



# INSTALLATION MANUAL

# AIR CONDITIONER

Please read this installation manual completely before installing the product.  
Installation work must be performed in accordance with the national wiring standards  
by authorized personnel only.  
Please retain this installation manual for future reference after reading it thoroughly.

**AC Smart 5**  
PACS5A000  
Original instructions



MFL70206502  
Rev.14\_102325



[www.lg.com](http://www.lg.com)

Copyright © 2018 - 2025 LG Electronics Inc. All Rights Reserved.

ENGLISH

ITALIANO

ESPAÑOL

FRANÇAIS

DEUTSCH

ΕΛΛΗΝΙΚΑ

ČEŠTINA

NEDERLANDS

POLSKI

LIMBA ROMÂNĂ

SLOVENČINA

SLOVENŠČINA

LATVIŠU VALODA

LIETUVIŲ KALBA

GAEILGE

МАКЕДОНСКИ

SHQIP

BOSANSKI

EESTI KEEL

MALTI

PORTUGUÊS

MAGYAR

БЪЛГАРСКИ

SRPSKI

HRVATSKI

SVENSKA

NORSK

DANSK


ESTONIAN

MALTAISE

## SAFETY INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

 This symbol is displayed to indicate matters and operations that can cause risk.  
Read the part with this symbol carefully and follow the instructions in order to avoid risk.

### **WARNING**

This indicates that the failure to follow the instructions can cause serious injury or death.

### **CAUTION**

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

### **WARNING**

#### Installation

- To reinstall the product, please contact the dealer from where you purchased the product, or a service center.
  - Installation of the product by an unauthorised person may result in fire, electric shock, explosion, injury, or a malfunctioning of the product.
- Do NOT twist or damage the power cord.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.
- For electrical work, please contact the dealer from where you purchased the product, or a service center.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.

- Install the product in an area shielded from rain.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.
- Do NOT install the product in a humid area.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.
- For installation of the product, please contact the dealer from where you purchased the product, or a service center.
  - Installation of the product by an unauthorised person may result in fire, electric shock, explosion, injury, or a malfunctioning of the product.
- For electrical work, it is advisable for the electrician to refer the installation manual and specified circuit diagram.
  - Using an unsuitable cord, or having a non-professional work on the electricals may result in fire or electrical shock.
- Do NOT place the product near a fire source.
  - It may result in combustion.
- If the product is installed in a hospital or a communication base station, shield the product from electrical noise by providing sufficient protective equipment.
  - Protective equipment prevents the product from malfunctioning.
- Securely install the product.
  - If the product is not secured during installation, it may fall or malfunction.
- Read the manual thoroughly to correctly install the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.
- When wiring the product, do not use a non-standard cable, nor extend the cable excessively.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.
- Securely install the power cord and communication cable.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.

- Do NOT connect the power cord to the communication terminal.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.
- Do NOT install the product in an area near combustible gases.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries or product malfunctioning.

### Operation

- Do NOT place a heavy object on the power cord.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT change or extend the power cord arbitrarily.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Use the cord specific to the product.
  - Using an unauthorised non-standard cord may result in a fire or electric shock.
- Do NOT use a heat device near the power cord.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Ensure that water never gets into the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT place any container with liquid on the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT touch the product with wet hands.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.

- Use standard components.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- If the product has been submerged in water, you should contact a service center.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT shock the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT store or use any combustible gas or flammable substances near the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT disassemble, repair, or revamp the product arbitrarily.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Children and the elderly should use the product under the supervision of a guardian.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- The guardian should prevent children from accessing the product.
  - The product can be damaged or it may fall, causing injury to children.
- Note that the operating temperature range of the product is between 0 and 40 °C (32 and 104 °F).
  - If the product is used outside this range, the product may be severely damaged.
- Do NOT depress the switch or button using a sharp object.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.

- Do NOT wire the product while it is turned ON.
  - It may cause a fire or electric shock.
- If the product sounds different or emanates an unpleasant odor, stop using the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT place a heavy object on the product.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT spray water on the product, or clean it with a water-soaked cloth.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Do NOT use the product for the preservation of animals and plants, precision instruments, art pieces, or for other special purposes.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.
- Dispose the packing material safely.
  - Follow the below precautions properly; else it might result in a fire disaster, risk of incurring electric shock injuries, product malfunctioning or damage to property.

## CAUTION

### Installation

- Securely install the product in an area where the weight of the product can be supported.
  - The product may fall and be destroyed.
- Do NOT use the product where there is oil, steam, or sulfuric gas.
  - It may affect the product's performance, or damage it.
- Check the rated power capacity.
  - It may cause a fire, or a product malfunction.

- Be careful not to drop or damage the product when moving it.
  - The product may malfunction or the person may sustain an injury.
- Ensure that the cord is connected securely to protect the product from dew, water, or insects.
  - If a foreign substance gets inside, it may cause an electric shock or the product may malfunction.
- 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 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.
- Installation work must be performed in accordance with the national wiring standards by authorized personnel only. This equipment shall be provided with a supply conductor complying with the national regulation.
- The appliance is only to be used with the power supply unit provided with the appliance.
- The appliance must only be supplied at safety extra low voltage corresponding to the marking on the appliance.
- Do not install the unit in potentially explosive atmospheres.

