

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.

Lonworks (ACP Lonworks)
PLNWKB000
Original instructions



MFL69157004
Rev.00_050819

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SAFETY PRECAUTIONS

- This product must be installed by an installation professional from an LG authorized service center.
- Any issues stemming from an installation by an unauthorized person is the responsibility of the user and will not be covered by warranty.
- The following safety precautions are to prevent any unforeseen dangers or damage.
- This product has been designed for business use, or for areas outside the home, and has passed the Electromagnetic Interference Test.

WARNING

It can result in serious injury or death when the directions are ignored.

CAUTION

It can result in minor injury or product damage when the directions are ignored.

WARNING

Installation

- To reinstall the product, please contact the dealer from where you purchased the product, or a service center for reinstallation service.
 - Installation of the product by an unauthorized person may result in fire, electric shock, explosion, injury, or a malfunctioning of the product.
- Do not twist or damage the power cord.
 - It may cause fire or electric shock.
- For electrical work, please contact the dealer from where you purchased the product, or a service center.
 - Disassembly or repair by an unauthorized person may result in fire or electric shock.
- Install the product in an area shielded from rain.
 - If water gets into the product, it may malfunction.
- Do not install the product in a humid area.
 - If the product is damp, it may malfunction.
- 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 unauthorized person may result in fire, electric shock, explosion, injury, or a malfunctioning of the product.
- For electrical work, please have an electrician do the work based on 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 the product catching fire.
- If the product is installed in a hospital or a communication base station, provide sufficient protective equipment against electrical noise.
 - The product may malfunction or other products may work abnormally.
- 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.
 - If not, an incorrect installation may cause fire or electric shock.
- When wiring the product, do not use a non-standard cable, nor extend the cable excessively.
 - It may cause a fire or electric shock.
- Securely install the power cord and communication cable.
 - An unsecure installation may result in a fire or electric shock.
- Do not connect the power cord to the communication terminal.
 - It may cause a fire, electric shock, or a product malfunction.
- Do not install the product in an area near combustible gas.
 - It may result in fire, electric shock, explosion, injury, or a malfunctioning of the product.

Use

- Do not place a heavy object on the power cord.
 - It may cause a fire or electric shock.
- Do not change or extend the power cord arbitrarily.
 - It may cause a fire or electric shock.
- Use the cord specific to the product.
 - Using an unauthorized non-standard cord may result in a fire or electric shock.
- Do not use a heat device near the power cord.
 - It may cause a fire or electric shock.
- Ensure that water never gets into the product.
 - It can result in an electric shock, or the product may malfunction.
- Do not place any container with liquid on the product.
 - The product may malfunction.
- Do not touch the product with wet hands.
 - It may cause a fire or electric shock.
- Use standard components.
 - Use of an unauthorized product may result in fire, electric shock, explosion, injury, or a malfunctioning of the product.
- If the product has been submerged in water, you should contact a service center.
 - It may cause a fire or electric shock.
- Do not shock the product.
 - The product may malfunction.
- Do not store or use any combustible gas or flammable substances near the product.
 - It may cause a fire, or a product malfunction.
- Do not disassemble, repair, or revamp the product arbitrarily.
 - It may cause a fire or electric shock.
- Children and the elderly should use the product under the supervision of a guardian.
 - Carelessness may cause an accident, or the product to malfunction.
- The guardian should prevent children from accessing the product.
 - The product may be damaged or it may fall, causing injury to children.
- Keep in mind the operating temperature range specified in the manual. If there is no operating temperature range in the manual, use the product between 0 °C and 40 °C (32 °F and 104 °F).
 - If the product is used outside this range, the product may be severely damaged.
- Do not press the switch or button with a sharp object.
 - It can result in an electric shock, or the product may malfunction.
- Do not wire the product while it is turned on.
 - It may cause a fire or electric shock.
- If the product sounds or smells different, stop using the product.
 - It may cause a fire or electric shock.
- Do not place a heavy object on the product.
 - The product may malfunction.
- Do not spray water on the product, or clean it with a water-soaked cloth.
 - It may cause a fire or electric shock.
- Do not use the product for the preservation of animals and plants, precision instruments, art pieces, or for other special purposes.
 - It may cause property damage.
- Dispose the packing material safely.
 - The packing material may result in personal injuries.



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.

