

SAMSUNG

Wired Remote Controller

MODEL CODE : MWR-WW10N
MWR-WW10JN
MWR-WW10KN

SERVICE *Manual*

Wired Remote Controller



Contents

1. Precautions
2. Features and Specifications
3. Disassembly and assembly
4. Troubleshooting
5. Parts layout
6. Wiring diagram
7. S/W Download

Contents

1. Precautions	1-1
1-1. Service Precautions.....	1-1
1-2. Product Safety Precautions	1-1
2. Features and Specifications	2-1
2-1. Product Features	2-1
2-1-1. Product Features.....	2-1
2-1-2. Changes compared to basic products.....	2-2
2-2. Product structure.....	2-3
2-3. Product Specification	2-4
2-3-1. Environment and Specification	2-4
2-3-2. Feature expansion specification	2-5
2-4. How to install	2-18
2-4-1. Wired remote control installation	2-18
3. Disassembly and assembly	3-1
4. Troubleshooting.....	4-1
4-1. Things to check before diagnosis	4-1
4-1-1. Errors displayed on the Wired Remote Controller	4-1
4-2. Action by symptom	4-2
4-2-1. When the LCD screen does not come out	4-2
5. Parts layout.....	5-1
6. Wiring diagram.....	6-1
7. S/W Download	7-1

1. Precautions

1-1. Service Precautions

- **When replacing electrical parts, be sure to use the rated parts.**
 - Check the display of the model name, rated voltage, rated current, etc. of the electrical parts.
- **When repairing the fault, please repair the connection of HARNESS type firmly.**
 - If the wiring is not good, abnormal noise or abnormal operation may occur.
- **If the product is disassembled and assembled while lying down, work on the operation beam.**
 - Scratches may occur on the back of the product.
- **When repairing a fault, remove dust and foreign matter from the HOUSING, wiring and inspection parts.**
 - It is possible to prevent fire hazard such as TRACKING, SHORT.
- **Check the assembly of the parts after the fault has been repaired.**
 - It must be in the same state as before repair.

1-2. Product Safety Precautions

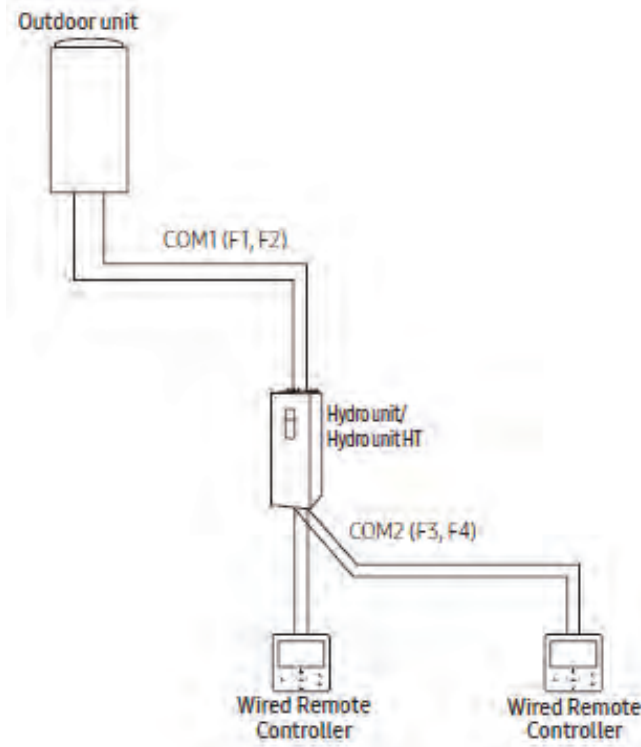
- **Do not pull on the wire or touch the power plug or the auxiliary power switch with wet hands.**
 - Risk of electric shock or fire.
- **If the power cord or power plug is damaged, be sure to replace it to prevent danger.**
- **Do not bend the wires excessively or do not break them with heavy objects.**
 - Risk of electric shock or fire.
- **Do not use multi-outlet.**
 - Risk of electric shock or fire.
- **Ground if necessary.**
 - In particular, be sure to ground if water or humidity indicates that there is a risk of a short circuit.
- **When replacing or repairing electrical parts, unplug the power plug or turn off the auxiliary power switch.**
 - There is a danger of electric shock.

2. Features and Specifications

2-1. Product Features





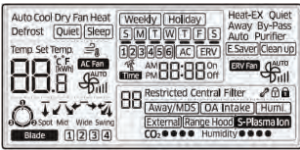
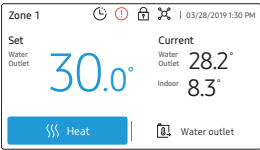
2-1-1. Product Features

- Color Graphic LCD (4.3 ") wired remote control with large screen
 - Floating Display for user-desired point function



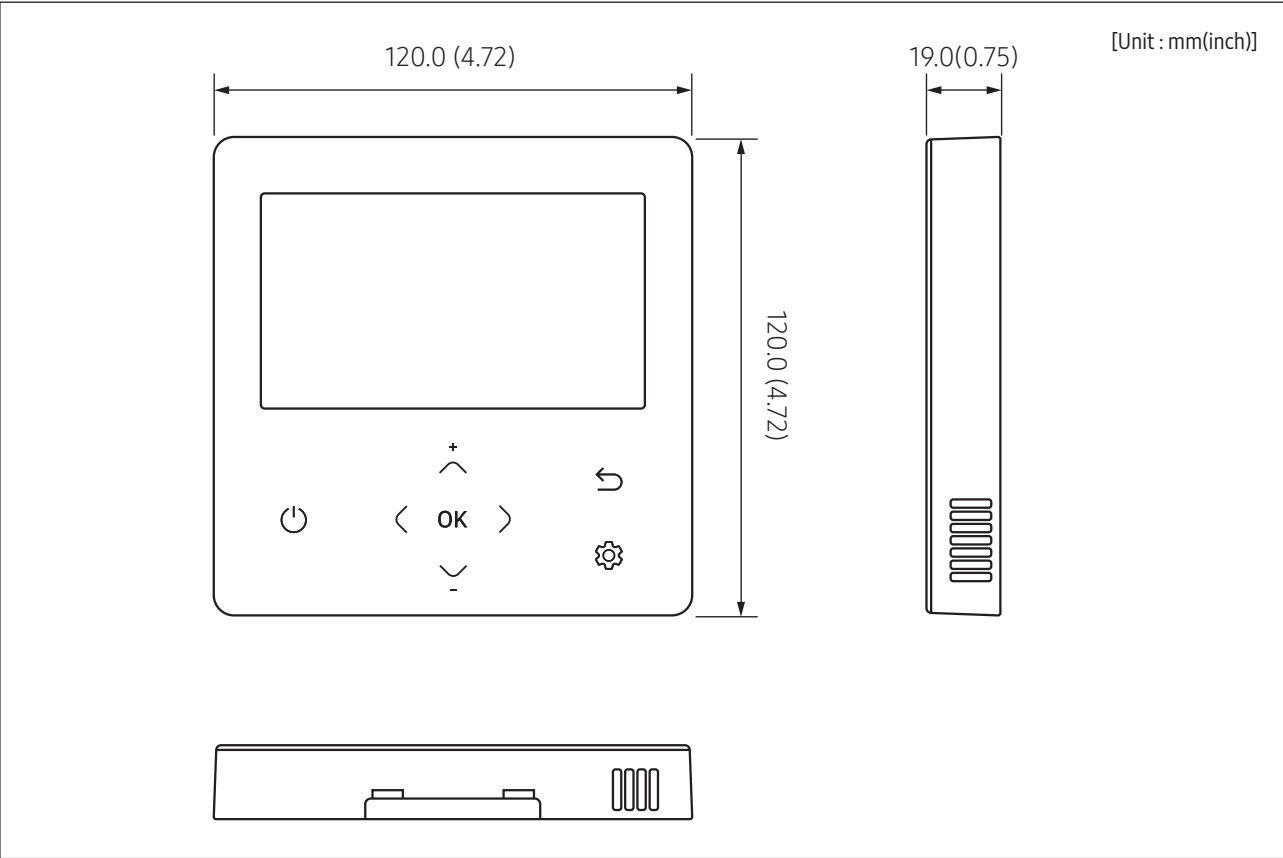
[For the slave wired remote controller settings,
please refer to the sections about the wired remote controller installation/service mode.]

