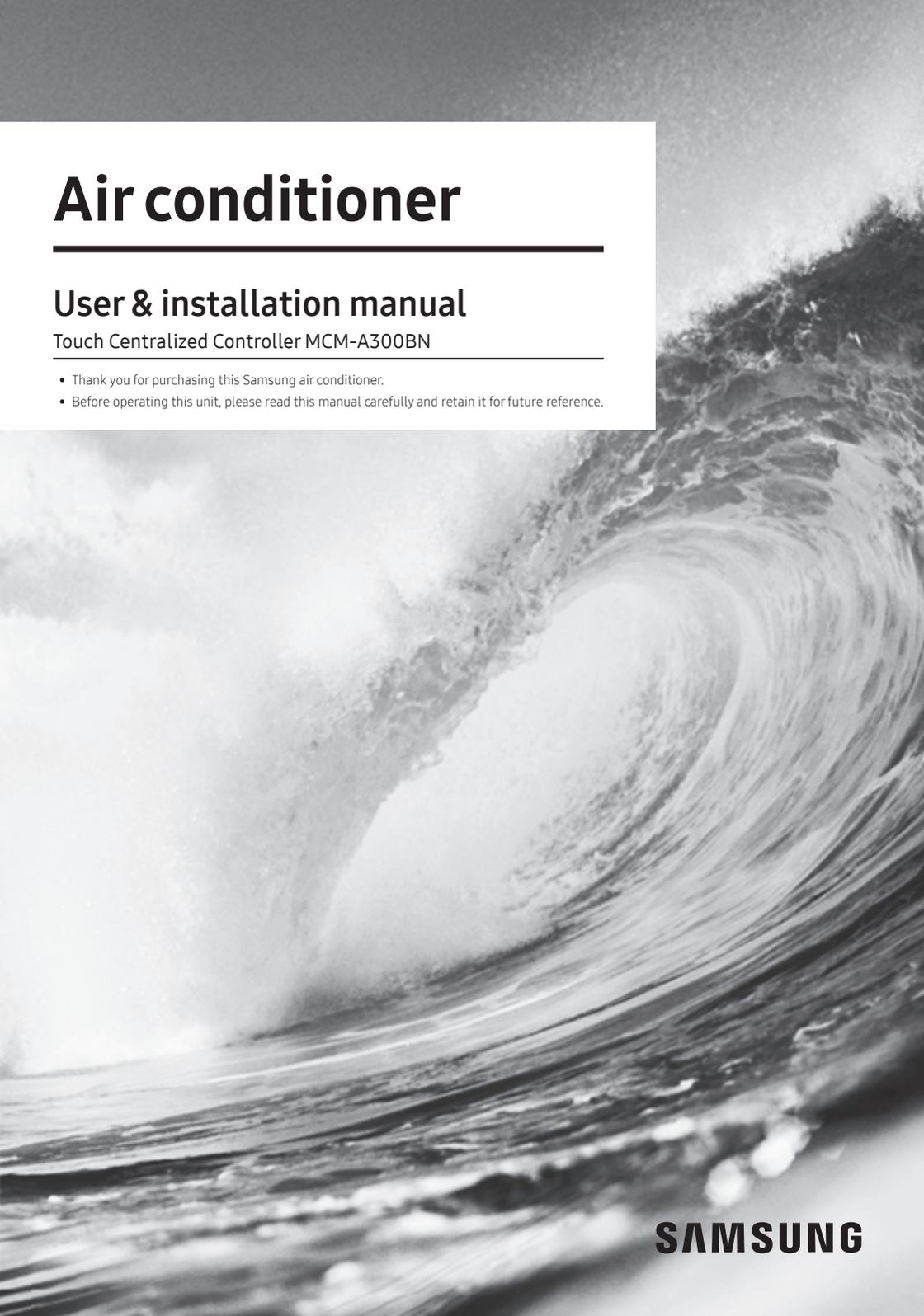


Air conditioner

User & installation manual

Touch Centralized Controller MCM-A300BN

- Thank you for purchasing this Samsung air conditioner.
- Before operating this unit, please read this manual carefully and retain it for future reference.



SAMSUNG

Contents

Safety Information	3
Safety Information	3
How to Use	7
Device Overview	7
Functions	8
Installing the Product	15
Safety Information	15
Check before Installation	16
Touch Centralized Controller Installation	18
How to update to micro SD card	25
Appendix	26
Troubleshooting	26
Specifications	27

For details on how to use the Touch Centralized Controller, refer to the user manual embedded in the Controller.

Safety Information

This content is written to protect a user's safety and to prevent property damage. Please read this manual thoroughly and use the product correctly.

WARNING

Hazards or unsafe practices that may result in severe personal injury or death.

CAUTION

Hazards or unsafe practices that may result in minor personal injury or property damage.

-  Must follow directions.
-  Do NOT attempt.
-  Make sure the machine is grounded to prevent electric shock.
-  Unplug the power plug from the wall socket.
-  Do NOT disassemble.