4 SAFETY PRECAUTIONS

- It may cause a fire, or a product malfunction.
- Use the adaptor provided with the product or power from a class 2 24 V~ transformer, depending on model.
 - If a non-standard adaptor is used, the product may malfunction. The adaptor is not provided with the ACP Lonworks package sold in the U.S.
- 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 prevent dew, water, or insects from getting into the product.
 - If a foreign substance gets inside, it may cause an electric shock or the product may malfunction.

Use

- Clean the product with a soft cloth, but not with a solvent-based detergent.
 - The use of a solvent-based detergent may cause a fire or deform the product.
- Do not touch the panel using a pointy or sharp object.
 - It can result in an electric shock, or the product may malfunction.
- Do not let the product come into contact with a metal substance.
 - The product may malfunction.
- When sterilizing or disinfecting, stop using the product.
 - The product may work abnormally.
- Do not touch inside the product.
 - The product may malfunction.
- Check the condition of the product after using the product for an extended period of time.
 - If the product is used for an extended period of time, the product's condition may be worsen, causing 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 let your skin such as face or hands contact with.
 - Personal injury or property damage may occur.

- Transformer selection:

- Select an insulating product that complies with IEC61558-2-6 and NEC Class 2.
- In addition, consider the combined power consumption of the modules, accessories, and field devices installed for the selection of an appropriate transformer.

Main module current: 24 V~, 850 mA

- Use the provided adaptor when using 12 V===. The adaptor is not provided with the ACP Lonworks package sold in the U.S.

According to IEC 60335-1

This appliance is not intended for use by person (including children) with reduced physical, 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.

According to EN 60335-1

This appliance can be used by children aged from 8 years and above and person 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.

Class A device

! NOTE

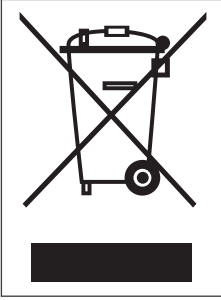
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

! CAUTION

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.



Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of 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 appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

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

* 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 النحول علي الرابط التالي
https://www.lg.com/sa_en/support/contact/telephone
 تطبيق المعلومات الواردة أعلاه فقط على المملكة العربية السعودية.

ACP LONWORKS FUNCTIONS AND SPECIFICATION

ACP Lonworks(ACP Lonworks Gateway) is the central controller that can manage up to 64 equipments in one space individually or as combined.

- In case of air conditioner indoor unit, up to 64 indoor units
- In case of AHU unit, up to 16 units
- In case of Chiller unit, up to 15 units

* It is required a separate ACP Lonworks for each other product type(air conditioner, AHU or Chiller).
 ACP Lonworks can't to connect air conditioner indoor unit, AHU unit or Chiller unit at the same time.

ACP Lonworks Functions

Major functions of the ACP Lonworks are as follows. Controlling of up to 64 air conditioner indoor units

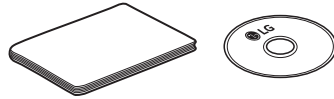
- Monitoring of error and operation status
- Controlling the peak power / demand power
- System setting function

ACP Lonworks Components

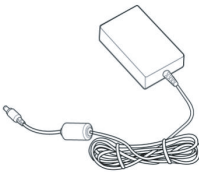
Inside the packaged box of the ACP Lonworks, there are the components as in the following drawing. Open the packaged box of the ACP Lonworks, and check if all of the corresponding components are included.



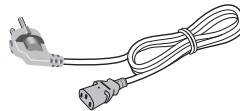
ACP Lonworks
(ACP Lonworks Gateway)



Manual



Power Supply Adaptor
 Input: 100-240 V~
 50/60 Hz, 1.2 A
 Output: 12 V~
 3.33 A, 40 W MAX



Power Cord



Screw

| Item | Specification |
|------------------|---------------|
| Protection class | IP20 |