2-1-2. Changes compared to basic products

Item	Basic (MWR-WE13N)	New (MWR-WG00JN/MWR-WG00KN)	Changes
CASE			Apply new CASE - CASE TOP - CASE BOTTOM
ASSY PCB			Applying new PBA
ASSY DISPLAY			Fixed LCD Display → Color floating type LCD Display
ETC	<ul style="list-style-type: none"> - Software code <ul style="list-style-type: none"> • Main Micom: DB91-01543A - Fixed Display Icon - No air cleanliness indication - No indication of indoor model information 	<ul style="list-style-type: none"> - Software code <ul style="list-style-type: none"> • Main Micom: DB91-02150A • Touch Micom: DB91-02076A • Image Micom: DB91-02077D - Color Floating Display Icon - Air cleanliness value display (PM 10 / 2.5 / 1.0) - Indication of indoor model information (Serial No, model code) 	

2-2. Product structure

External Dimensions

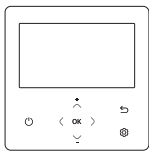

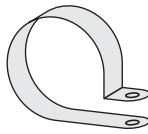
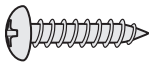
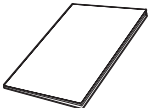
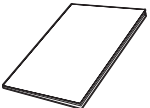



2-3. Product Specification

2-3-1. Environment and Specification

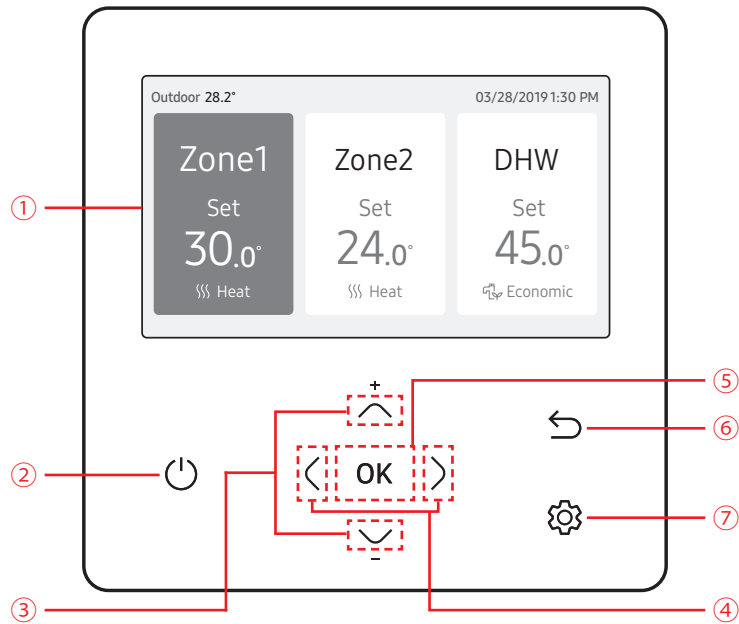
Classification	Item	Specification	Remarks
General Conditions	Use Area	Region of use (Korea)	
	Type of use	Wall-mount type, air conditioner Indoor unit Remote controller	Refer to User's Manual Refer to Installation Guide
	Accessory Supply	Contact Service Center	
Installation conditions	Operating temperature	0 °C ~ 40 °C (indoor content)	
	Operating humidity	Humidity 30% RH to 90% RH (except for condensation)	
Power	input	12VDC / 25A	
Installation	Installation space	Installation Mounting wall Installation	
Delivery	Open	Follow the prescribed sequence.	
	Delivery confirmation	<ul style="list-style-type: none"> • Check by delivery CHECK SHEET, repair defective items. • Instructions for use, conditions of use, and precautions for use are given in the instructions. In case of a problem in this process, the service is available where possible. 	
Installation Instructions		Reference Guide Installation Guide	Refer to Installation Guide
ETC		Be sure to refer to installation guides and user manuals.	Refer to Installation Guide

■ Accessories

Name	Wired Remote Controller	Cable Tie	Cable Clamp	M4x16 Screw	User's Manual	Installation Guide	U Terminal
Quantity	1	2	3	5	1	1	6
Shape							

2-3-2. Feature expansion specification

■ Look at the button



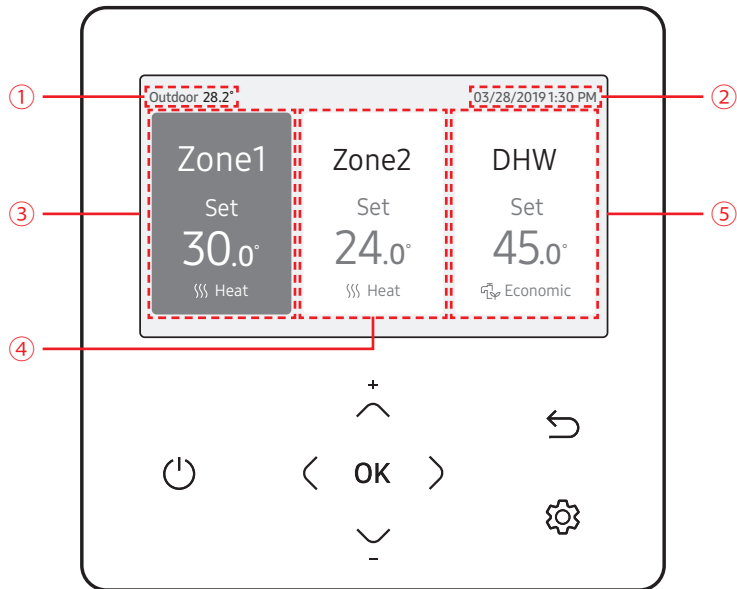
Num	Overview
①	Operation status display : Displays the operation/function settings and statuses.
②	Operation On/Off button (LED) : Turns the air conditioner/ventilator power On/Off
③	Up/Down button : Moves between items vertically or changes the set temperature.
④	Left/Right button : Moves between items horizontally or changes the item value.
⑤	OK button : Saves your new settings.
⑥	Save & Return button : Saves your new settings and returns to the previous step.
⑦	Option button : Selects the detailed setting function.



- The operation mode display on the remote controller changes depending on the selected language.
- Some functions may not be available, depending on the indoor unit specifications.
- You can see the operation status on the LED display.
 - On: Product is operating
 - Blinking: Error occurred
 - Off: Product is off

Feature expansion specification

■ Home Screen



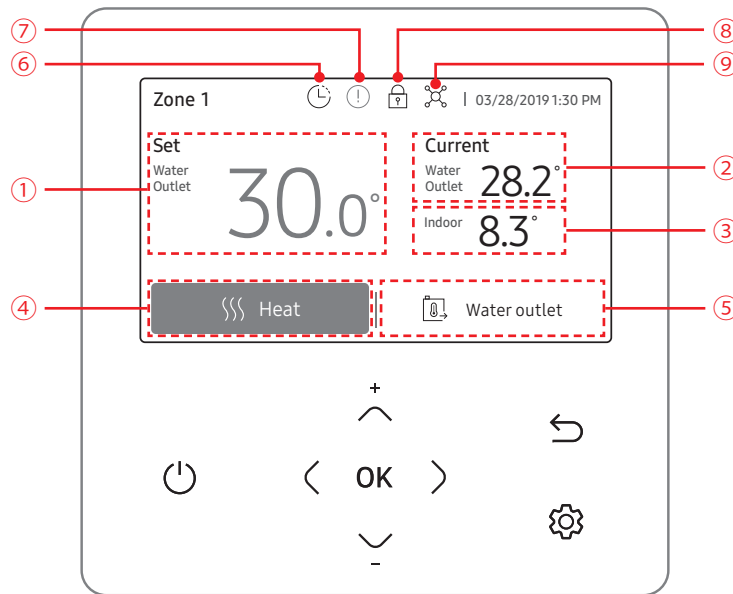
Num	Overview
①	Outdoor temperature display : Displays outdoor temperature.
②	Date and time display : Displays current date and time.
③	Zone 1 display : Displays set temperature and operation modes for Zone 1.
④	Zone 2 display : Displays set temperature and operation modes for Zone 2.
⑤	DHW display : Displays set temperature and operation modes for DHW



• The Home screen may vary depending on whether Zone control is selected at the initial installation and whether DHW is supported.

Feature expansion specification

■ Zone Screen



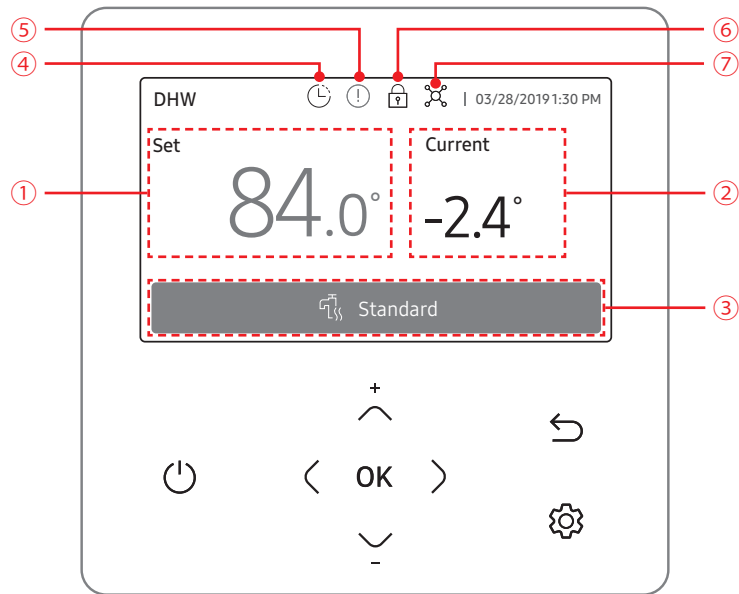
Num	Name
①	Set temperature display : Displays the set temperature.
②	Current temperature display : Displays current temperature for Water Outlet.
③	Current temperature display : Displays current temperature for Indoor.
④	Operation mode display : Displays any of Auto, Cool, and Heat.
⑤	Temperature sensor display : Displays any of Water Law, Water Outlet, and Indoor.
⑥	Schedule indicator : When you are setting a schedule. When you are setting the operation time limit.
⑦	Check indicator
⑧	Lock indicator
⑨	Central Control indicator



- Unavailable functions are marked inactive and they cannot be set.
- The locations of icons may differ depending on the function.
- When you do not press any button for 7 seconds, the function of the position is automatically selected.