FOR INSTALLATION

WARNING

-  **Plug the power cord into a wall socket with the power specifications of the product or higher and use the socket for this product only. In addition, do not use an extension cord.**
 - Sharing a wall socket with other products using a power strip or extending the power cord may result in electric shock or fire.
 - Do not use an electric transformer. It may result in electric shock or fire.
 - If the voltage/frequency/rated current condition is different, it may cause fire.
- Never install the outdoor unit in a location such as on a high external wall where it could fall.**
 - If the outdoor unit falls, it may result in injury, death or property damage.
-  **Do not install this product near a heater, inflammable material. Do not install this product in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this product in a location where gas may leak.**
 - This may result in electric shock or fire.
- Do not connect the power cable to control terminal.**
 - Failure to comply may result in electric shock or fire.

CAUTION

-  **This product should be positioned in such a way that it is accessible to the power plug.**
 - Failure to do so may result in electric shock or fire due to electric leakage.
- Install the product on a hard and even place that can support its weight.**
 - If the place cannot support its weight, the product may fall down and get damaged.

Safety Information

FOR POWER SUPPLY

WARNING

 Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failure to do so may result in electric shock or fire.

Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.

- If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

When the product or power plug or power cord is damaged, contact your nearest service center.

 **Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.**

- This may result in electric shock or fire.

Do not pull or excessively bend the power cord. Do not twist or tie the power cord. Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the product.

- This may result in electric shock or fire.

Do not pull the power cord, when unplugging the power plug.

- Unplug the power plug by holding the plug.
- Failure to do so may result in electric shock or fire.

CAUTION

 **When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.**

- Failure to do so may result in electric shock or fire.

FOR OPERATION

WARNING

 If the product is flooded, please contact your nearest service center.

If the product generates a strange noise, a burning smell or smoke, unplug the power plug immediately and contact your nearest service center.

- Failure to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power cord. Do not touch the product or power cord.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

To reinstall the air conditioner, please contact your nearest service center.

- Failure to do so may result in problems with the product, water leakage, electric shock, or fire.
- A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.
- Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.

 Do not touch the power plug with wet hands.

- This may result in electric shock.

After unpacking the product, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

Do not strike or pull the air conditioner with excessive force.

- This may result in fire, injury, or problems with the product.

 Do not attempt to repair, disassemble, or modify the product yourself.

- Do not use any fuse (such as copper, steel wire, etc.) other than the standard fuse.
- Failure to do so may result in electric shock, fire, problems with the product, or injury.

 If any foreign substance such as water has entered the product, cut the power by unplugging the power plug and turning the circuit breaker off and then contact your nearest service center.

- Failure to do so may result in electric shock or fire.

Safety Information

CAUTION

-  When an error message is displayed or abnormal operation occurs, stop operation of the product immediately.
 - When abnormal operation occurs, turn the product off, disconnect its power supply and contact a service center. If the product is used continuously, electric shock, fire and product malfunction may occur.
 -  Do not stand on top of the product nor place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the product.
 - Failure to comply may result in electric shock, fire, product malfunction, or injury.
- Do not operate the product with wet hands.**
- This may result in electric shock.
- Do not spray volatile material such as insecticide onto the surface of the product.**
- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.
- Do not press the product with a sharp object.**
- Failure to comply may result in electric shock or part damage.

FOR CLEANING

WARNING

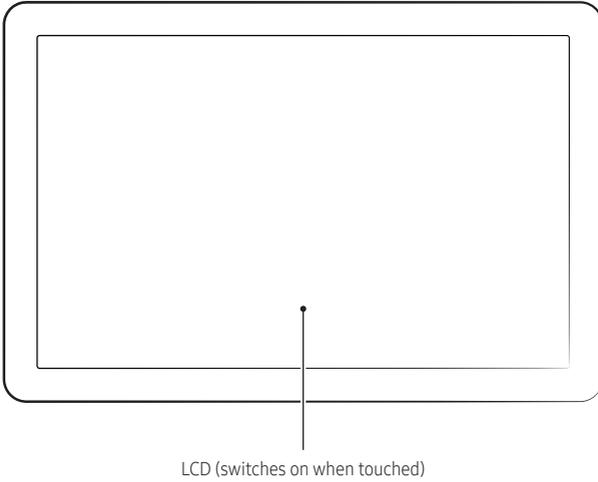
-  Do not clean the product by spraying water directly onto it. Do not use benzene, thinner, alcohol, or acetone to clean the product.
 - This may result in discoloration, deformation, damage, electric shock or fire.

The lowest set temperature is limited to 20 degree in the UAE according to UAE.S 5010-5:2016.

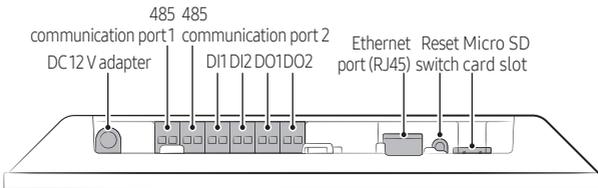
To find ecodesign information for external power supplies: Visit www.samsung.com/global/ecodesign_component, select "external power supply" and enter the model number as given on the external power supply

Device Overview

Front



Bottom



NOTE

- The Ethernet port is not available. (It will become available after the corresponding function is added through software update.)

Functions

Control and monitoring

Grouped control

Use the Home screen to simultaneously control all indoor units, or use the zone screen to simultaneously control the indoor units included within a specific zone.

