function sets the standby mode/ priority cooling function usage setting and cooling thermal off time when setting the priority cooling.	Not use Standby Mode Priority					
Outdoor Temp. For Heating Stages	O		This function sets the standard of outdoor unit cycle and heater operation according to outdoor temperature conditions.						

Function	Product		Description	Option
	AIRCON	VENTILATOR		
Estimated Energy Display	O		This function can set to display energy data which outdoor unit estimated.	On / Off
CN-PTC	O		This is a function to select the use of CN-Port of indoor unit.	On / Off
Temperature Compensation	O		You can display on the screen by applying offset to the temperature value detected by the remote controller.	-5 °C ~ +5 °C(0.5 degree unit)
Humidity Compensation	O		Offset can be applied to the humidity value detected by the remote controller to display on the screen.	-10% ~ +10%(1% unit)
FAN Operation Time	O		This function displays the accumulated operating time of the indoor Fan motor.	

Function	Product		Description	Option	
	AIRCON	VENTILATOR		Master/ Slave	Master Address
Indoor Temperature Master/Slave	O		This function sets the master/slave for the temperature sensor by indoor unit.	Not use Master Slave	00~FF
indoor unit operation time	O		This function displays the cumulative time of power applied to the indoor unit.		
Indoor unit Physical address	O		Set the physical address of the indoor unit		
Thermopile sensor	O		Set whether to use the floor thermopile sensor.	On/off	
Air supply ESP		O	It is the function to set the air supply fan speed value	Fan Speed RPM	
				Low High Turbo	0 ~ 255
				Fan Speed RPM	
Air Discharge ESP		O	It is the function to set the exhaust fan speed value.	Fan Speed RPM	
				Low High Turbo	0 ~ 255
				Fan Speed RPM	
Product Direction		O	It is the function to set the unit's installation direction.	Normal / Reverse	
Express Ventilation setting		O	It is the function to set the priority of the air flow during the express ventilation operation.	Air Supply First / Air Exhaust First	
Humidification of Stand-Alone Vent. Mode		O	Set whether to use the humidification function when operating the ventilation alone.	On/Off	
Humidification of Vent. With Heating Operation		O	This function sets the heat humidification function of DX ventilation to automatic or manual.	Automatic / Manual	
Vent. Standard Fan Speed		O	This function changes the standard fan speed of ventilation.	Basic setting Value / 10% /10% up / 20% down	
Filter Check Alarm		O	This function sets the filter replacement cycle for ventilation products.	Step 0 ~ Step 5	

USING LG THINQ APPLICATION

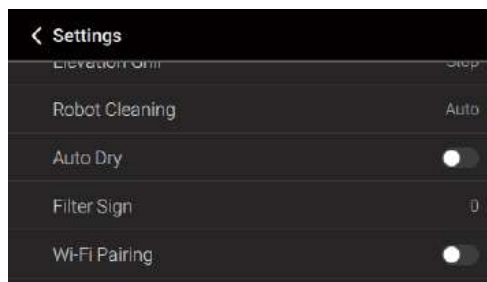
You can easily change the desired settings through the ThinQ App after directly connecting the wired remote controller to the ThinQ App.



After the wired remote controller is connected to the ThinQ App, in addition to controlling the functions of the indoor unit connected to the wired remote controller, the App can be used to set remote controller exclusive functions such as schedules.

NOTE

- Bluetooth function is not supported.
- Even when the “Wired Remote Controller - ThinQ App” is connected, the image of the connected indoor unit will be displayed on the ThinQ App screen.
 - Please change the name displayed in the App to differentiate it from the “Indoor Unit-ThinQ App” connection.
- The “Wired Remote Controller - ThinQ App” connection and the “Indoor Unit - ThinQ App” connections are different functions.
 - Please turn on the Wi-Fi pairing of the Setting-Air conditioner setting for the “Indoor Unit-ThinQ App” connection.



SPECIFICATIONS

Open source software notice information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

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.

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

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.

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.

Residential Remote Controller specifications

Model	PREMTA200
Frequency Range	2412 MHz ~ 2462 MHz
Output Power (Max)	< 30 dBm