## Operation

- Do NOT clean the product with solvent based detergents; instead use cloth.
  - The use of a solvent-based detergent may cause a fire or deform the product.
- Do NOT touch the panel using a pointed or sharp object.
  - It can result in an electric shock, or the product may malfunction.
- Do NOT expose the product to a metal substance.
  - The product may malfunction.
- When sterilizing or disinfecting, stop using the product.
  - The product may work abnormally.
- Do NOT touch internal components of the product.
  - The product may malfunction.

- Check whether the product is in a proper condition after using the product for an extended period of time.
  - Deteriorating condition of the product, may cause injury to the user.
- Do NOT leave the product near a flower base, water bottle, or any other liquids.
  - It may cause a fire or electric shock.
- If the liquid crystal of the product is broken, please do NOT allow the product to come in contact with your skin (hands, face).
  - This may result in personal injury or property damage.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The appliance shall be disconnected from its power source during service and when replacing parts.

### Disposal of Waste Batteries

- All batteries should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
  - The correct disposal of your old batteries will help to prevent potential negative consequences for the environment, animal and human health.
  - For more detail information about disposal of your old batteries, please contact your city office, waste disposal service or the shop where you purchased the product. Also You can contact our LG Support Representative Call center from below Link [https://www.lg.com/sa\\_en/support/contact/telephone](https://www.lg.com/sa_en/support/contact/telephone)
- ✳ The above information applies only to Saudi Arabia.

### التخلص من مخلفات البطاريات

- يجب التخلص من جميع البطاريات بشكل منفصل عن مجاري النفايات البلدية عن طريق مرافق الجمع المعينة التي تعينها الحكومة أو السلطات المحلية.
  - يساعد التخلص الصحيح من البطاريات القديمة في منع الآثار السلبية المحتملة على البيئة وصحة الحيوان والبشر.
  - لمزيد من المعلومات التفصيلية حول التخلص من البطاريات القديمة ، يرجى الاتصال بمكتب خدمة التخلص من النفايات في مدينتك أو المتجر الذي اشتريته منه المنتج.
- كما يمكنك الاتصال بمركز اتصال ممثل دعم LG عن طريق الدخول على الرابط التالي  
[https://www.lg.com/sa\\_en/support/contact/telephone](https://www.lg.com/sa_en/support/contact/telephone)  
 تنطبق المعلومات الواردة أعلاه فقط على المملكة العربية السعودية.

Safely dispose all materials in accordance with federal/state/local laws or ordinances.

التخلص الأمان من كافة المواد بما يتوافق مع القوانين والأوامر المحلية

**Class A device****NOTE**

This equipment has been tested and identified as complying with the limits for a Class A digital device, and acts in accordance with part 15 of the FCC Rules. These rules are designed to provide protect the equipment from any detrimental damages while operating in a commercial environment. This equipment generates, uses, and can emits radio frequency energy.

If it is not installed and used according to the instruction manual, it may cause detrimental damage to the radio communications. Ensure that this product is NOT operated within residential premises as it might emit dangerous radiations. In such a scenario, the user is responsible for damage repair.

**! CAUTION**

Changes or modifications that are not approved by the manufacturer responsible for compliance could render the user authority as invalid.

**Disposal of your old appliance**

1. This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
2. Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
3. You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see [www.lg.com/global/recycling](http://www.lg.com/global/recycling)

**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-back-recycling/global-network-europe>)

## PREPARATION

It provides the necessary information regarding the components, installation and setting method of AC Smart 5 which the user should have a fair understanding/be aware of.

### AC Smart 5 Overview

AC Smart 5 is a central controller installed in management room of a building or administration room of a school, which can monitor or control the operation of the IDU, ventilation, DI/DO, DOKIT, system boiler, AHU, and I/O module installed in each room of the building individually or by integration through touch screen.

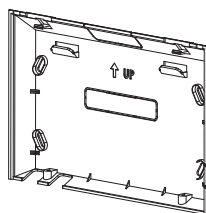
AC Smart 5 is a single machine and can be connected to up to 128 devices (indoor unit, ventilation, DI/DO, DOKIT, system boiler, AHU). Or up to 64 devices (indoor unit, ventilation, DI/DO, DOKIT, system boiler, AHU) and 9 I/O modules.

### Components

The following components are included in the package box. Open the box and verify that all components are included.



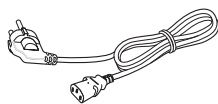
AC Smart 5



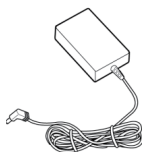
Wall installation plate



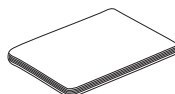
Screw



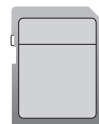
Power Cord



Power Adapter



Manual



SD Card 8 GB

### CAUTION

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid potential hazards.

### NOTE

The schematics of the components and optionally purchased products shown may differ from the actual components and products.