Setting item	Description	Remarks
All On	Turn on all units.	
All Off	Turn off all units.	
Set Temp	Indoor unit: Control the target temperature. Heat Pump: Control the target temperature, Water outlet temperature and DHW temperature.	
Mode	Indoor unit: Control the operation mode. ERV (ventilation system): Control the operation mode. Heat Pump: Control the operation mode and DHW mode. System Air Purifier: Control the operation mode.	

Individual control

Control and monitor individual indoor units that are connected.

Setting item	Description	Remarks
Power	Indoor unit: Control the power On/Off. ERV (ventilation system): Control the power On/Off. Heat Pump: Control the H/C power or DHW power On/Off. System Air Purifier: Control the power On/Off.	
Temperature	Control the target temperatures for the Indoor unit / Heat Pump.	
Temperature (DHW)	Control the target hot-water-supply temperature for the Heat Pump.	
Wind strength	Control the fan speed.	
Air flow	Control the airflow direction.	
Mode	Control the operation modes of the Indoor unit/ ERV (ventilation system)/Heat Pump/System Air Purifier.	
Mode (DHW)	Control the hot-water-supply operation mode of the Heat Pump.	
Remote control	Control the remote-control level. (Enable/Disable/Conditional)	
Dedicated mode setting	Control the dedicated mode. (Cool/Heat/No limits)	
Temperature limits	Set the Cooling/Heating target temperature limit.	

Setting item	Description	Remarks
Discharge Temperature	Control the discharge temperature.	Only applicable to indoor units for which the discharge temperature can be controlled
Filter	Control the reset of filters. (e.g. Ultrafine dust filter, Fine dust filter, Washable pre filter)	Only applicable to indoor units for which filters can be controlled individually
Options	Purify/Motion detection/Wind Free/Long Wind/Lighting/Clean/Sleep/Away	Only applicable to indoor units that can be controlled individually

- You can select and control one or multiple indoor units.
 - To select multiple indoor units, make sure they are of the same type.
- Turn on or off an indoor unit by selecting the [Power] button for the unit.
- Select an indoor unit, and control the target temperature, operation mode and other settings.
- The control panel displays the states of the selected units in different ways.
 - If a setting is identical for all units, that setting is displayed.
 - If a setting is different from unit to unit, '--' is displayed.
 - If some units are in the On state and other units are in the Off state, 'On' is displayed.

Manage zones

Create zone

- Create a new zone by entering a zone name or selecting from among the provided default zone names.
 - At the top right of the Home screen, tap the [+] button to display the Create zone page.
- After adding a zone, you can move units included in the Unspecified devices zone to the new zone.

Zone name/Change icon and Delete zone

- On the Home screen, touch and hold a zone title to display the zone-management tooltip. Tap the tooltip to redirect to the zone-list page.
- To rename a zone, select a zone name from the zone list and change the name.
- To change a zone icon, select a zone icon from the zone list and change the icon by selecting from among the 16 default icons.
- To delete a zone, select a zone from the zone list and delete it.
 - The units included in a deleted zone automatically move to the Unspecified devices zone.

Rearranging a zone

- Touch and hold the zone to rearrange, and drag and drop it to the desired position.

Functions

Schedule

Manage the operation settings for indoor units by setting schedules.

- You can set a maximum of 50 schedules.
- If you set an exception day, all schedules assigned to that day do not run.

Create schedule

- Tap the [+] button at the top right of the schedule page.
- Settings required to create a schedule

Item	Description	Remarks
Schedule name	Enter a schedule name.	
Start	Set the start date of the schedule.	
End	Set the end date of the schedule.	
Exception date	Select (a maximum of 50) exception days when you do not want the schedule to run.	
Time	Set the time when the schedule will run.	
Days of the week	Select which days of the week (e.g. Mon, Tue, Wed, Thu, Fri, Sat, Sun) the schedule will run.	
Select device	You can select zones or devices. It is not possible to select the unspecified devices zone or a zone that has no indoor unit.	
Actions	Operation settings for indoor units that will be controlled according to the schedule <ul style="list-style-type: none">• Indoor unit: Power, Setting temperature, Mode, Wind strength, Wind direction, Air flow, Remote control (Enable/Disable/Conditional)• ERV (ventilation system): ERV power, ERV mode, ERV Wind strength, Remote control (Enable/Disable/Conditional)• ERV Plus: Power, Mode, ERV power, ERV mode, ERV Wind strength, Remote control (Enable/Disable/Conditional)• Heat Pump: Power, Mode, Setting temperature, Water outlet temperature, DHW power, DHW mode, DHW temperature, Remote control (Enable/Disable/Conditional)• System Air Purifier: Power, Mode, Wind strength, Wind direction, Wind Free and Sleep, Remote control (Enable/Disable/Conditional)	The operation feature is only available for setting items supported by the indoor units assigned to the schedule.

Editing a schedule

From the schedule page, tap the schedule to edit, to display the Edit page.

Deleting a schedule

Touch and hold the schedule to delete, to switch to Edit mode. At the bottom right of the page, tap the [Delete] button to delete the schedule.

- Alternatively, at the top right of the schedule page, tap the [Edit] button from the '⋮' menu, and then tap the [Delete] button at the bottom right.

Enabling/disabling a schedule

An individual schedule can be enabled or disabled by tapping the toggle switch on the right of the schedule card.

History

View the history of errors that occurred in the units connected to the Touch Centralized Controller.