Feature expansion specification

■ DHW Screen



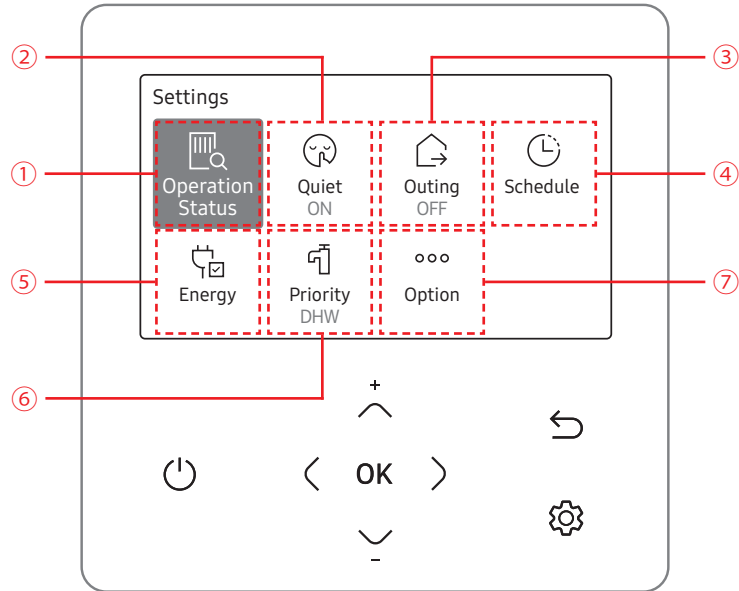
Num	Name
①	Set temperature display : Displays the set temperature.
②	Current temperature display : Displays current temperature for Water Outlet.
③	Operation mode display : Displays any of Economic, Standard, Power, and Forced.
④	Schedule indicator : When you are setting a schedule. When you are setting the operation time limit.
⑤	Check indicator
⑥	Lock indicator
⑦	Central Control indicator



- Unavailable functions are marked inactive and they cannot be set.
- The locations of icons may differ depending on the function.
- When you do not press any button for 7 seconds, the function of the position is automatically selected.

Feature expansion specification

■ Settings Screen



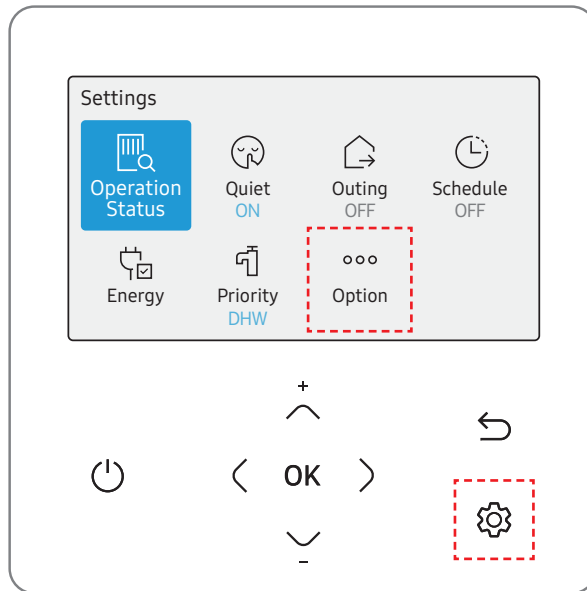
Num	Overview
①	Operation status display
②	Quiet display
③	Outing display.
④	Schedule display
⑤	Energy display
⑥	Priority A2A display
⑦	Option display









- Functions that are not supported are marked inactive and can not be set.
- You can also use the button to select the menu with the > button function of the additional function.
- If the button is not pressed for 180 seconds when setting the additional function, the setting value is not saved and the screen is moved to the Home screen.

Feature expansion specification

■ How to set the Option & User mode



1. Press the  button.
2. Press the   or    button to select Option, and then press the OK button.
3. See the following pages to select the desired menu.

Step1	Step 2	Step 3	Step 4	Step 5	Description	Default		
Button Lock					ON/OFF	OFF		
ErrorList					-	-		
Indoor Unit Information					-	-		
UserMode	Language				Differs depending on the language	First value for the language pack		
	Daylight Saving Time	Daylight Saving Time			ON/OFF	OFF		
		Unit			Day/Week	Week		
		Month			January to December	Mar		
		Week			1st to 4th, F (final week)	F (final week)		
		Day			1 to 31	22		
	Lock	Lock of partial function	All Lock			ON/OFF	OFF	
			Operation Mode Lock	Operation Lock			ON/OFF	OFF
				All Mode Lock			ON/OFF	OFF
				Auto Mode Lock			ON/OFF	OFF
				Cool Mode Lock			ON/OFF	OFF
			Heat Mode Lock			ON/OFF	OFF	
Temperature Lock					ON/OFF	OFF		
Schedule Lock			ON/OFF	OFF				

Feature expansion specification

■ **How to set the Option & User mode**

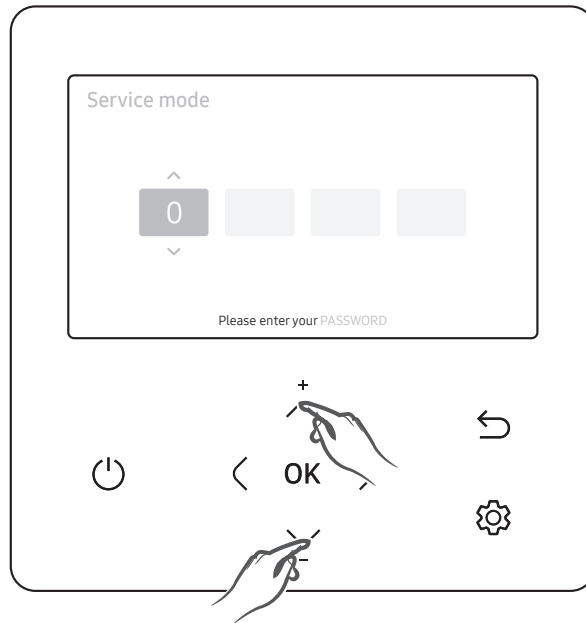
Step1	Step2	Step3	Step4	Step5	Description	Default	
UserMode	Wired remote controller	LED			ON/OFF	OFF	
		Button Mute			ON/OFF	OFF	
		Current Time	Date	Date Format		YYYY/MM/DD, DD/MM/YYYY, MM/DD/YYYY	DD/MM/YYYY
				Year/Month/Day		2000 to 2099/1 to 12/1 to 31	2019.01.01
		Time	Time Format		12-Hour/24-hour	12-Hour	
			Hour/Minute/AM/PM		0 to 12/0 to 60/AM.PM	PM12 Hour 00 Minute	
		Reset Remote Controller			-	-	
		Display Setting	Brightness			10 to 100%	100%
			Screen Saver	Timer		10 to 60 seconds	30sec
				Brightness			0, 10, 30, 50, 70%
	Smart Reset				-	-	
	Reset All User modes				-	-	
	Service Time Check	Service Call Number				Service call number entered for Service mode	-
		Last Inspection				Final control date entered for Service mode	



• When two wired remote controllers are connected, the brightness can be set within 10 to 50%.

Feature expansion specification

■ Wired remote control installation / service mode



1. If you want to use the various additional functions for your Wired Remote Controller, press the \wedge and \vee buttons at the same time for more than 3 seconds.
 - The password entry screen appears.
2. Enter the password, "0202," and then press the OK button.
 - The settings screen for installation/service mode appears.
3. See the list of additional functions for the Wired Remote Controller on the next page, and then select the desired menu.
 - Once you have entered the setting screen, the current setting appears.
 - Refer to the chart for data setting.
 - Using the \wedge , \vee buttons, change the settings and press the \rangle button to move to the next setting.
 - Press the OK button to save the new setting.
 - Press the \hookrightarrow button to move to the Home screen.



NOTE

- While setting the data, you can press the \hookrightarrow button to move to the Home screen after checking the saving status at a pop-up screen.

Feature expansion specification

■ Installation/Service mode



- Unavailable functions are marked inactive and they cannot be set.
- If communication initialization is needed after the setting, the system will reset automatically and communication will be initialized.