! CAUTION

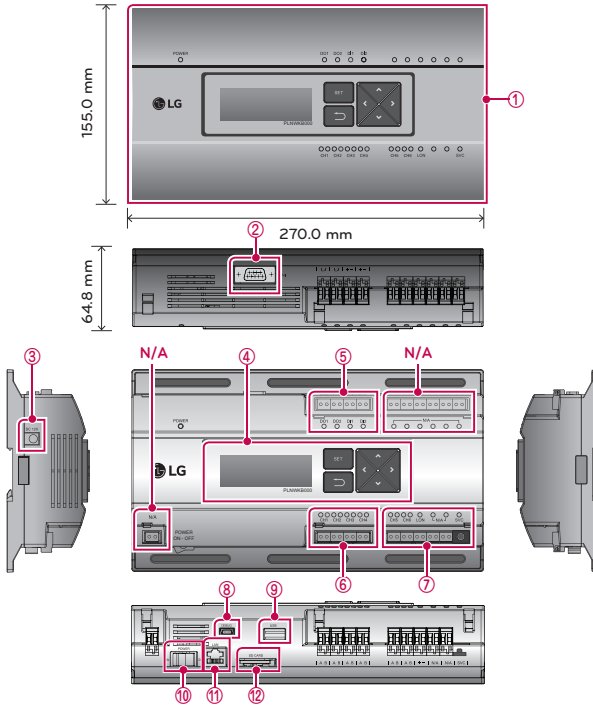
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

! NOTE

- Components or options may differ from the actual product picture.

Names of each part of ACP Lonworks

ACP Lonworks is composed as follows.



| Number | Item | Description |
|--------|--|--|
| ① | Cover | Front cover of the ACP Lonworks |
| ② | RS-232 console port | Reserved communication port |
| ③ | Adaptor connection jack | Jack for 12 V $\overline{\text{DC}}$ to connect to the power supply adaptor |
| ④ | Buttons and LCD | Buttons and LCD to set network environment and to display other information |
| ⑤ | Basic external input/ output signal connectors | Connection ports to connect to external input/output signals (DI:2, DO:2) |
| ⑥ | RS-485 communication port | RS-485 communication ports to connect to air conditioner and ERV equipment (4 in total) |
| ⑦ | RS-485, LON communication ports and BMS connection button (SERVICE SWITCH) | RS-485 communication ports(2EA) and LON communication port(1EA) BMS connection button(SERVICE SWITCH) |
| ⑧ | Mini USB port | USB to Serial port for software debugging |
| ⑨ | USB port | For software update and data backup |
| ⑩ | Power switch | Switch to turn on or off the power of the ACP Lonworks |
| ⑪ | Ethernet port | Ethernet port to connect to internet and AC Manager |
| ⑫ | SD card slot | For RS-485 communication data backup. |

INSTALLING ACP LONWORKS

Installing ACP Lonworks

This chapter describes how to install the ACP Lonworks to use.

In order to use the ACP Lonworks, the installation should be performed by the following order.

STEP 1. Check the cautions during the ACP Lonworks installation

Before installing the ACP Lonworks, check the cautions.

STEP 2. Study the cable connections diagram of the entire system

Study the cable connection diagram of the site where the ACP Lonworks is installed.

STEP 3. Set the indoor unit address

Set the address of the ACP Lonworks not to be overlapped with the connecting indoor unit.

STEP 4. Set PI485 and connect cables

Set DIP switch of PI485 correctly, and connect RS-485 communication cable.

STEP 5. Install ACP Lonworks and connect cables

Install the ACP Lonworks, and set network and other settings.

STEP 6. Set ACP Lonworks network address

Set the network address to be able to access the ACP Lonworks through internet.

STEP 7. Set ACP Lonworks functions

Set language, peak/demand, whether to use schedule, whether to use power display, etc.

STEP 8. Set ACP Lonworks module type

Set connected product type.

STEP 9. Set Web GUI access environment

Set the access environment in Web GUI, which is the operation program of the ACP Lonworks.

STEP 10. Input indoor unit and ventilator information

Set the access environment in Web GUI, which is the operation program of the ACP Lonworks.

STEP 11. Verify and check ACP Lonworks installation

Verify and check whether the ACP Lonworks is properly installed.



CAUTION

The ACP Lonworks installation work needs the professional technique.

Therefore, the installation described in this chapter should be performed by the certified installation professional. Consult the service center or the professional installation agency certified by us about any question or request related to the installation.