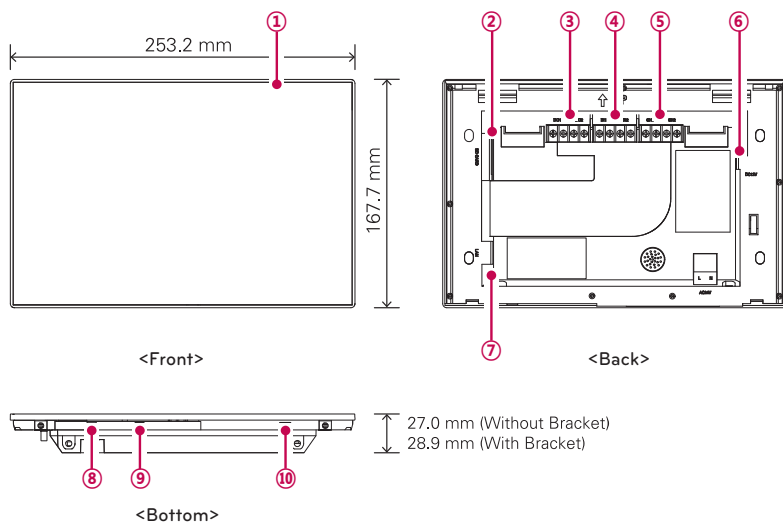
# PRODUCT SPECIFICATION



AC Smart 5 hardware product specification is as follows.

Number	Category	Specification
①	CPU	<ul style="list-style-type: none"> <li>• ARM Cortex A9 1 GHz</li> <li>• Dual Core</li> </ul>
②	MEMORY	2 GB
③	Storage	16 GB
④	LCD	10 inch type(1024 x 600) TFT LCD
⑤	Speaker	Mono
⑥	RS-485	2 Port
⑦	USB/SD	<ul style="list-style-type: none"> <li>- Micro USB 1EA (for external USB memory connection, for service)</li> <li>- Mini USB 1EA</li> <li>- SD Card 1EA</li> </ul>
⑧	Ethernet	10 / 100 BASE-T
⑨	DI	2 Port
⑩	DO	2 Port
⑪	Touch Screen	C-Type Touch Panel
⑫	Button Key	Less than 9 seconds (LCD Power On/Off), 10 seconds (System reset)
⑬	POWER	12 V $\overline{\text{---}}$ (3.33 A)
⑭	Operating temperature	0 °C ~ 40 °C
⑮	Protection class	IP20

## Features and Functions

The features and functions of AC Smart 5 are as follows.



Number	Item	Description
①	Touch Screen	<ul style="list-style-type: none"> <li>• 10 inch type LCD control panel</li> <li>• AC Smart 5 Premium control and information display</li> </ul>
②	SD Memory Slot	SD card memory slot
③	DO Port	2CH DO port
④	DI Port	2CH DI port
⑤	RS-485 Port	2CH 485 port (CH1: AHU, CH2: devices other than AHU) <ul style="list-style-type: none"> <li>• CH1 default setting : MODBUS / CH2 default setting : LGAP I</li> <li>• To change default setting, refer to 'Device Setting (AC Smart 5) - AC Smart 5 Editing' section in the user manual provided in [Help] category.</li> </ul>
⑥	12 V  Input Port	12 V  power input port
⑦	LAN Port	LAN cable port for Ethernet connection (100Mbps/10Mbps)
⑧	Micro USB Port (for service)	Port for upgrading software and reports, statistics, etc. (Requires cable to connect the USB memory sticks, supporting USB 2.0 or later)
⑨	Mini USB Port	PC port for debugging software
⑩	Power ON/OFF	<ul style="list-style-type: none"> <li>• If you press for less than 9 seconds, AC Smart 5 LCD backlight control is enabled.</li> <li>• Push 10 seconds or more to reset AC Smart 5.</li> <li>• If unused for a lengthy period of time, it is recommended that the product be turned OFF to prolong the LCD backlight's life.</li> </ul>

## Installation

To use AC Smart 5, you need to establish an environment for mutual communication between AC Smart 5 and the devices (indoor unit, ventilation, DI/DO, DOKIT, system boiler, AHU, I/O module) and register the corresponding devices through the functions of AC Smart 5.

To use AC Smart 5, it shall be installed in the following order.

### STEP 1. Installation environment inspection and device address setting

Before installing AC Smart 5, check the network for any interfacing devices and assign non-overlapping addresses to the connected devices.

### STEP 2. PI485 setting

Install PI485 and set the DIP switch accordingly.

### STEP 3. Connections

Connect PI485 and AC Smart 5 through RS-485 cable.

### STEP 4. Access and Device Registration

Log in to AC Smart 5 and register device with address set.

## CAUTION

Consult a qualified engineer/ technician for the installation of AC Smart 5. If you have any installation queries, contact the LG service center or LG Electronics.

## NOTE

Maximum node numbers which can be connected to RS485 communication line.

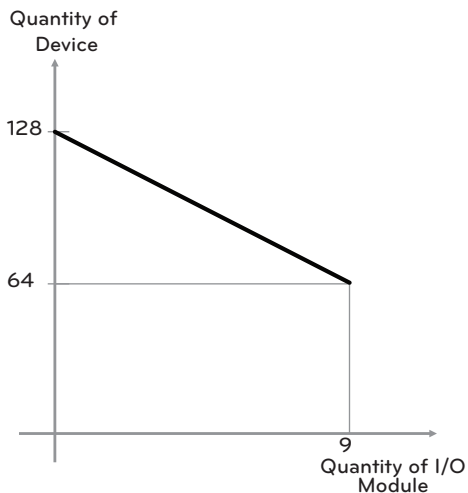
- **Multi V**  
Maximum of 16 nodes can be connected to 1 RS485 line.
- **Multi/Single**  
Maximum of 32 nodes can be connected to 1 RS485 line.
- **ERV**  
Maximum of 32 nodes can be connected to 1 RS485 line.