Step1	Step 2	Step 3	Description	Default	
Service Timer	Service Call Number		16-digit phone number Input: Blank, -, 0-9	-	
	Last Inspection		Year, Month, Day	-	
	Installation Data		Year, Month, Day	-	
Quiet Mode Automatic Time			Enable/Disable	Disable	
			Entry time to Exit time	PM 10:00 ~ AM 06:00	
Indoor Zone Option	Cool/Heat Selection		Cool & Heat/Heat only	Cool & Heat	
	Master/Slave Wired Remote		Master/Slave	Master	
	Zone Selection		Zone 1/Zone2	Zone 1	
	Standard Temperature		Water Outlet/Indoor	Water Outlet	
	Temperature Unit		Celsius(°C) : 1°C/0.5°C/0.1°C	0.5°C	
	Temperature Sensor Selection		Wired Remote Controller/External Temperature Sensor	Wired Remote Controller	
	Room Temperature Calibration	Reference Temperature		-9 to 40°C	-
		Calibration Value		-9 to 40°C	0°C
	Indoor Zone Status Information	Central :		ON/OFF	-
		Normal Power :		ON/OFF	-
		Mode :		Heat/Cool/Auto	-
		DHW Power :		ON/OFF	-
		DHW Mode :		Economic/Standard/Power/Forced	-
		Water Pump :		ON/OFF	-
		BSH :		ON/OFF	-
		BSH :		ON/OFF	-
		Flow sensor :		lpm	-
		Inverter Pump :		0%~100%	-
		EEV Step :		0~2000Step	-
		Thermostat 1 :		ON/OFF	-
Thermostat 2 :			ON/OFF	-	
DHW Thermostat :		ON/OFF	-		

Feature expansion specification

■ Installation/Service mode

Step1	Step 2	Step 3	Description	Default	
Connection Information	Number of Connection		0 to 16	-	
	View Master Indoor Unit		Address	-	
	Master Indoor Zone Information	Serial No. :		-	-
		Indoor Unit Eva In Temp.(Teva_in) :		Temperature	-
		Indoor Unit Eva Out Temp.(Teva_out) :		Temperature	-
		Indoor Unit PHE IN(Tw1) :		Temperature	-
		Indoor Unit PHE OUT(Tw2) :		Temperature	-
		DHW Tank Temp. (Tt) :		Temperature	-
DHW Mode :		Economic/Standard/Power/Forced	-		
Device Information	Micom Code :		Micom code	-	
	Program Version :		Modified date	-	
	Touch Code :		Touch IC code	-	
	Program Version :		Modified date	-	
	Graphic Image :		Graphic image code	-	
	Program Version :		Modified date	-	
Reset All Service Modes	Erase All Service mode data		-	-	
	Initialize a remote controller		-	-	
Power Master Reset ^{1)*}			-	-	
ODU K3 Reset			-	-	
Field Setting Value	10**		-	-	
	20**		-	-	
	30**		-	-	
	40**		-	-	
	50**		-	-	
	Simple Setting		-	-	
	FSC Upload/Download		-	-	

Feature expansion specification

■ Installation/Service mode

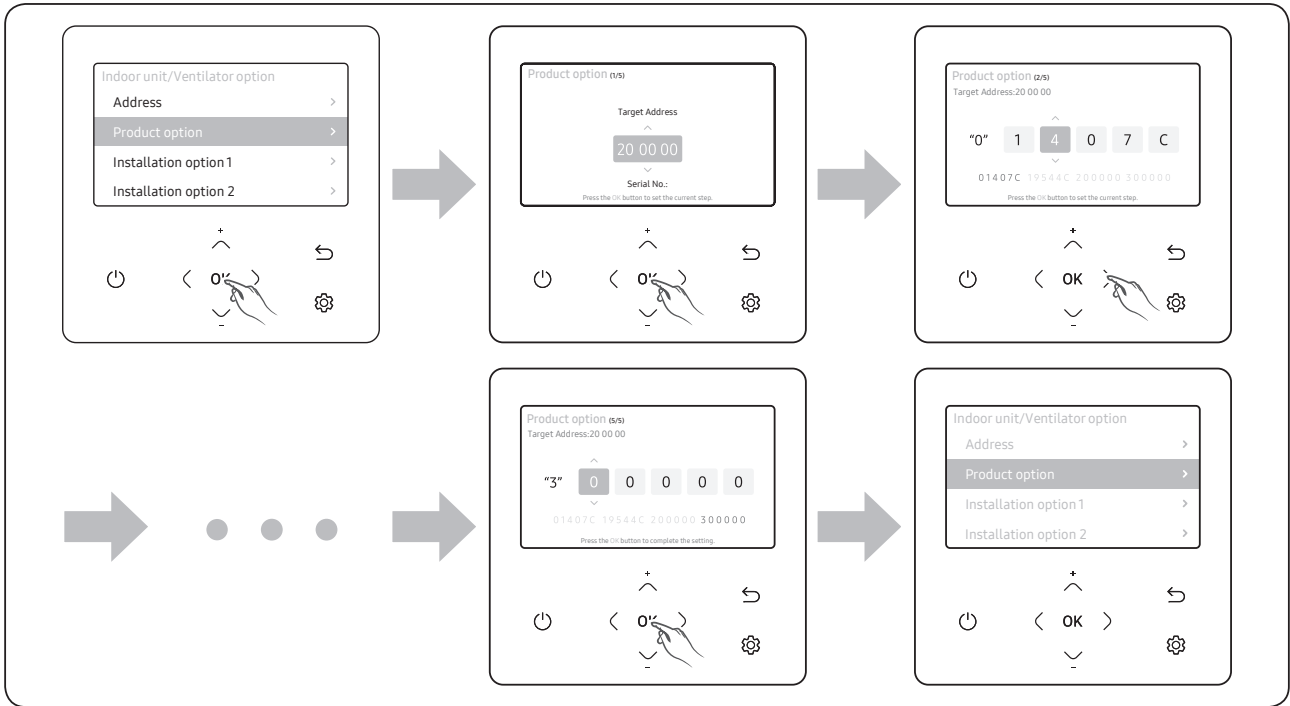
Step1	Step 2	Step 3	Description	Default
Self-Test Mode	Self-Test Mode Display	Water Inlet Temp. :	Temperature	-
		Water Outlet Temp.	Temperature	-
		Backup Heater Outlet Temp.	Temperature	-
		Mixing Valve Outlet Temp. :	Temperature	-
		Tank Temp. :	Temperature	-
		Indoor Ambient Temp.	Temperature	-
		Indoor Ambient Temp.(Zone 2) :	Temperature	-
		Water Outlet Temp. (Zone 1) :	Temperature	-
		Water Outlet Temp. (Zone 2) :	Temperature	-
		Thermostat #1 (Zone 1)	Heat/Cool	-
		Thermostat #2 (Zone 2) :	Heat/Cool	-
		Solar Panel	ON/OFF	-
	Water Pump		ON/OFF	OFF
	Booster Heater		ON/OFF	OFF
	DHW Valve (3Way Valve)		ON/OFF	OFF
	Zone 1 Valve		ON/OFF	OFF
	Backup Heater 1 + Water Pump		ON/OFF	OFF
	Backup Heater 2 + Water Pump		ON/OFF	OFF
	Backup Boiler		ON/OFF	OFF
	Zone 2 Valve		ON/OFF	OFF
Mixing Valve		ON/OFF	OFF	
Indoor Unit Option	Address	Main address	00 to 4F	-
		RMC address	00 to FE	-
	Product Option ^{2)*}		Refer to the installation manual of the connected indoor unit	-
	Installation Option 1 ^{2)*}			-
	Installation Option 2 ^{2)*}			-
	MCU Port	MCU address	00 to 15	-
MCU Port		A to F	-	

^{1)*} Power Master Reset is a setting needed to supply optimized power to wired remote controller when multiple indoor units are connected to wired remote controller in a group.

^{2)*} The total option codes are 24 digits. You can set six digits at a time and it is distinguished by page number. Press the OK button to move to the next page.

Feature expansion specification

■ Installation / service setting mode



NOTE • Address is displayed in hexadecimal. Please refer to the following table.

Hexadecimal	Decimal	Hexadecimal	Decimal	Hexadecimal	Decimal	Hexadecimal	Decimal	Hexadecimal	Decimal
00	0	10	16	20	32	30	48	40	64
01	1	11	17	21	33	31	49	41	65
02	2	12	18	22	34	32	50	42	66
03	3	13	19	23	35	33	51	43	67
04	4	14	20	24	36	34	52	44	68
05	5	15	21	25	37	35	53	45	69
06	6	16	22	26	38	36	54	46	70
07	7	17	23	27	39	37	55	47	71
08	8	18	24	28	40	38	56	48	72
09	9	19	25	29	41	39	57	49	73
0A	10	1A	26	2A	42	3A	58	4A	74
0B	11	1B	27	2B	43	3B	59	4B	75
0C	12	1C	28	2C	44	3C	60	4C	76
0D	13	1D	29	2D	45	3D	61	4D	77
0E	14	1E	30	2E	46	3E	62	4E	78
0F	15	1F	31	2F	47	3F	63	4F	79

Feature expansion specification

■ How to upload or download field settings (example)