At the top right of the Home screen, select the [History] button from the '⋮' menu, to view the error records.

Settings

Display

- Wallpapers
Select images to display on the Home screen and Cover screen.
Basic background images are provided. You can also use custom images by using a micro SD card.

CAUTION

- To use a custom image, ensure the image file resolution is 1280x800 and the file size does not exceed 10 MB.
- Only images with an extension of PNG, GIF or JPG are supported.
- Images included in the 'wallpaper/images' folder in a micro SD card are displayed, and a maximum of 12 images can be used.
- Brightness
Change the screen brightness in the range of 1% to 100%. The default value is 50%.
- Screen off time
Select from among 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes and 10 minutes. The default value is 1 minute.

Functions

Lock

Use this Lock feature when you want to limit access to a specific feature.

- Screen lock type
 - Swipe: If the screen has switched off after a specified period of time and a user taps or swipes on the cover screen, the user is redirected to the previously used page.
 - Password: If the screen has switched off after a specified period of time and a user taps or swipes on the cover screen, the user is prompted to enter the password before being redirected to the previously used page.
 - None: When the screen has switched off, the cover screen does not appear and the previously used page appears.

CAUTION

- If 30 minutes have elapsed after the screen switched off, the Home screen appears, instead of the previously used page.
- Operation panel lock
Prevent specific items from being controlled by users.
For example, you can prevent the operation mode from being controlled by users.
- Menu lock
Lock specific features in the Touch Centralized Controller, so that users are prompted to authenticate themselves before accessing such features.
If a menu is locked, you can only access the menu after entering the password.

CAUTION

- The 'Back up and restore' menu is locked by default.
- Set password
To use features for which user access is restricted, such as Tracking and Entire system, users should authenticate themselves by entering the password. There is no initial password. Users can set the initial password before using the Controller for the first time.

General management

- Device name: Set the name of the Touch Centralized Controller. (The specified name appears on the cover screen and Home screen and in the device information.)
- Language: Select a language from among Korean, Chinese, Germany, Greek, English, Spanish, French, Italian, Hungarian, Dutch, Portuguese, Polish, Slovak and Turkish.
- Date/Time: Set the date/time of the Touch Centralized Controller. Select whether to display the time in the 24-hour format.
- Summer time: Configure Summer time (daylight saving) settings.

CAUTION

- If the date or time is not set correctly, schedules may not run at the intended times.
- Display as address instead of device name: Identify a unit by viewing the unit address, instead of the unit name.
- Reboot TCC 2.0: Restart the Touch Centralized Controller.

CAUTION

- To restart, user authentication is required.

System

- Tracking: The Touch Centralized Controller searches for the installation and state information of the units constituting the system. (for a maximum of 30 minutes).
To use this function, user authentication is required.
- Temperature display unit: Select Celsius or Fahrenheit as the unit in which temperature is displayed.
- Temperature control unit: Select 1 or 0.5 as the amount by which the set temperature will be changed. If temperature is displayed in Fahrenheit, the temperature control amount is fixed to 1.
- Heating indoor compensation temperature display: Display the calibrated value as the current temperature in heating mode.
- Level control: In Remote control lock mode, indoor units cannot be controlled from the On/Off controllers or the wired/wireless remote control.
- Silent control: Control indoor units, connected to the Touch Centralized Controller, in mute mode.
- DI pattern: Define the operation rules depending on the DI signal. (Refer to the 'DI patterns' section for details.)

Functions

Installation

- Initial settings: Configure all basic settings at once when running the Touch Centralized Controller for the first time (or after a full system reset is complete).
 - Setting items: Language, Date and time, Screen lock type and others.
- Tracking: The Touch Centralized Controller searches for the installation and state information of the units constituting the system. (for a maximum of 30 minutes).
To use this function, user authentication is required.

CAUTION

- After tracking for the first time, all units are included in the Unspecified devices zone.
Even if tracking is performed after zones are edited by users, the edited zone information is retained.
- Back up and restore: Save all user information, stored in the Touch Centralized Controller, to a micro SD card, and restore by using the saved data. Data restoration requires user authentication.

CAUTION

- To use the Back up and restore feature, connect the micro SD card to the Touch Centralized Controller.
- Reset device - Entire system: Delete all user information stored in the Touch Centralized Controller. To use this feature, user authentication is required.

Device information

- Device information: Display the following information of the Touch Centralized Controller: Version, MAC address and Model number.
 - This information is displayed when 'Information' is selected from the '⋮' menu at the top right of the Home screen.
- For the open-source-related information, refer to Open Source License on the 'Information' screen.
- User manual: View the user manual as a PDF file.

Safety Information

Read the manual thoroughly before installing the product. (Refer to the appropriate manual for installing other optional parts.)

WARNING

Hazards or unsafe practices that may result in **severe personal injury or death**.

CAUTION

Hazards or unsafe practices that may result in **minor personal injury or property damage**.

WARNING

Contact a service center for installation.

- Potential risk of malfunction, water leak, electric shock and fire.

Install the product on a hard and even place that can support its weight.

- If the place cannot support its weight, the product may fall down and it may cause product damage.

Install the product with proper power supply.

- Potential risk of fire or product damage.

Do not move or reinstall the product on your discretion.

- Potential risk of electric shock or fire.

Do not attempt to repair, disassemble, or modify the product yourself.