## Check the installation environment and configure the device address

AC Smart 5 can connect up to 128 devices (including indoor units, ERV, DI/DOs, DOKITs, AWHPs, AHUs) or 64 devices (including indoor units, ERV, DI/DOs, DOKITs, AWHPs and AHUs) and 9 I/O Modules.

For optimal communication performance, it is recommended to connect up to 64 units to one RS-485 port.

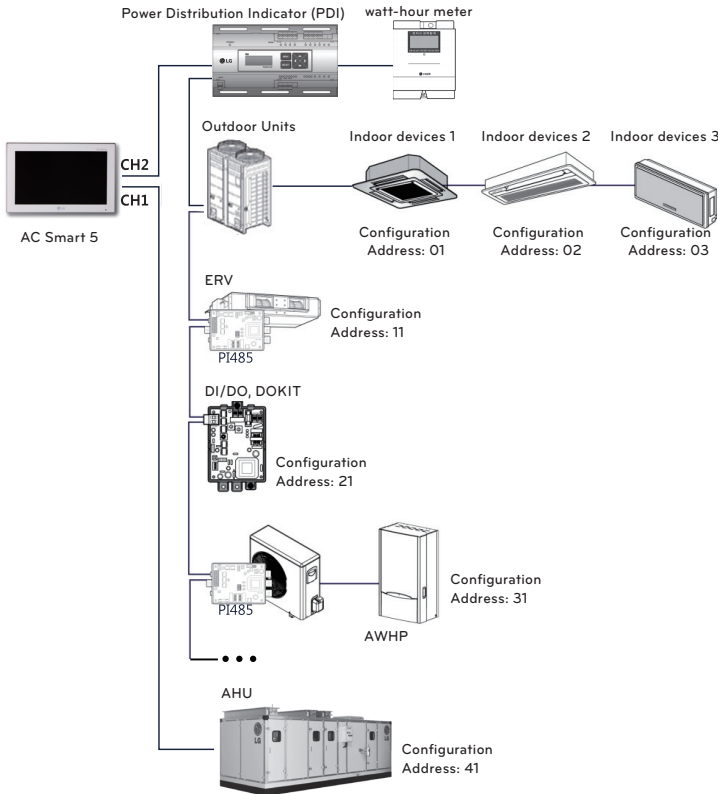
The following shows an example of connecting AC Smart 5 with such devices.



Quantity of I/O Module	Quantity of Device
0	128
1	121
2	114
3	107
4	100
5	93
6	86
7	79
8	72
9	64

\* Devices : Indoor units, ERV, DI/DOs, DOKITs, AWHPs, AHUs

AC Smart 5 connects with PI485 and uses RS485 to communicate and exchange information. Allocate unique addresses to those devices (indoor units, ERV, DI/DOs, DOKITs, AWHPs, AHUs, I/O Modules) that shall connect with AC Smart 5. The addresses are hexadecimal numbers that can be chosen from 00 to FF. In order to control all indoor units with the central controller and use the TMS function, both the master and slave indoor units need to set the central control address. Slave indoor units must set the central control address in the master state before setting them as slaves.



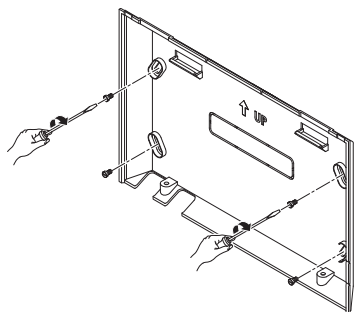
**NOTE**

- The maximum allowed communication distance guaranteed by LG Electronics is 1 000 m. It means that the distance between AC Smart 5 and the farthest device should NOT exceed 1 000 m. For the RS-485 communication line, shield cable with a core area of 1.0 ~ 1.5 mm<sup>2</sup> must be used.
- For indoor units, ERV, DI/DOs, DOKITs, AWHPs, AHUs and I/O Modules, you can allocate different but NOT identical addresses amongst devices of the same type. (the indoor unit and DOKIT cannot use the same address.)
- Each device which can be used with PDI must be set to a unique address when connected with PDI. For further information about the devices can be used with PDI, please refer to the PDI manual.
- Connecting I/O Module, address setting should not be 00 as 00 is used to Broadcast in MODBUS communication.
- CH1 is set as MODBUS and CH2 is set as LGAP by default. To change default setting, refer to the contents of 'Device Setting (AC Smart 5) - AC Smart 5 Editing' in the user manual provided (Section 'Help').

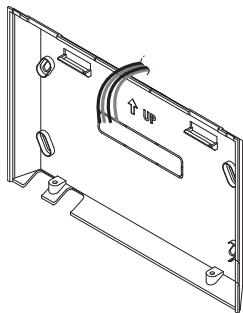
## Connect AC Smart 5

You can install AC Smart 5 and its cables as follows.

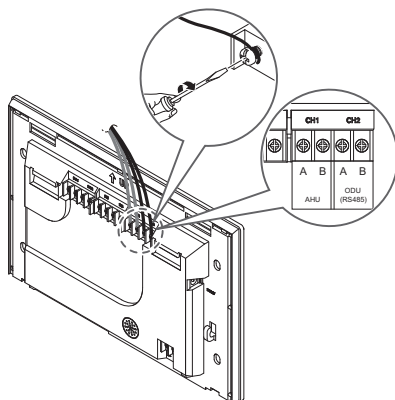
- 1 Select an installation area for AC Smart 5.
  - Prior to securing AC Smart 5, check if the space is suitable for installing AC Smart 5, an RS485 cable, power cord, and an Ethernet cable.
- 2 Secure the back panel of AC Smart 5 to the wall under which the RS485 cable is located.