1 Insert an SD card into the Sub PBA SD Card slot on the Hydro unit.

2 Select Field Setting Value in the Service mode.

3 Press the \wedge or \vee button to select FSV Upload/Download.



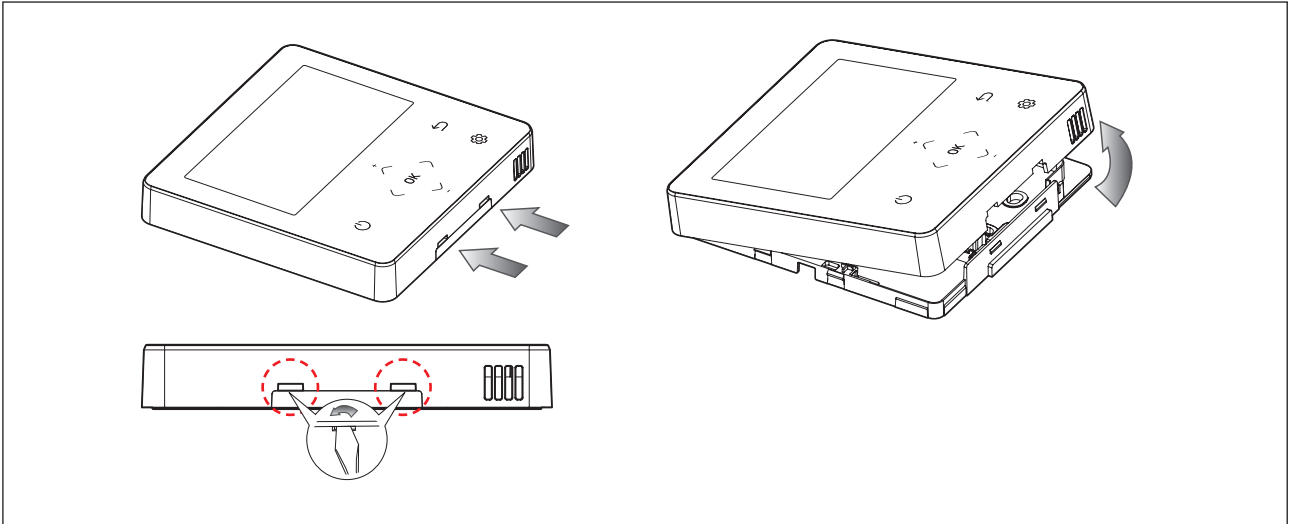
NOTE

- Upload: Uploads the FSV data of the Hydro unit to the SD card.
- Download: Downloads the FSV data of the SD card to the Hydro unit.
- The upper-level controllers excluding Wi-Fi kit (2.0) and MWR-WW10** wired remote controller cannot use the 2-zone control and energy monitoring.
- When connecting between the MWR-WW10** wired remote controller and an upper-level controller, the settings for FSV (4061) must be changed not to use the 2-zone control.

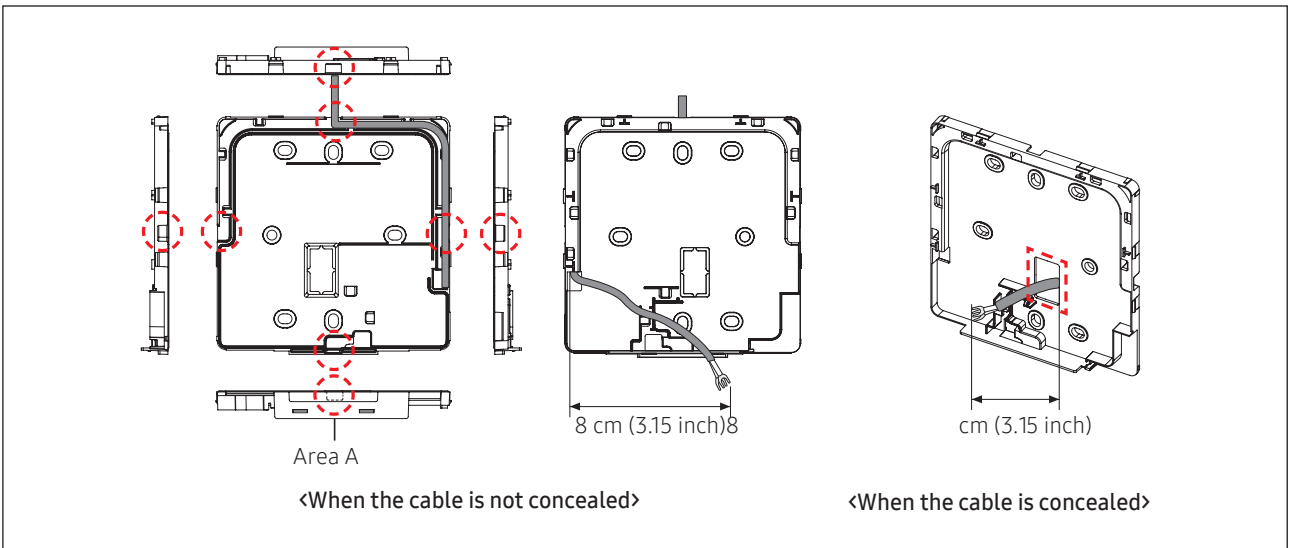
2-4. How to install

2-4-1. Wired remote control installation

1) Insert the flat-head screwdriver into two square grooves at the bottom of the Wired Remote Controller and rotate it to lift the front cover for removal from the rear cover.



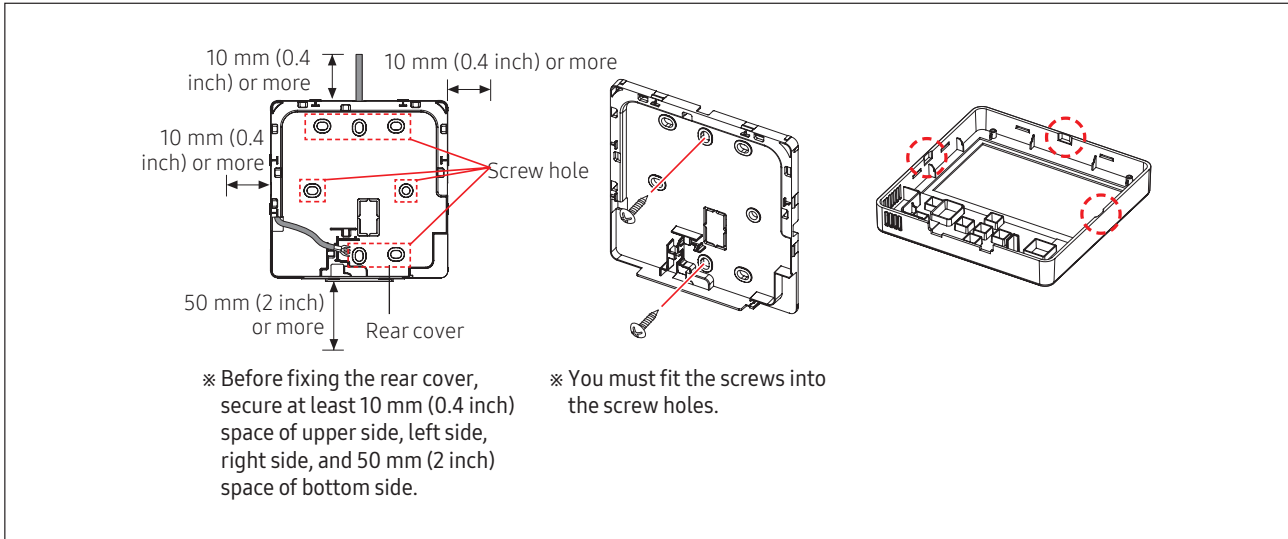
2) Arrange the power cable and the communication cable so that they fit in the housing along the edges of the rear cover.



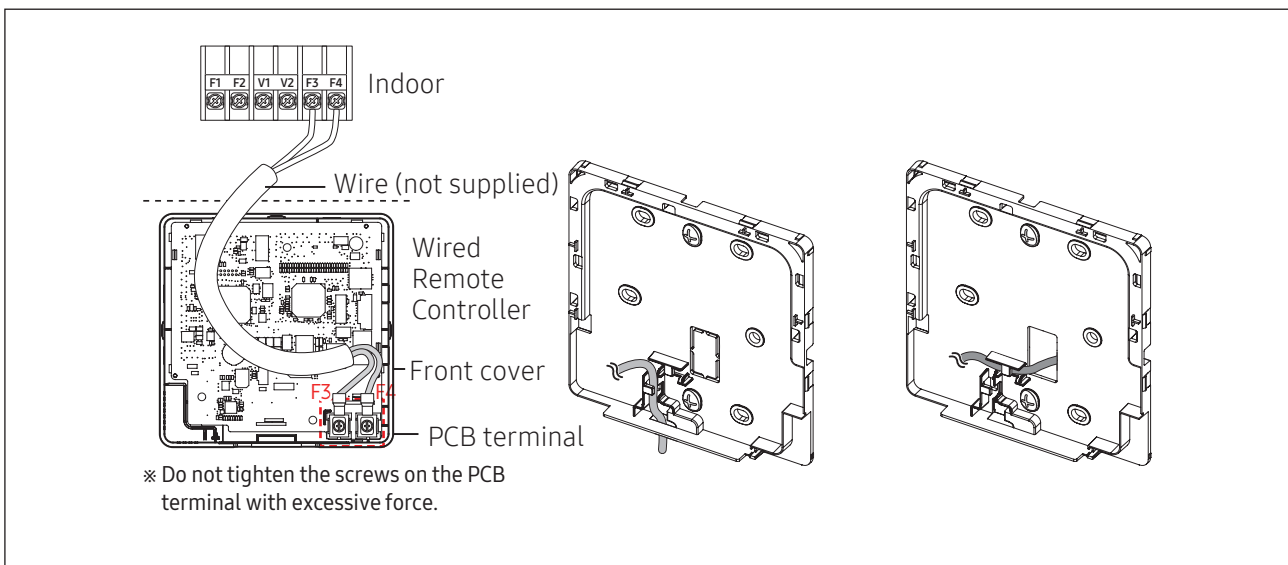
• When connecting the power and communication cables to the bottom of the Wired Remote Controller, first cut off the area A.