- Potential risk of product damage, electric shock or fire. If repair is needed, consult a qualified installer or service center.

Consult the place of purchase or a contact center to disassemble or repair the product.

- Potential risk of malfunction, electric shock, or fire.

Check if the installation work is done correctly according to the installation manual.

- Incorrect installation may cause electric shock or fire.

The electric work must be done by qualified person according to national wiring regulations and installation guide.

- If an unauthorized person performs the installation, any resulting defects can cause malfunctions, electrical shocks, or fire accidents.

Contact the service center when you need to dispose the product.

CAUTION

Do not install the product where there's combustible gas.

- Potential risk of fire and explosion.

Do not install the product in areas exposed to oil or vapor.

- Potential risk of product damage or malfunction.

Ensure no water gets into the Wired Remote Controller.

- Potential risk of electric shock or fire.

Do not put undue stress on the power cable.

- Potential risk of broken cable and fire.

Install the air conditioner away from direct exposure to sunlight, in room temperature range of 0 °C(32 °F) ~ 39 °C(102 °F).

- Potential risk of electric shock or malfunction.

Do not install the product in areas with frequent use of acid or alkali spray.

- Potential risk of electric shock or product malfunction.

Do not handle the product with sharp objects.

- Potential risk of electric shock or product damage.

Do not connect power cable to a communication terminal.

- Potential risk of fire.

Be cautious not to interfere any other electrical devices if the product is installed in a place such as hospital.

- Potential risk of product malfunction.

Check before Installation

Connecting cables

Cabling should be completed in advance, in such a way that cables can be connected without having to be pulled too tightly to the wall on which the Controller will be installed.

Accessories

Before installation, check the package and confirm that all of the following items are contained. The types and quantity of components can vary, depending on manufacturing specifications.

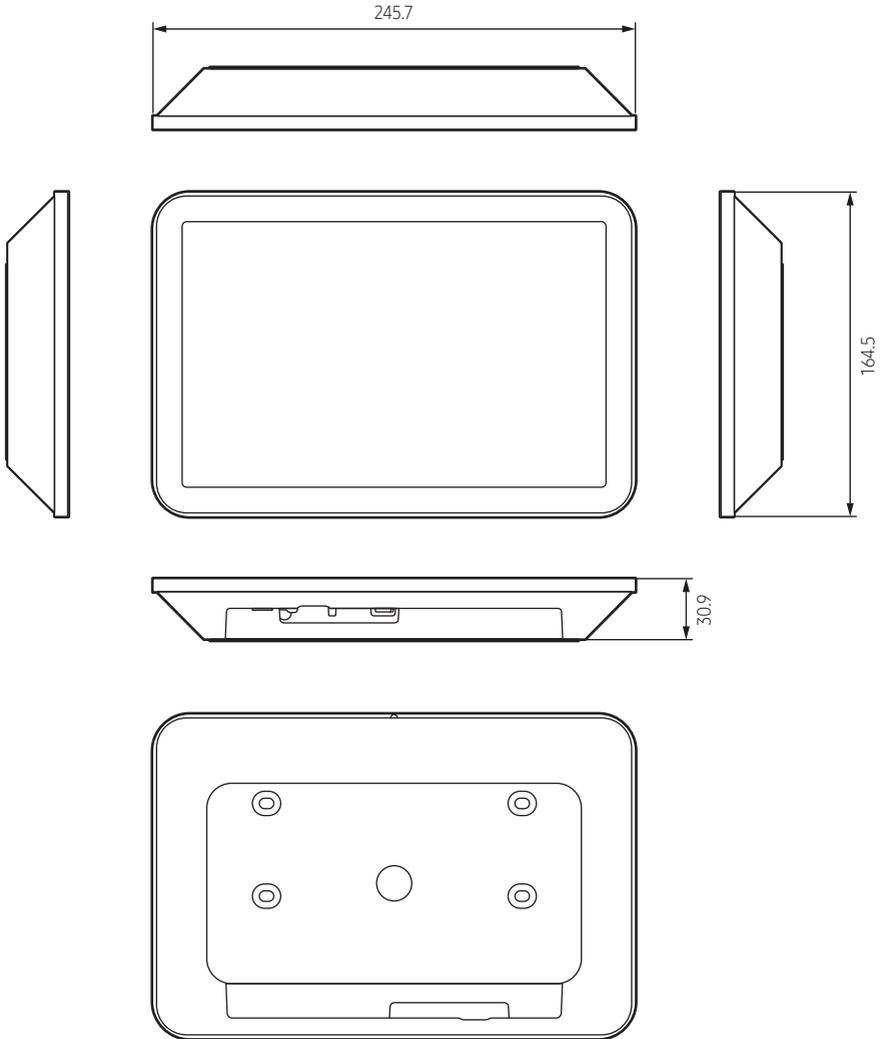
Item	Touch Centralized Controller	Adapter	Power cable	Cable tie	M4x6 mm screw	User & installation manual
Quantity	1	1	1	3	4	1
Shape						

CAUTION

- The Touch Centralized Controller must be installed by a professional installation technician.
- Before installation, make sure you confirm that the Controller power is off.
- Install the electrical wiring in a wall so that it cannot be reached by users, according to the relevant electrical wiring regulations.