- 3 Extend the RS485 cable through the top opening of the back panel.



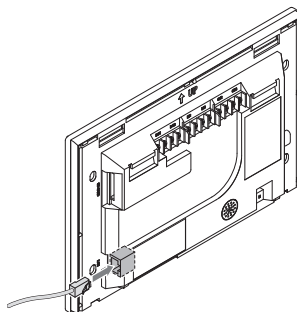
- 4 Connect the RS485 cable, which is located behind the AC Smart 5, to the RS485 terminal.



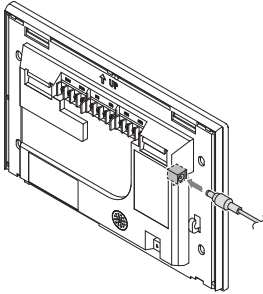
### CAUTION

Connect the +VE and -VE terminals of the cables to the respective terminals of the RS485 cable ensuring accurate electrical polarity.

- 5 To access the network functions (email transmission and web control) provided by AC Smart 5, connect an Ethernet cable to the LAN port on the back of AC Smart 5.



- 6 Establish a power connection:
- **For global models**
  - On the back of AC Smart 5, connect the power adapter to the power port.

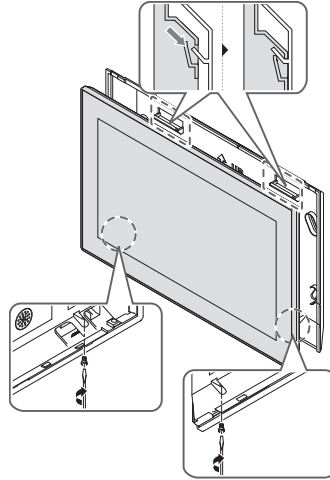


The adaptor is not provided with the AC Smart 5 package sold in the U.S.

**NOTE**

You can hang the power cord on the power cord hanger located below the power port.

- 7 After attaching the hook on the top of the main body to the top of the rear panel installed on the wall, please push the top of the main body unit forward for firm attachment.



**CAUTION**

Remove 2 screws from the bottom of the unit to prevent the AC Smart 5 from falling.

**NOTE**

**Product removal**

After removing 2 screws from the bottom of the body, slightly pull the body using the flatblade screwdriver and lift the body upwards to remove the product.

# INITIALISING

It describes about how to access the system before completely using the AC Smart 5.

## Login and logout

The following explains how to log in and out of AC Smart 5.

AC Smart 5, can be controlled either by the equipment or the web. If you enter the IP address of the AC Smart 5 in the address bar of the command window of web browser (Run>cmd>ipconfig) without the installation of another program, the central control program AC Smart 5 Web server is executed automatically.

### NOTE

- Special characters (^), ('), ("), (,), (|), (\) cannot be used.

## Login

You can login as follows.

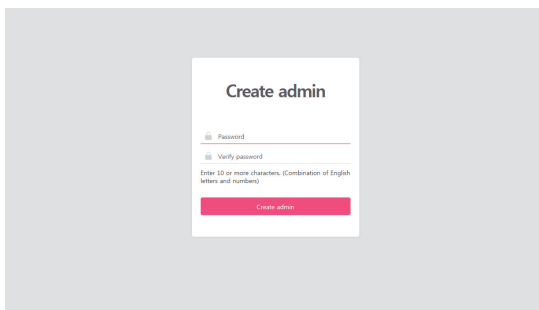
- 1 Run AC Smart 5.
- 2 Input ID and password in log-in window and touch [Log in] button.



## Log-in (for first time access)

In case of initially accessing, set password for the manager account (ID : admin).

- 1 Run AC Smart 5.
- 2 Input password of manager account to use in the account creation window and touch [Create admin] button.



**CAUTION**

- Do NOT disclose account related info to unauthorised personnel.
- In case you have forgotten your password, contact the installer.

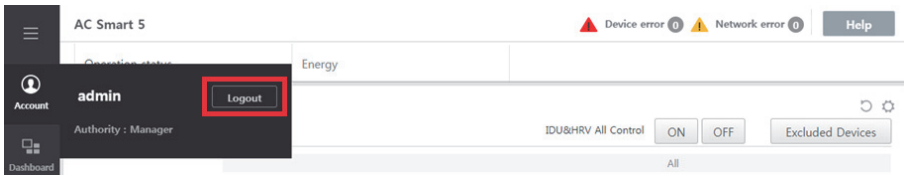
**NOTE**

- To maintain confidentiality, change the password once in every 90 days (as prompted by the pop-up window).

**Logout**

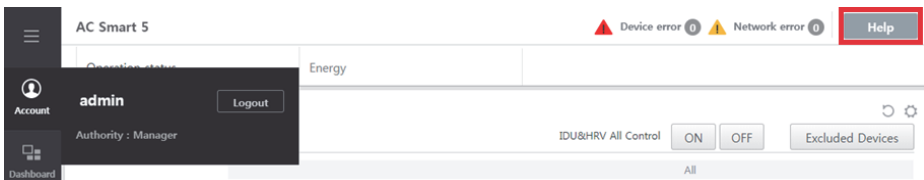
You can logout as follows.