Check points during the ACP Lonworks installation

- The number of PI485 connected to one RS-485 communication line ACP Lonworks provides 6 RS-485 ports. (CH1 ~ CH6)
 - CH1 ~ CH4 : ACP Lonworks provides 4 RS-485 ports for indoor unit connection.
(Up to 64 indoor units)
 - CH5 : ACP Lonworks provides 1 RS-485 port for AHU unit connection.
(Up to 16 AHU units)
 - CH6 : ACP Lonworks provides 1 RS-485 port for Chiller unit connection.
(Up to 15 Chiller units)

Up to 16 PI485 for outdoor unit can be connected to one RS-485 port, and up to 31 PI485 for SINGLE/ventilation can be connected.
- The number of the indoor units that can be connected to one ACP Lonworks One ACP Lonworks can be connected up to 64 indoor units.
To one RS-485 port, all of 64 indoor units, which is the maximum number that can be connected to the ACP Lonworks, may be connected.
But, to improve the communication performance of RS-485, it is recommended to be divided and connected to 4 ports.
- RS-485 communication cable connection
There is a polarity in RS-485 communication cable connection, so be careful not to reverse the connection of the two cables.
Do not let the length of RS-485 communication cable exceed total of 1 km.
RS-485 communication cable must be connected with BUS type.
- IP address of the ACP Lonworks
IP address of the ACP Lonworks, address of Gateway, and Net mask must be requested to the person in charge of the network of the corresponding site.



CAUTION

RS-485 Connection of the ventilation equipment

To connect ventilation equipment, it is recommended to use the ports other than RS-485 communication ports which are connected to air conditioners.

Setting the indoor unit address

By considering the entire installation configuration connecting to one ACP Lonworks, set the address to each indoor unit not to be overlapped.

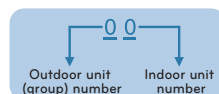
Address range that can be set to indoor units are determined as selected module type.

- Module 0: 00~FF in hexadecimal can be set to the indoor unit address, but it can be connected up to 64 indoor units only.
- Module 1: 00~0F in hexadecimal can be set to the AHU unit address, and it can be connected up to 16 AHU units.
- Module 2: 01~0F in hexadecimal can be set to the Chiller unit address, and it can be connected up to 15 Chiller units.

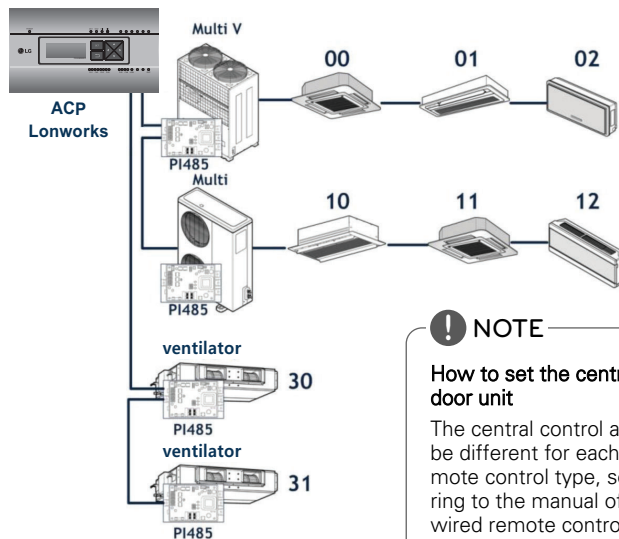
NOTE

Assigning indoor and outdoor unit number

If the outdoor unit product is Multi V, it is recommended to assign the address by setting the first digit of the address as the number of the outdoor unit, and classifying the second digit as the number of the indoor unit, for easy composition and classification of the system.



Here is an example of configuring ACP Lonworks and the device.



NOTE

How to set the central control address of the indoor unit

The central control address setting method may be different for each indoor unit product or remote control type, so set the address by referring to the manual of the indoor unit product or wired remote controller.

When the ACP Lonworks is interconnected with the AC Manager, the ventilator can be installed together and controlled.

The above figure shows the example that sets the address of 30 and 31 to the ventilators and connects to the ACP Lonworks.

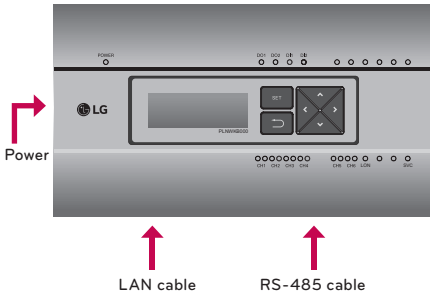
Installing ACP Lonworks and connecting cables

After setting PI485, the ACP Lonworks shall be installed in an adequate place, and RS-485 cable shall be connected for the communication with PI485.

And, Ethernet cable (LAN cable) shall be connected for the connection with internet or AC Manager.