Wired remote controller installation

3) Using two or more screws, firmly affix the rear cover of the remote controller to the wall, and then cut off the grooves of the front covers for communication and power cables, making sure these cables have reasonable length.



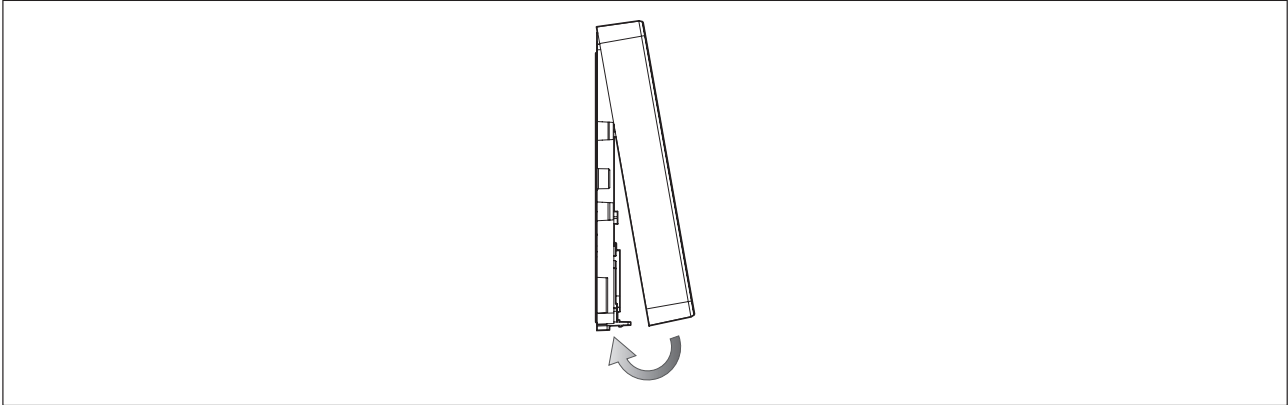
4) Connect the communication cables (F3, F4) to the terminals of the back of the front cover, and then fix the wires so that they do not get stuck during connection.



- When using an electric screwdriver, tighten the screws to the standard torque because the top of screws may be worn out if you use a strong torque.

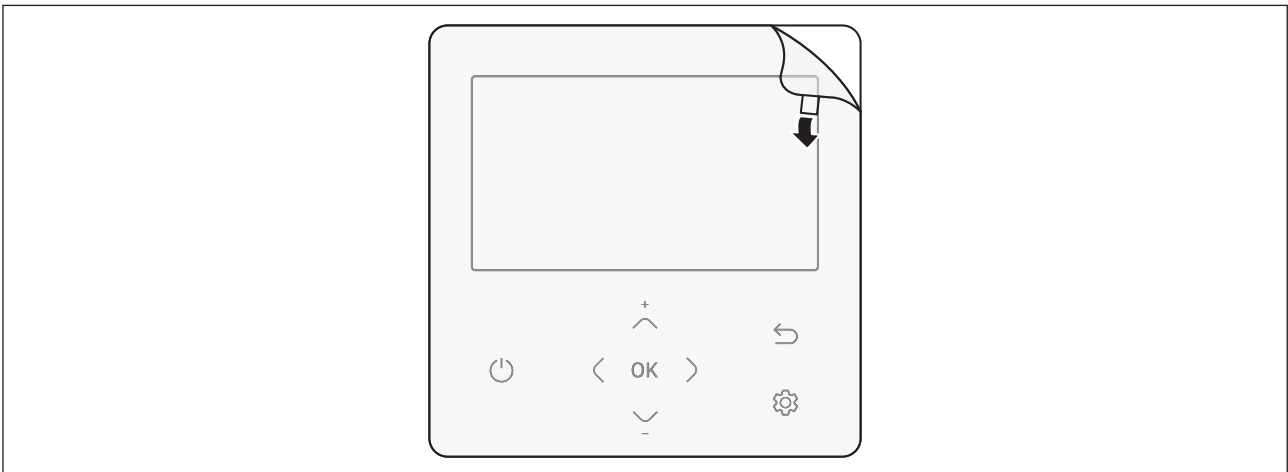
Wired remote controller installation

5) Reassemble the Wired Remote Controller.

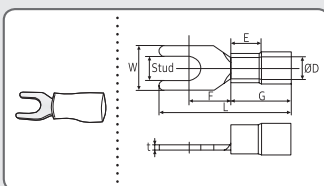


- Align the controller with the upper groove first, and then insert it by turning it downwards as shown in the figure. After assembly, check and confirm that no wires are stuck in the gap between the back and front covers.

6) Remove the front protective film.



- When installing a Wired Remote Controller by using a cable longer than 10 m (32.80 ft), you must install the communication cable and the power cable separately. (Electrical interference can cause the Wired Remote Controller to malfunction.)
- When installing your Wired Remote Controller on the wall, consider the size of the wire hole, and select a wire with a proper thickness.
- Wire that is connectable to Wired Remote Controller PCB.
 - If you install the Wired Remote Controller by reclaiming, install it according to U-terminal cable specification.
 - If you install the Wired Remote Controller by using two pieces of PVC wire, remove the 30 cm (12 inch) of the sheath of the cable and install it only with the two pieces of wires. (Recommended specification: AWG20) SOL.
- The following are the specs of the compression ring terminal connected to your Wired Remote Controller PCB.



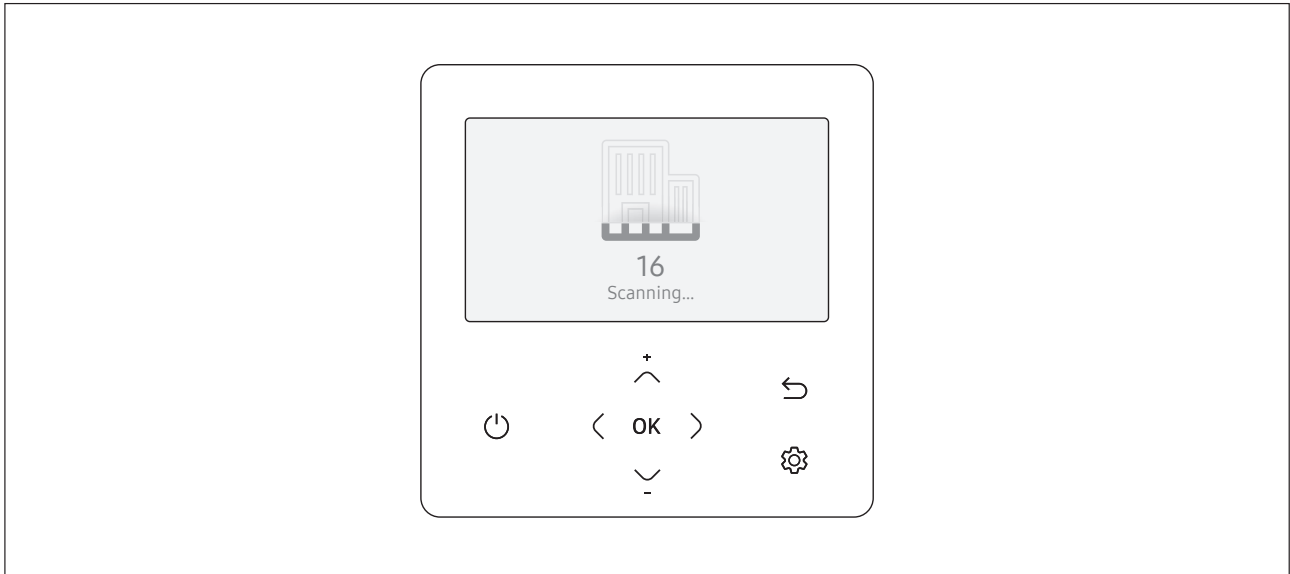
Range of Permitted Wires		Rated Size	Stud Size	Basic Size [mm (inch)]						
AWG	mm ² (inch ²)	mm ² (inch ²)	mm (inch)	t	ØD	G	E	F	W	L
22~16	0.25~1.65 (0.0003~0.0025)	1.5 (0.0023)	3 (0.1181)	0.7 (0.0275)	3.8 (0.1496)	10.0 (0.3937)	4.5 (0.1771)	6.5 (0.2559)	6.0 (0.2362)	21.2 (0.8346)

※ Maximum distance for connecting communication and power cable : 100 m (328 ft)

- Screws on the PCB terminal must be tightened with less than 6N-cm tightening torque. If the tightening torque is greater, it may damage the screw thread.