- 1 In AC Smart 5 menu, choose the sub-menu 'Account'.
- 2 From the list of options as displayed by the 'Account' sub-menu press 'Log Out'.

**User manual**

You can view the user manual as follows.

- 1 In AC Smart 5 log-in screen, input ID and password and touch [Log in] button.
- 2 Press 'Help' at the top right side of AC Smart 5 screen.
  - The user manual is displayed.



# HINT

## Pre-Tech Support Checklist











If the product malfunctions, please check the following before calling the service center.

Issue	Check	Actions
The alarm sound does not stop.	<ul style="list-style-type: none"> <li>• Is the demand controller working normally?</li> <li>• Is the LAN cable connected to the product?</li> </ul>	<ul style="list-style-type: none"> <li>• Check if the demand controller is normal.</li> <li>• Check if the LAN cable is connected to the device properly.</li> </ul>
All products remain in the disabled mode.	Is DI1 CH short-circuited?	Check if DI1 CH is open or short circuited. (DI1 CH should always be open except when an emergency occurs.)
The product was reset at midnight.	The product is automatically reset daily morning at 02:05 am.	
The device is not controlled.	Is the device you want to control unlocked?	Check if the lock is enabled and if so, disable the lock.
The device icon has an error mark.	Are the devices properly connected?	If devices are not connected, the error sign is displayed. Check the connection status of the devices.

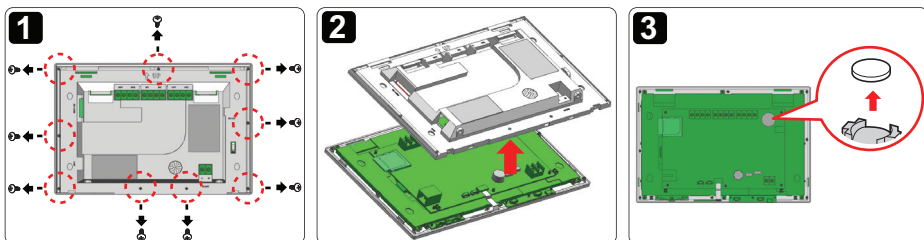
## Removal of waste batteries and accumulators (Product with embedded battery ONLY)

In case this product contains a battery incorporated within the product which cannot be readily removed by end-users, LG recommends that only qualified professionals remove the battery, either for replacement or for recycling at the end of this product's working life. To prevent damage to the product, and for their own safety, users should not attempt to remove the battery and should contact LG Service Helpline, or other independent service providers for advice.

### General Information

Standard tools required	Screw driver	O				
	Plier	X				
	Nipper	X				
	Hammer	X				
	Others	X				
Non-standard tools required	-	-				
Types of screws used						Other
	-	9	-	-	-	-
Number of screws to be removed	-	9	-	-	-	-
	Battery 1	Button Cell(ML2032)				
	Battery 2					
Type of battery cell embedded	Battery 3					
Special instructions / cautions						Other
	Electrical danger	Flammable	Corrosive	Dangerous batteries	Hand pinching	-
	X	X	X	X	X	-
	-	-	-	-	-	-

### Disassemble process





## [For Equipment under battery regulation]



### **English**

The battery is in compliance with the Regulation (EU) 2023/1542

### **Italiano**

La batteria è conforme al Regolamento (UE) 2023/1542

### **Español**

La pila cumple con el Reglamento (UE) 2023/1542

### **Français**

La pile est conforme à la réglementation (UE) 2023/1542

### **Deutsch**

Die Batterie entspricht der Verordnung (EU) 2023/1542

### **Ελληνικά**

Η μπαταρία συμμορφώνεται με τον κανονισμό (ΕΕ) 2023/1542

### **Česky**

Baterie odpovídá Nařízení (EU) 2023/1542

### **Nederlands**

Deze accu voldoet aan de verordening (EU) 2023/1542

### **Polski**

Bateria spełnia wymogi rozporządzenia (UE) 2023/1542

### **Română**

Bateria este în conformitate cu Regulamentul (UE) 2023/1542

### **Português**

A bateria está em conformidade com o Regulamento (EU) 2023/1542

### **Magyar**

Az akkumulátor megfelel az (EU) 2023/1542 rendeletnek

### **Български**

Батерията е в съответствие с Регламент (ЕС) 2023/1542

### **Srpski**

Baterija je u skladu sa Uredbom (EU) 2023/1542.

### **Hrvatski**

Baterija je u skladu s Uredbom (EU) 2023/1542.

### **Svenska**

Batteriet överensstämmer med förordning (EU) 2023/1542

### **Norsk**

Batteriet overholder forordningen (EU) 2023/1542

### **Dansk**

Batteriet er i overensstemmelse med forordning (EU) 2023/1542

### **Eesti**

Aku vastab määrusele (EL) 2023/1542

### **Malti**

Il-batterija hija konformi mar-Regolament (UE) 2023/1542

### **Slovenčina**

Batéria je v súlade s nariadením (EÚ) 2023/1542

### **Slovenščina**

Baterija je v skladu z Uredbo (EU) 2023/1542.

### **Latviešu**

Akumulators ir atbilstīgs Regulai (ES) 2023/1542.

### **Lietuvių K.**

Baterija atitinka Reglamentą (ES) 2023/1542

### **Gaeilge**

Tá an cadhnra i gcomhréir le Rialachán (AE) 2023/1542

### **Македонски**

Батеријата е во согласност со Регулативата (ЕУ) 2023/1542.