To fix the ACP Lonworks, the following 2 methods may be used.

Install in DIN RAIL or fix to the wall considering the environment of the site.



CAUTION

If four times the power connector for the connection, as shown by using the right connection, but please note that an electric shock. Use the designated parts must be connected to a power source.



- Connector manufacturers: PHOENIX CONTACT PartNo: MVSTBR 2,5 / 2-ST-5, 08 2P 5.00 mm.

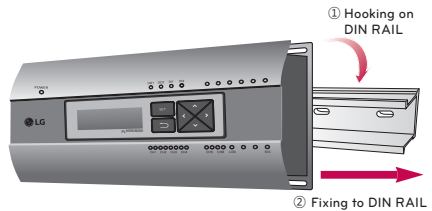
Installing the ACP Lonworks in DIN RAIL

ACP Lonworks can be installed in DIN RAIL with width 35 mm and height 7.5 mm.

Proceed as the follows to install the ACP Lonworks in an adequate place.

The installation method of the ACP Lonworks is explained here with the example of installing the ACP Lonworks in DIN RAIL.

- Decide the space to install the ACP Lonworks.
- Before installing the ACP Lonworks, check if it is the adequate place to connect the ACP Lonworks with the power, RS-485, and LAN, LON cables.
- Install DIN RAIL.
- Hook the top part of the ACP Lonworks on DIN RAIL.
- Push the main body of the ACP Lonworks until you hear the sound of installation.
- Pull the ACP Lonworks to check if it is fixed.



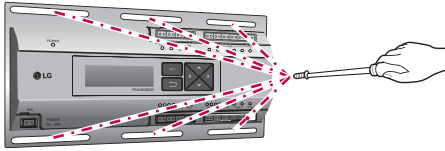
CAUTION

- After installing to DIN RAIL, do not fix to the wall using screws.
- ACP Lonworks may be damaged.
- DIN Rail fixing Screw Spec: M3, screw head height 1.75 mm ~ 2.0 mm, screw head diameter 5.5 mm ~ 7.0 mm.

Fixing the ACP Lonworks to the wall

ACP Lonworks can be installed by fixing to the wall. To install the ACP Lonworks in an adequate place, proceed according to the following explanation. It explains here on how to install the ACP Lonworks with the example of installing the ACP Lonworks on the wall.

- Decide the space to install the ACP Lonworks.
Before installing the ACP Lonworks, check if it is the adequate place to connect the ACP Lonworks with the power, RS-485, and LAN, LON cables.
- Fix to the wall using the driver. it can be fixed as in the following figure according to the location to install.

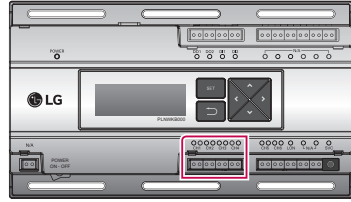


Connecting RS-485 cable to the ACP Lonworks

After fixing the ACP Lonworks in the installation place, RS-485 cable that was connected to PI485 shall be connected to the ACP Lonworks.

To connect RS-485 cable to the ACP Lonworks, proceed as the following order.

- First, among the connectors that can be connected to the ACP Lonworks, connect the end of RS-485 cable connected to BUS A of PI485 to Tx part.
Next, connect the end of RS-485 cable connected to BUS B of PI485 to Rx part.
- RS-485 cable that was connected to PI485 shall be connected to CH port (RS-485 port) of the ACP Lonworks.
 - Plug the connector connecting RS-485 cable into one of CH1 ~ CH4 ports.
 - There are CH1 ~ CH6 ports, and it must be plugged into one of CH1 ~ CH4 ports for use.
 - For AHU, plug the connector connecting RS-485 cable into CH5 ports.
 - For chiller, plug the connector connecting RS-485 cable into CH6 ports.



! CAUTION

If a different type of connection is made other than BUS format as in the figure, the product may malfunction. So be careful during the installation.
ACP Lonworks shall be installed in accordance with national wiring regulations.

Connecting Ethernet cable (LAN cable) to the ACP Lonworks

After connecting the ACP Lonworks and RS-485 cable, Ethernet cable shall be connected to the ACP Lonworks.

ACP Lonworks may be connected to hub through Ethernet cable, or directly to AC Manager.

Connecting the ACP Lonworks and hub

It is the case of connecting the ACP Lonworks to the basic internet network installed at the site, and it is generally connected to the hub.