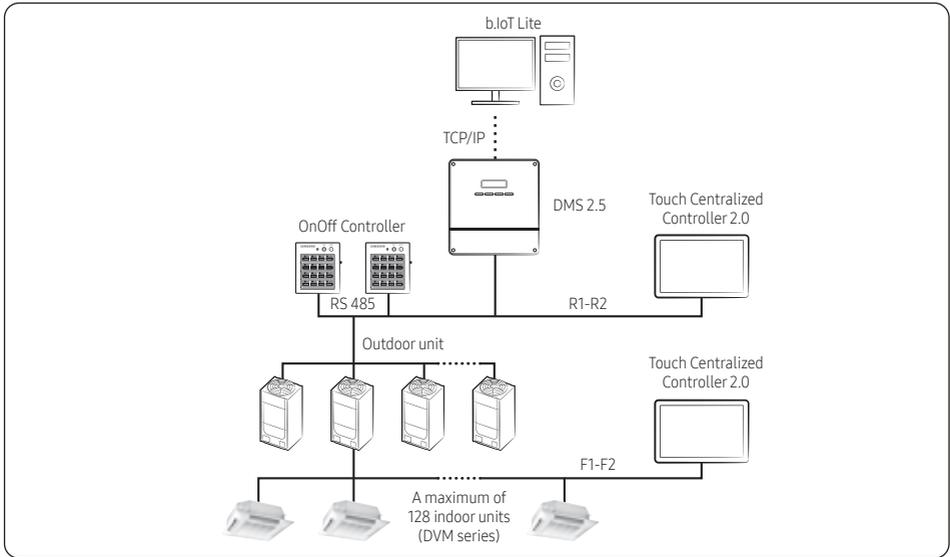
External Dimensions

(unit: mm)



Touch Centralized Controller Installation

System Diagram



Checking the power connection

- 1 Tap on the LCD of the Touch Centralized Controller to turn on the LCD.
- 2 Confirm that the LCD turns on.
 - If the LCD does not turn on, confirm that the power adapter (DC 12 V, 3.34 A) is connected correctly.

Maximum number of units that can connect to the Touch Centralized Controller

Unit	Control unit communication (R1-R2)	Indoor-outdoor unit communication (F1-F2)
Outdoor unit	32 units (16 units for each 485 channel)	2 units (1 unit for each 485 channel)
Indoor unit (Indoor unit/ERV/Heat Pump)	128 units (128 units for each 485 channel)	128 units (64 units for each 485 channel)

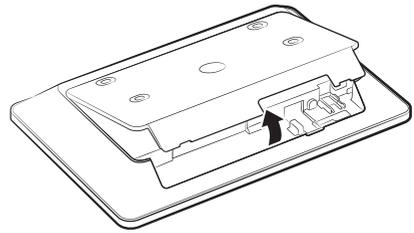
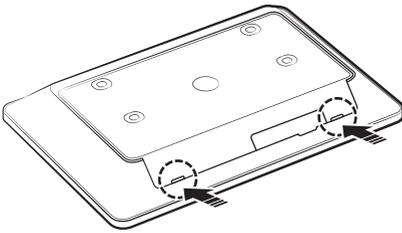
NOTE

- Maximum number of indoor units that can connect to the indoor-/outdoor-unit communication port
 - A maximum of 64 units can be connected to each 485 channel. Note that the total number of units that can connect to two channels cannot exceed 128.
 - Outdoor units are counted on an individual unit basis.

Installing the Touch Centralized Controller

CAUTION

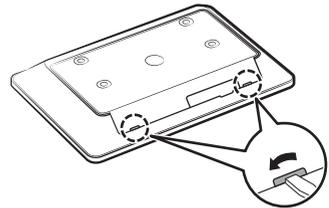
- Do not install the kit in an area where it may be exposed to moisture or impact.
 - Operating temperature: 0 - 40 °C, Operating humidity: 30-90 % (relative)
- 1 Insert a flat-head screwdriver into each of the square grooves at the lower part of the Touch Centralized Controller, turn the screwdriver and then remove the back cover.



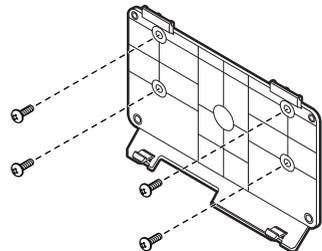
※ Push both latches at the same time.

NOTE

- Use a flathead screwdriver to turn the square hole at the upper part of the fixing hook for easy removal.

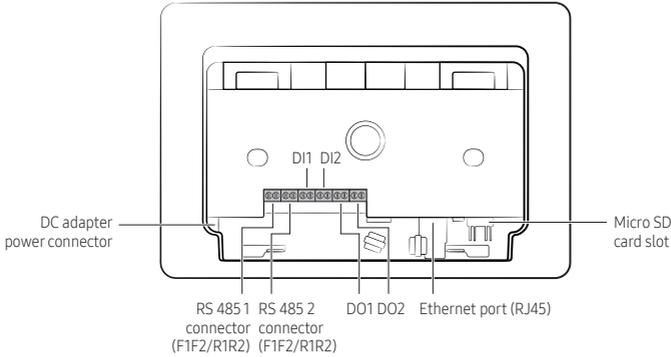


- 2 Use four screws to attach the Touch Centralized Controller wall-mount plate to the wall.