### **Shqip**

Bateria është në përputhje me Rregulloren (BE) 2023/1542

### **Bosanski**

Baterija zadovoljava zahtjeve navedene u Propisu (EU) 2023/1542

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 dovozcu 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 maaletoojate nimed ja aadressid / LG Electronics – EU:n maahantuojien nimet ja osoitteet / Noms et adresses des importateurs pour LG Electronics EU / Ainmneacha agus seolai Iompórtálaí 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: ismijiet u indirizzi tal-importaturi 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 Benelux B.V.	Krijgsman 1, 1186 DM Amstelveen, The Netherlands
LG Electronics Deutschland GmbH	Alfred-Herrhausen-Allee 3-5, 65760, Eschborn, Germany
LG Electronics France, SAS	Immeuble Workstation, 25 quai du Président Paul Doumer, 92 400 Courbevoie, France
LG Electronics España S.A.U.	Calle Chile 1, 28290, Las Rozas, Madrid, Spain
LG Electronics Portugal S.A.	Taguspark, Av. Jacques Delors 3, Edifício Inovacao I, Corpo 1, 2740-122, Porto Salvo, Portugal
LG Electronics Hellas S.A.	Ethnarhou Makariou str. 1, 17501, Delta Paleo Faliro, Greece
LG Electronics Italia S.p.A.	Via Aldo Rossi 4, 20149, Milan, Italy
LG Electronics Latvia SIA	Gustava Zemgala gatve 74A, Riga, LV-1039, Latvia
LG Electronics Magyar Kft.	Konyves K. krt.3/a, 1097, Budapest, Hungary
LG Electronics Polska Sp. z o.o.,	Woloska 22, 02-675, Warszawa, Poland
LG Electronics Magyar Kereskedelmi Kft. Budapesta Sucursala București,	11-15, Tipografilor Street, S-Park Business Centre, Building B3, 5th Floor, District 1, 013714 Bucharest, Romania
LG Electronics Nordic AB	Esbogatan 18, 164 94, Kista, Sweden
LG Electronics Shared Services Center B.V.	Krijgsman 1, 1186 DM Amstelveen, The Netherlands

Depending on products or models, actual importers may be limited to some subsidiaries. For EU-produced units, there is no applicable EU importer. / В зависимости от продуктите или моделите действителните вносители може да са ограничени до някои дъщерни дружества. За апарати, произведени в ЕС, няма приложим вносител в ЕС. / U zavisnosti od proizvoda ili modela, uvoznici mogu biti ograničeni na neka povezana društva. Za jedinice proizvedene u EU ne postoji važeći uvoznik iz EU. / U zavisnosti od proizvoda ili modela, uvoznici mogu biti ograničeni na određene podružnice. Za jedinice proizvedene u EU ne postoji EU uvoznik. / V závislosti na výrobcích nebo modelech mohou být aktuální dovozci omezeni na některé dceřiné společnosti. U výrobků vyráběných v EU není žádný relevantní dovozce do EU. / Afhængigt af produkter eller modeller kan de faktiske importører være begrænset til enkelte datterselskaber. For EU-fremstillede enheder er der ingen relevant EU-importør. / Je nach Produkt oder Modell können die tatsächlichen Importeure auf einige Tochtergesellschaften beschränkt sein. Für in der EU produzierte Geräte gibt es keinen anwendbaren EU-Importeur. / Ανάλογα με τα προϊόντα ή τα μοντέλα, οι πραγματικοί εισαγωγείς ενδέχεται να περιορίζονται σε ορισμένες θυγατρικές. Για μονάδες που παράγονται στην ΕΕ δεν υπάρχει ισχύων εισαγωγέας της ΕΕ. / Dependendo dos productos o modelos, los importadores efectivos podrían quedar limitados a algunos subsidiarios. Para las unidades producidas en la UE, no hay ningún importador para la UE aplicable. / Sõltuvalt toodetest või mudelistest võivad tegelikud maaletoojad olla piiratud mõnede tütarettevõtetega. EL-is toodetud seadmete puhul ei ole kohaldatavat EL maaletoojat. / Tuotteista tai malleista riippuen todelliset maahantuojaat voivat rajoittua muutamiiin tytäryhtiöihin. EU:ssa valmistetuilla laitteilla ei ole sovellettavaa EU:n maahantuoja. / Selon les produits ou les modèles, les importateurs effectifs peuvent être limités à certaines filiales. Pour les unités produites dans l'UE, il n'y a pas d'importateur applicable pour l'UE. / Ag brath ar tháirgi nó múnlaí, d'fhéadfaí go mbeadh iompórtálaithe iarmhír srianta go roinnt fochoimhlachtaí. Maidir le aonaid déanta sa AE, níl iompórtálai AE infheidhme. / Ovisno o proizvodima ili modelima uvoznici mogu biti ograničeni na neke podružnice. Za uređaje proizvedene u Europskoj uniji nije predviđena tvrtka za uvoz iz EU. / A termékeltől vagy modellektől függően előfordulhat, hogy a tényleges importőrök egyes leányvállalatokra korlátozódnak. Az EU-ban gyártott készülékek esetében nincs vonatkozó európai uniós importőr. / Raunverlegir framleiðendur geta verið takmarkaðir við tiltekin dótturfélag, en það fer eftir vörum eða vörumodelum. Engin ESB innflytjandi er fyrir hluti sem eru framleiddir innan ESB. / A seconda dei prodotti o dei modelli, gli importatori effettivi potrebbero essere limitati ad alcune filiali. Per le unità prodotte nell'UE, non esiste un importatore UE applicabile. / Priklausomai nuo gaminių ar modelių, tikrieji importuotojai gali apsiriboti kai kuriomis dukterinėmis įmonėmis. ES pagamintiems vienetams nėra tinkama ES importuotojų. / Atkarībā no produktiem vai modeļiem, faktiskie importētāji var būt dažādi meitasuzņēmumi. ES ražotām vienībām nav piemērojama ES importētāja. / Зависно од производе или моделе, актуелните увозници можеби се ограничени на некои подружници. За единиците произведени за ЕУ, нема применливи увозници за ЕУ. / Skont il-prodott jew il-mudell, l-importaturi attwali jinghu jkunu limitati ghal certi sussidjarji. Għall-unitajiet prodotti fl-UE, m'hemmx importatur applikabbli tal-UE. /