Wired remote controller installation

■ Indoor tracking in wired remote controller




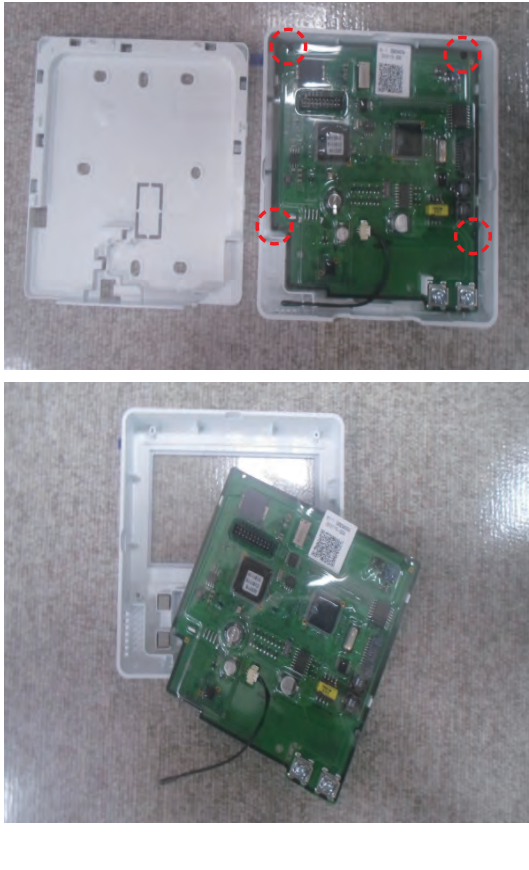
- 1 Tracking of your Wired Remote Controller will automatically start when you turn on the power after installation.
- 2 If you want to perform tracking again after installation, then press the < and ⚙ buttons at the same time for more than 5 seconds.
 - The system will reset, and tracking will start again.
- 3 During tracking, the total number of currently searched indoor units will be displayed.
- 4 It may take about 5 minutes at initial installation or when you re-set the Master setting.



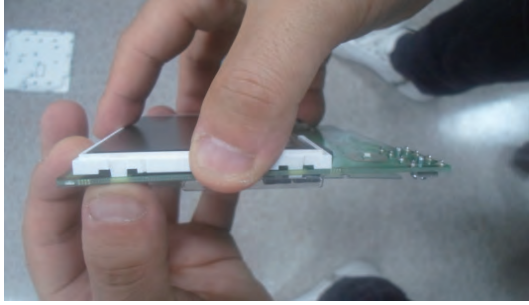
NOTE

- The operation displays on the remote controller may differ depending on the selected language.
- If you want to perform tracking again after installation, then press the < and ⚙ buttons at the same time for more than 5 seconds.

3. Disassembly and assembly

NO.	Photo	How to work
1		<p>1. Use the flat-blade screwdriver to slide the bottom two grooves into the product Push CASE TOP up and remove CASE BOTTOM.</p> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <p>WARNING</p> <ul style="list-style-type: none"> • When assembling, assemble the upper side first as shown and lower Assemble with hook. </div>
2		<p>2. Unscrew 4 SCREW assemblies on CASE TOP to separate PBA.</p>

Disassembly and assembly

NO.	Photo	How to work
3		3 Remove the HOLDER DISPLAY hook assembled with the PBA.
4		4 Remove the LCD connector to separate the PBA and the ASSY Display.

4. Troubleshooting

4-1. Things to check before diagnosis

4-1-1. Errors displayed on the Wired Remote Controller

Error codes for the Wired Remote Controller and the product connected to your Wired Remote Controller will be displayed in the LCD display.

■ Wired remote controller error codes

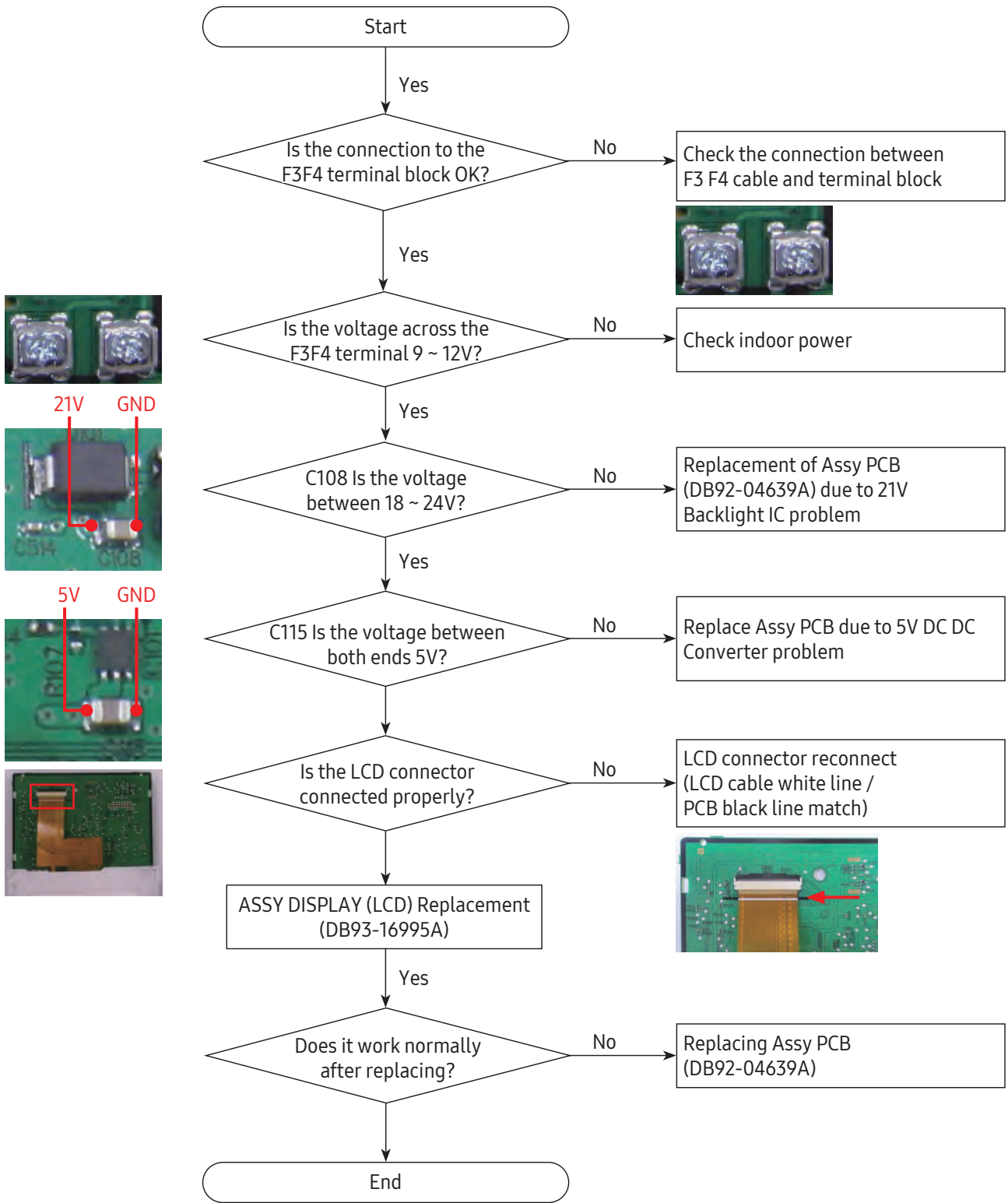
Indication	Description
601	Communication error between remote controller and the Hydro unit/Hydro unit HT
602	Communication error between master and slave remote controller
604	Tracking error between remote controller and the Hydro unit/Hydro unit H
618	Error due to exceeding maximum numbers of Hydro unit installation (16 units)
633	Error caused by installing mixed models
653	Remote controller's temperature sensor is disconnected or has problem
654	Data error on remote controller (Memory read/write error)



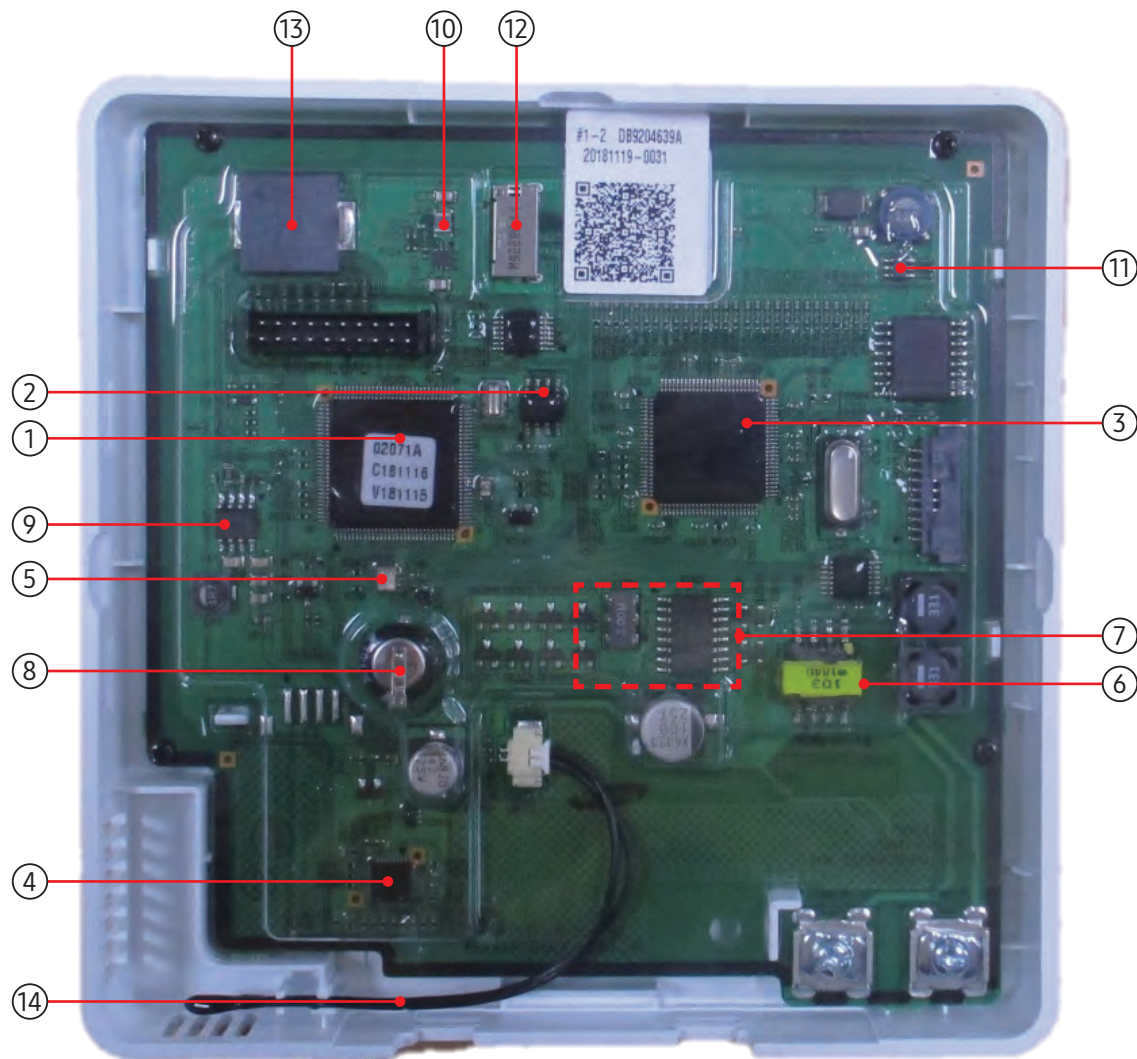
• For the error codes for your indoor/outdoor units and ventilator(ERV), refer to the installation manual of each device.