Touch Centralized Controller Installation

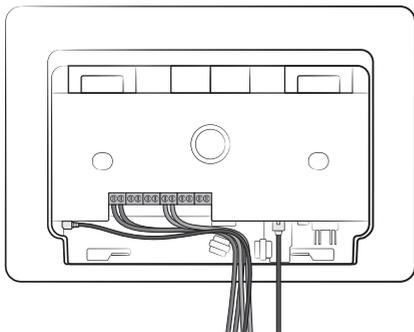
- 3 Connect the communication cable to the RS485 connector, the LAN cable to the Ethernet port (RJ45) and the contact-signal cables to the DI/DO connectors.



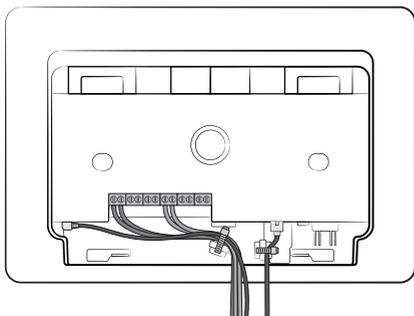
NOTE

- The RS485 channel provides two ports. Connect cables to these ports as required, depending on the installation environment. If you assign many units to a single RS485 channel, the communication speed may decrease. If 64 units or more are installed, assign the units to different channels, to distribute the load.
- The DI and DO connectors are contact connectors that are used by configuring function settings, such as emergency stop and operation. For more information, refer to the details on DI/DO operation pattern settings.
- The Ethernet port is not available. (It will become available after the corresponding function is added through software update.)
- With a micro SD card, you can use the Software update, Back up and restore and Set as wallpaper features.

-
- 4 Tidy up the power and communication cables at the bottom.

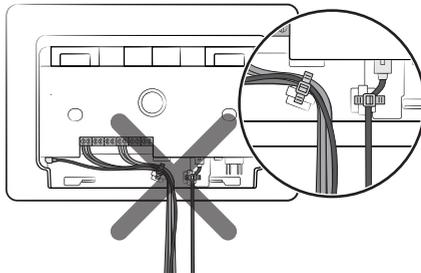
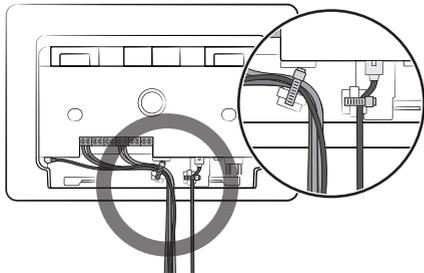


- 5 Use the supplied cable ties to fix the cables to the cable clips.



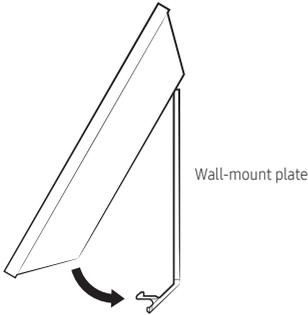
 **CAUTION**

- Ensure that the knots of the cable ties face the side.



Touch Centralized Controller Installation

- 6 Hang the Touch Centralized Controller onto the wall-mount plate on the wall, and insert the tab at the bottom of the plate into the slot on the Controller.
 - Make sure to confirm that the bottom tab has been inserted securely, to prevent the Touch Centralized Controller from falling and being damaged.



CAUTION

- It is recommended that the Touch Centralized Controller be installed on a wall, to prevent malfunction and breakage and to ensure safe use.
- 7 Connect the power supply to the power adapter of the Touch Centralized Controller.

Tracking

Tracking is a process of finding indoor/outdoor units connected to the Touch Centralized Controller.

To control or monitor your system-air-conditioner units using the Touch Centralized Controller, you should complete the tracking process.

Use the tracking feature only when the number of connected system-air-conditioner units or the unit model has been changed.

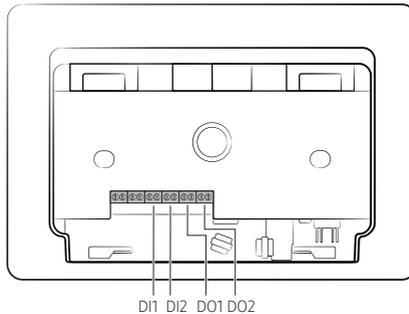
- 1 Connect the power supply, navigate to [Settings] > [System] > [Tracking] and then start tracking.
- 2 Tracking is performed for a maximum of 30 minutes.
 - Tracking may take long if many indoor and outdoor units are connected.
- 3 After the tracking is complete, the connected units are shown on the initial screen.
- 4 To view units the tracking of which is complete, navigate to [Settings] > [System] > [Tracking].
- 5 Indoor units with 'Without central control' selected is locked in the hidden state, in which case the settings for those units cannot be changed.

External contact control for DI ports (optional feature)

DI pattern settings

Configure pattern settings from [Settings] > [System] > [DI pattern].

- DI ports: Connect dry-contact inputs to these ports.