In such case, Ethernet cable shall be connected as a direct cable.

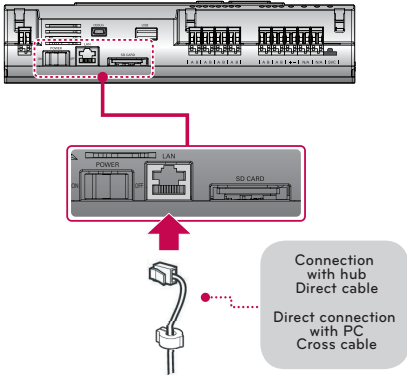
Use Ethernet cable (direct cable) to connect to LAN port of the ACP Lonworks.

Connecting ACP Lonworks and PC

It is the case of installing AC Manager in a separate PC and connecting ACP Lonworks and PC directly.

In such case, Ethernet cable shall be connected as a cross cable.

Use Ethernet cable (cross cable) to connect to LAN port of the ACP Lonworks.



CAUTION

Ethernet cable types

- You must distinguish if the Ethernet cable to connect is a direct cable or a cross cable.
- Also, connect after checking the existence of problem in the cable using LAN tester.

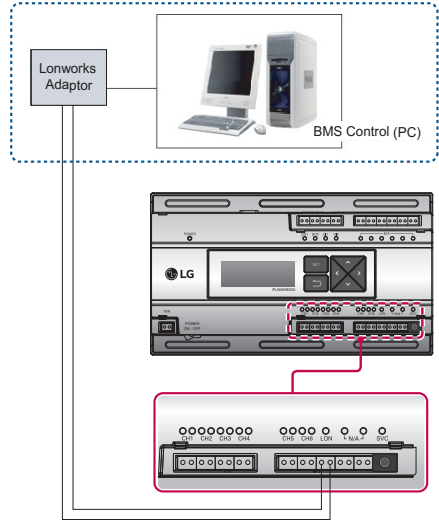
Connecting LON communication cable(TP/FT-10) of ACP Lonworks.

LON communication cable(TP/FT-10) should be connected LON port of ACP Lonworks.

ACP Lonworks can connect with BMS through LON communication cable(TP/FT-10).

There is non-polarity in TP/FT-10 communication cable connection.

Connect two line communication cable with BMS.



Setting the ACP Lonworks network address

After connecting the ACP Lonworks to various devices via the cable, the network environment of the ACP Lonworks should be set by driving the ACP Lonworks.

The following information should be set for using the ACP Lonworks.

- IP address of the ACP Lonworks
- Gateway address
- Net mask

CAUTION

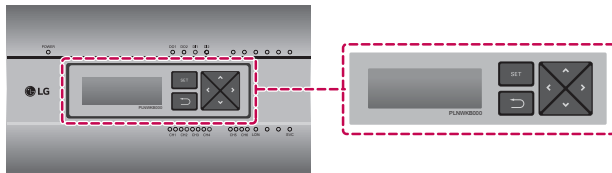
Setting the network environment information

If the above information is not entered, the communication error may be occurred or it may be impossible to control by the ACP Lonworks. So, be careful to correctly input.

Before configuring the ACP Lonworks environment

The network environment of the ACP Lonworks can be set by the LCD and the buttons at the front side of the ACP Lonworks.

The current ACP Lonworks information and the menu are displayed on the LCD, and the menu can be changed and selected by pressing **[SET]** and **[↵]** button and Up/Down/Left/Right (**▲**, **▼**, **◀**, **▶**) buttons.



Turning on the ACP Lonworks

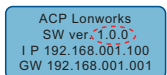
Turn on the ACP Lonworks to set the network environment of the ACP Lonworks. When the power switch is turned on, the ACP Lonworks booting screen is displayed on the LCD as shown at the following figure, and when booting is completed, the initial ACP Lonworks screen is displayed.



NOTE

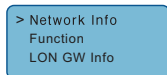
Software version

The software version of the current ACP Lonworks is displayed at the initial ACP Lonworks screen. Also, the software version may be different according to the manufacturing date of the ACP Lonworks.