4-2. Action by symptom

4-2-1. When the LCD screen does not come out

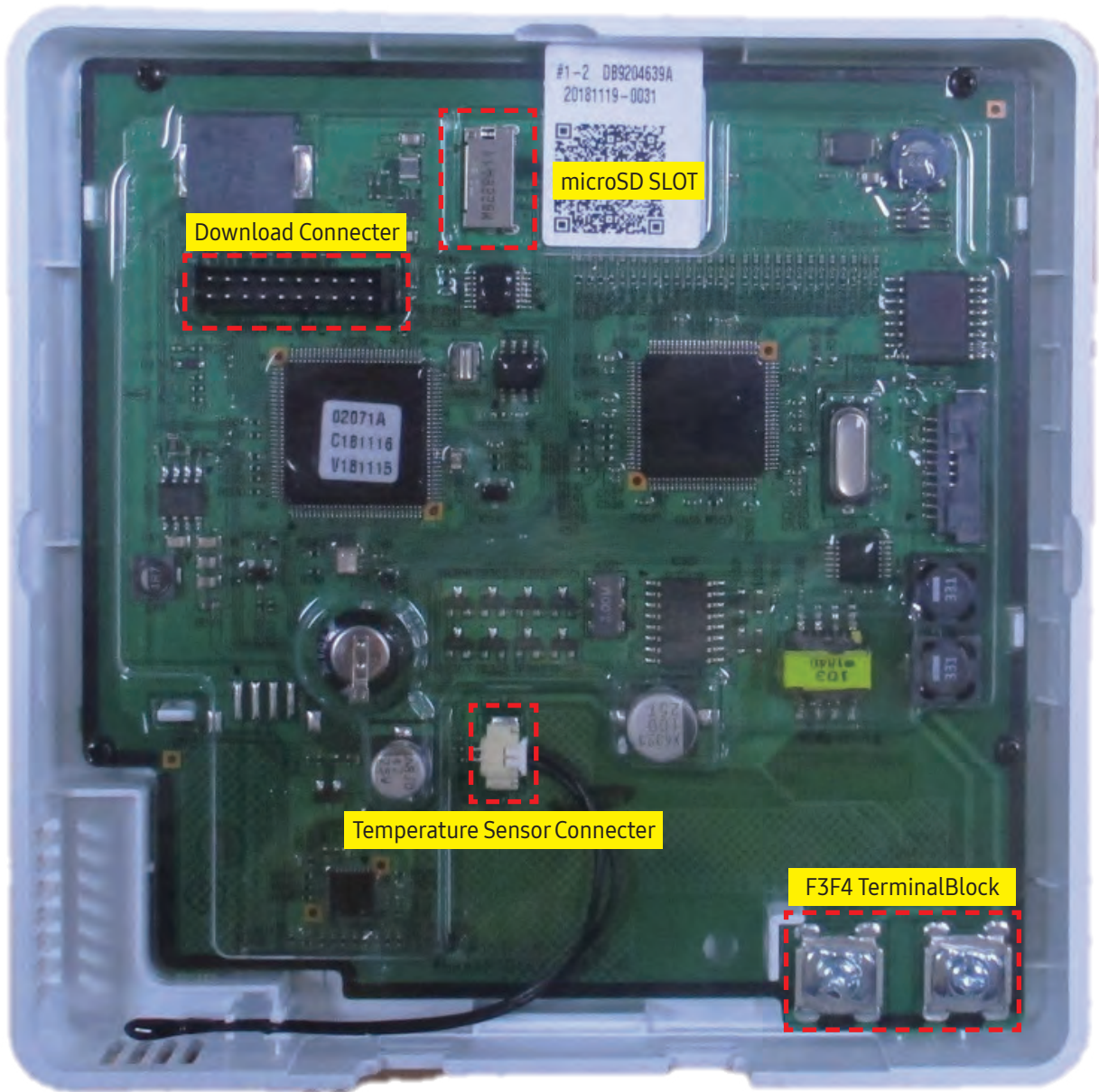


5. Parts layout



① MICOM MICOM (MB9BF416R)	② EEPROM MEMORY Processor	③ IMAGE IC Display image Processor	④ TOUCH IC TOUCH Processor
⑤ RTC IC Schedule, Time Processor	⑥ Transformer Communicator signal Processor	⑦ Communicator part Two Wired Communication Part	⑧ Super Capacitor Super capacitor for current time keeping
⑨ 5V Power 5V Power Supply part	⑩ 3.3V Power	⑪ Backlight Power	⑫ microSD SLOT
⑬ BUZZER	⑭ Temperature Sensor Temperature Sensor (DB95-04690A)		

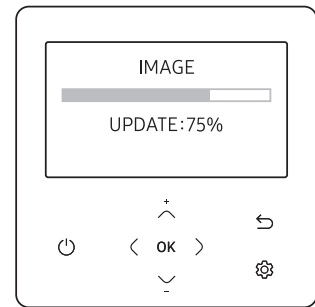
6. Wiring diagram



7. S/W Download

■ How to download to microSD Card

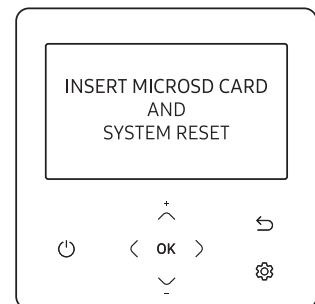
- 1 Download the wired remote controller image, change the file name to "IMAGE.BIN," and then download to microSD Card.
- 2 Download the wired remote controller program, change the file name to "MICOM.BIN," and then download to microSD Card.
- 3 Insert the microSD Card with the Wired Remote Controller active, and then reset the system.
For system reset, press the < and ⚙ buttons at the same time for more than 5 seconds.
- 4 The download to microSD Card is performed as follows :
 - Download proceeds in the order of IMAGE and MICOM.
 - When the update fails, the Wired Remote Controller is reset automatically and the update proceeds again.
- 5 When the download is finished, tracking starts automatically.
When tracking is completed, remove the microSD Card.



- Be sure to use the microSD Card after formatting in FAT16 or FAT32.
- The microSD Card supports the SD or SDHC with the capacity of 1 GB to 32 GB.
- The update is performed only when the file version in the microSD Card differs from the one of the Wired Remote Controller.
- When the screen is frozen for more than 3 minutes after completing the microSD card update by 100%, product inspection is required.
- Delete the files except for the ones for download.
(Only IMAGE.BIN and MICOM.BIN are required.)

■ When the microSD Card is removed during download

- 1 When you remove the microSD Card during download, the "INSERT MICROSD CARD AND SYSTEM RESET" screen appears and the download is stopped.
- 2 When you insert the microSD Card and press the < and ⚙ buttons for system reset, download starts again after finishing the reset.



NOTE

- When you reset the Wired Remote Controller while the microSD Card is removed, the above message appears on the screen in standby mode.
- When you reset the Wired Remote Controller while the microSD Card is removed and then inserted, the following actions are performed.
 - If the reinserted microSD Card contains all the files for update, update proceeds regardless of the version of the file.
 - If the reinserted microSD Card contains any missing files for update, the above message appears in standby mode.

SAMSUNG

GSPN (GLOBAL SERVICE PARTNER NETWORK)

Area	Web Site
Europe, CIS, Mideast & Africa	gspn1.samsungcspportal.com
Asia	gspn2.samsungcspportal.com
North & Latin America	gspn3.samsungcspportal.com
China	china.samsungportal.com

This Service Manual is a property of Samsung Electronics Co., Ltd.
Any unauthorized use of Manual can be punished under
applicable International and/or domestic law.

© Samsung Electronics Co., Ltd. November. 2020.
Printed in Korea.
Code No.AC-00245E_2