Afhankelijk van de producten of modellen, kunnen de eigenlijke importeurs beperkt zijn tot enkele dochterondernemingen. Voor in de EU geproduceerde eenheden is er geen toepasselijke EU-importeur. / Avhengig av produkter eller modeller, kan faktiske importører være begrenset til enkelte datterselskaper. Det er ingen gjeldende EU-importør for EU-produserte enheter. / W zależności od produktów lub modeli, rzeczywisci importerzy mogą polegać na swoich podmiotach zależnych. W przypadku wyrobów produkowanych w UE nie ma odpowiedniego importera na region Unii. / Dependendo dos produtos ou modelos, os importadores existentes podem ser limitados a algumas filiais. Para as unidades produzidas na UE, não há nenhum importador da UE aplicável. / În funcție de produse sau modele, importatorii actuali ar putea fi limitați la anumite filiale. Pentru unitățile produse în UE, nu există niciun importator UE aplicabil. / V závislosti od výrobkov alebo modelov môžu byť skutoční dovozcovia obmedzení na niektoré dcérske spoločnosti. Pre zariadenia vyrobené v EÚ neexistuje žiadny príslušný dovozca do EÚ. / Odvisno od izdelkov ali modelov so lahko dejanski uvozniki omejeni na nekatere hčerinske družbe. Za enote, proizvedene v EU, ni ustreznega uvoznika iz EU. / Nē varēsīt tē produktēve ose modeļēve, importuesit aktual mund tē jenē tē kufizuar vetēm nē disa degē. Pēr njēsītē e produhara nē BE, nuk ka importues tē zbatuëshēm tē BE-sē. / U zavisnosti od proizvoda ili modela, stvarni uvoznici mogu biti ograničeni na neke podružnice. Za jedinice proizvedene u EU ne postoji merodavni EU uvoznik. / Beroende på produkter eller modeller kan faktiska importörer vara begränsade till vissa dotterbolag. För EU-tillverkade enheter finns det ingen tillämplig EU-importör.

LG Electronics Inc. <sup>①</sup> Single Contact Point <sup>②</sup> (EU/UK) :  
 LG Electronics Deutschland GmbH  
 Alfred-Herrhausen-Allee 3-5, 65760 Eschborn, <sup>③</sup> Germany

	①	②	③
ENGLISH	Single Contact Point	EU	Germany
ITALIANO	Punto di contatto unico	UE	Germania
ESPAÑOL	Punto de contacto único	UE	Alemania
FRANÇAIS	Point de contact unique	UE	Allemagne
DEUTSCH	Einheitliche Anlaufstelle	EU	Deutschland
ΕΛΛΗΝΙΚΑ	Ενιαίο σημείο επαφής	EE	Γερμανία
ČEŠTINA	Jednotné kontaktní místo	EU	Německo
NEDERLANDS	Eén enkel contactpunt	EU	Duitsland
POLSKI	Punkt kontaktowy	UE	Niemcy
LIMBA ROMÂNĂ	Punct unic de contact	UE	Germania
PORTUGUÊS	Ponto de contacto único	UE	Alemanha
MAGYAR	Egyetlen kapcsolattartó pont	EU	Németország
БЪЛГАРСКИ	Единна контактна точка	ЕС	Германия
SRPSKI	Jedinstvena kontaktna tačka	EU	Nemačka
HRVATSKI	Jedinstvena kontaktna točka	EU	Njemačka
SVENSKA	Enskild kontaktpunkt	EU	Tyskland
NORSK	Enkelt kontaktpunkt	EU	Tyskland
DANSK	Enkelt kontaktpunkt	EU	Tyskland
SLOVENČINA	Jednotné kontaktné miesto	EÚ	Nemecko
SLOVENŠČINA	Enotna kontaktna točka	EU	Nemčija
GAEILGE	Pointe Teagmhála Aonair	AE	an Ghearmáin
SHQIP	Pikë e vetme kontakti	BE	Gjermania
BOSANSKI	Jedinstvena kontaktna tačka	EU	Njemačka
EESTI KEEL	Üks kontaktpunkt	EL	Saksamaa
LATVIEŠU VALODA	Vienotais kontaktpunkts	ES	Vācija
LIETUVIŲ KALBA	Bendras kontaktas visiems	ES	Vokietija
MALTI	Punt ta' Kuntatt Uniku	UE	il-Ġermanja
МАКЕДОНСКИ	Единствена контакт точка	EY	Германија

















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