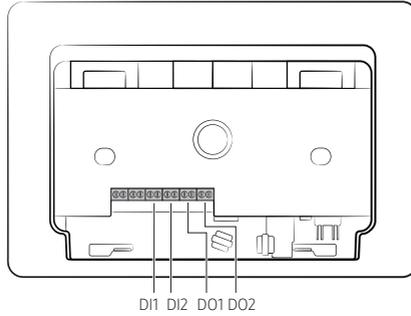
Control patterns

Pattern	Control details
Pattern 1	There is no external input. (factory settings state) If a contact-control signal is received through port 1, the Controller does not control anything.
Pattern 2	If a DI-1 ON signal is received, the Controller switches to emergency stop mode. It stops the operations of all indoor units, and sends a command to the indoor units so that they cannot be controlled using the remote control. While in the emergency stop state, issuing control commands by users is prevented. Schedule control also does not work. If the contact-control signal state changes to OFF, control commands are processed normally. (In pattern 2, DI-2 is not used.)
Pattern 3	If a DI-1 ON signal is received, the Controller turns on all indoor units. It turns off all indoor units if a DI-1 OFF signal is received. If a DI-2 ON signal is received, the Controller enables the remote control for all indoor units. It disables the remote control if a DI-2 OFF signal is received.
Pattern 4	The effective pulse width for input signals is 0.5 to 1.0 seconds. Signals with a pulse width of less than 0.5 seconds or of 1.0 seconds or more are ignored. If a pulse contact signal enters DI-1, the Controller sends the ON command to all indoor units. If a pulse contact signal enters DI-2, the Controller sends the OFF command to all indoor units.

Touch Centralized Controller Installation

DO ports

- DO1 operation details: DO output turns on if at least one indoor unit is turned on.
DO output turns off if all indoor units are turned off.
- DO2 operation details: DO output turns on if at least one unit has an error.
DO output turns off if there is no error in any of the units.
- DO ports: The positive (+) port sends 12 V and the negative (-) port sends Open Collector signals.
The DO ports are driven using a current of 10 mA or less



How to update to micro SD card

- 1 Copy the latest software update file to the micro SD card.

NOTE

- Make sure you format the micro SD card in the FAT32 or FAT16 format, before copying the latest software update file.
- Make sure to use an SD card of class 10 or higher. Lower-class SD cards may have version-recognition errors.

- 2 Insert the micro SD card into the micro SD card slot at the bottom of the Touch Centralized Controller.

NOTE

- Before proceeding to the update, navigate to [Settings] > [System] > [Back up and restore] > [Back up device], and back up the data, just in case of problems during the update.

- 3 Select [Settings] > [System] > [Software update].

- 4 If the software image is correct, select [Start] from the displayed update dialogue box.

- 5 When a message appears that the update is complete, you can use the Controller normally.

NOTE

- After the update is complete, remove the micro SD card.
- If the update has failed, take the following measures:
 - If the file has a problem, change the update image (file).
 - If the micro SD card has a problem, change with a different micro SD card.
 - If the Controller has a problem, replace the Controller.

Troubleshooting

Check the following before requesting a service from the Service Center.

Symptom	Measure
The LCD appears blank.	<ul style="list-style-type: none"> Check the power connection, and reconnect it if necessary. The LCD automatically switches off if it is left idle for a specified period of time. Tap on the LCD to switch it on.
Touchscreen input does not work.	Press the reset switch to reboot the system.
Indoor units cannot be controlled.	Check the communication cable connection to the indoor and outdoor units.
The target temperature cannot be increased or decreased.	If a temperature limit is set, the target temperatures for indoor units can be controlled only within the temperature limit range.
Indoor units cannot be controlled using the remote control.	If Remote control lock is selected, indoor units cannot be controlled using the wired or wireless remote control.
Schedules do not run at the specified times.	Navigate to [Settings] > [General management] > [Date] and [Time], and change the current date and time settings.
The [All on] and [All off] options are disabled.	Confirm that there are installed units and that not all of the installed units have errors.
The [Set Temp] button on the Home screen is disabled.	Confirm that not all of the installed units are in a state in which temperature cannot be controlled, as follows: <ul style="list-style-type: none"> All units are in fan mode. All indoor units are off. All units have errors.
The [Mode] button on the Home screen is disabled.	Confirm that there is no error in the installed units.
The [Change order] button is not shown even if I press a unit card.	When the Controller has entered the Operation status or Unspecified devices zone, the button disappears, because it is not possible to rearrange units.
[Set password] cannot be saved.	Ensure that the password is at least eight characters long and has a combination of at least one alphabet letter, at least one special character and at least one numeric character.

Specifications

Model name		MCM-A300BN
Size (WxHxD)		245.7 x 164.5 x 30.9 mm
Max. number of units that can connect		128 indoor units
Display		10.1-inch capacitive touch display (1280 x 800 pixels)
Memory	RAM	3GB
	Flash	16GB
External ports	DI/DO	2 ports / 2 ports
	SD card slot	1 micro SD slot
	RJ45 (LAN)	1 port (1 Gbps)
	RS485 (NASA)	2 EA
	Installation type	Wall-mount type
Power supply		Supplied through a DC 12 V adapter (AC 100–240 V, 50/60 Hz)
Operating system		Tizen O/S



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

(For India only)

For more information on safe disposal and recycling, visit our website www.samsung.com/in/support or contact our Helpline numbers - 1800 40 SAMSUNG (1800 40 7267864)

1800 5 SAMSUNG (1800 5 7267864).

This product is India RoHS compliant