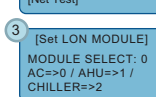
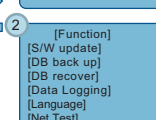
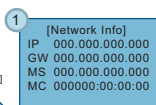
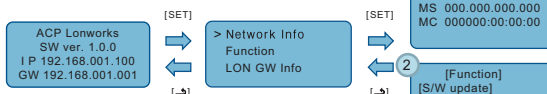
Entering into the environment setup mode

Press 'SET' button of the ACP Lonworks to enter into the environment setup mode of the ACP Lonworks. When the [SET] button is pressed for the first time, the menu to set the IP address is displayed as shown below.



Press up/down(▲, ▼) button to place the arrow on the desired function.

- When you select [Network Info] and press [SET] button, it enters the No. 1 menu in the following figure. In [Network Info] menu, input the network information such as IP address of the ACP Lonworks.
- When you select [Function] and press [SET] button, it enters the No. 2 menu in the following figure. In [Function] menu, ACP Lonworks software service function is supported.
- In [LON GW Info] menu, you can set the module type of the ACP Lonworks as connected product.



CAUTION

- [Function] menu is used by the system air conditioner service technician, so user shall never use this function.
- If this function is incorrectly used, it may cause disorder of the ACP Lonworks.

Accessing ACP Lonworks

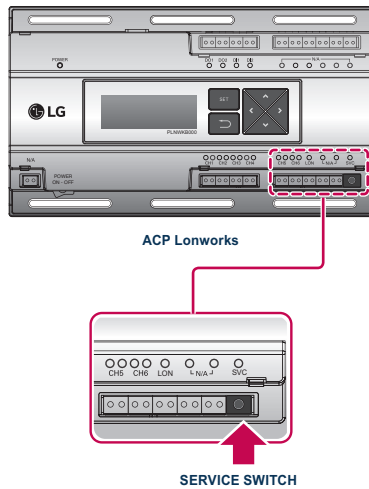
Connecting with Lonworks BMS

After connecting with Lonworks BMS(Lonworks Building Management System), press Service Switch of ACP Lonworks.

Then Service LED will be turned on and the Neuron ID will be sent to Lonworks BMS.

Check that Service LED is changed to normal condition(LED OFF) within 10 minutes.

If Service LED is change to normal condition, it is installed normally.



STARTING

Login and logout

The following explains how to log in and out of Central Controller.

Central Controller is, can be controlled not only equipment, but also Web. If you enter the IP address of the Central Controller in the address bar of the Internet without the installation of another program, the central control program Central Controller, Web server has is executed automatically, to use the functionality of the various content I can.

The Manual, I will explain to Central Controller standard equipment.

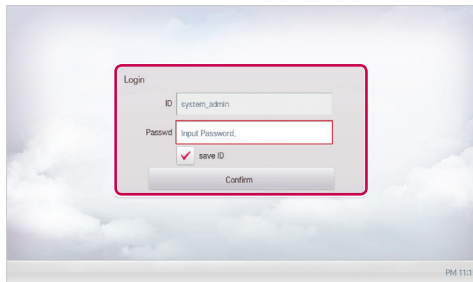
! NOTE

- You will need the Adobe Flash Player be installed for the Web control.(Recommended specification : Adobe Flash Player 11)
- The special character (^), (!) and (,) are not available.

Login

You can login as follows.

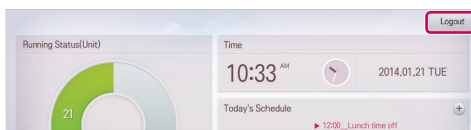
- 1 Run Central Controller.
- 2 After entering your ID and password in the login window, click(touch) [Confirm].
- You should be logged in now.



Logout

You can logout as follows.

- 1 On the top right of the Central Controller home screen, click(touch) the [Logout] button.
- You should be logged out now.



HINT

Pre-Tech Support Checklist

If the abnormality occurs in products, please first check the following points before requesting to service center.

| Symptom | Measures |
|---|---|
| Because there is no icon on the desktop, it is impossible to control. | Please refer to the connection guide. |
| Although running on the desktop icon, Web GUI does not run. | Please check LAN cable and the power supply of Hub. |
| Indoor remote control does not work. | ACP Lonworks in the lock feature is enabled, the remote control function is not set. Peak control state must function setting from the remote control at the indoor unit. If the function is active, set the time schedule may be disabled. |
| I would like to change the name of the indoor unit. | Log in as superuser → System Settings → After select the device you want to change, modify the name of or the device → Apply → Complete group settings |



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Seongsan-gu, Changwon-si, Gyeongsangnam-do, KOREA