

Air Conditioner

Installation manual

Wired remote controller MWR-WE11N

- · Thank you for purchasing this Samsung Product.
- · Before operating this unit, please read this installation manual carefully and retain it for future refer-







This installation manual explains how to install a Wired Remote Controller connected to the indoor unit of your Trane system air conditioner.

Please read this manual thoroughly before installing the product.

(Please refer to appropriate installation for any optional product installation.)

MARNING	Hazards or unsafe practices that may result in severe personal injury or death.
A 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 with proper power supply.

Potential risk of fire or product damage.

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

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

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

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

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.

Do not move or reinstall the product on your discretion.

Potential risk of 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.

When you want to dispose your Wired Remote Controller, ask the service center.







♠ CAUTION

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

▶ Potential risk of fire and explosion.

Ensure no water gets into the Wired Remote Controller.

▶ Potential risk of electric shock or 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 handle the product with sharp objects.

▶ Potential risk of electric shock or product damage.

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

▶ Potential risk of product damage or malfunction.

Do not put undue stress on the power cable.

▶ Potential risk of broken cable and fire.

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 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.





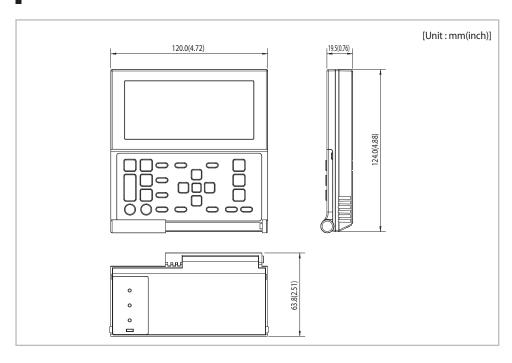
Optional accessories

Wired Remote Controller (1)	Cable Tie (2)	Cable Clamp(3)	M4X16 Screw (5)	User Manual (1)	Installation Manual (1)	U Terminal (6)
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- The Wired Remote Controller should be installed by an installation expert.
- Check and confirm the power is off before installing your Wired Remote Controller.
- Install the Wired Remote Controller cables in accordance with the electrical wiring rules, and allow it to pass through the inner area of the wall so that other people can't reach it.

External Dimensions



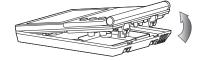






1. Push the two hooks at the bottom of your Wired Remote Controller at the same time, and then pull up the front cover to separate it from the rear cover.

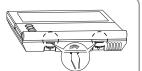




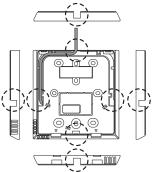
₩ Push the two hooks at the same time.



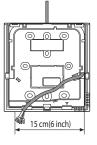
• Insert a flat head screwdriver into the square groove in the upper area of the hook to disassemble it easily.



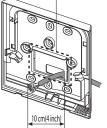
2. Arrange the power cable and the communication cable so that they fit in the housing along the edges of the rear cover.



<When the cable is not concealed>



If you need more space for the wiring work, you can take it off.



<When the cable is concealed>





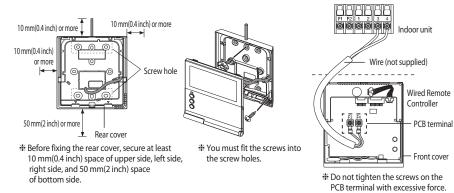


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Wired Remote Controller Installation

Wired Remote Controller Installation

Using more than two screws, firmly affix the rear cover of the remote controller to the wall, and then connect
the communication & power cable[(F3,F4) or (3, 4)], making sure these cables have reasonable length,
to the terminal at the back of the cover.



4. Reassemble your Wired Remote Controller.



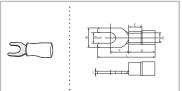
 Align the controller with the upper groove first, and insert it by turning it downward as shown in the figure.

After assembly, check and confirm that no wires are stuck in the gap between the rear and front cover.





- 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 your 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)
- The following are the specs of the compression ring terminal connected to your Wired Remote Controller PCB.



Range of Per	Rated Size	Stud Size	Basic Size [mm (inch)]							
AWG	mm² (inch²)	mm ² (inch ²)	mm (inch)	t	øD	G	Е	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)

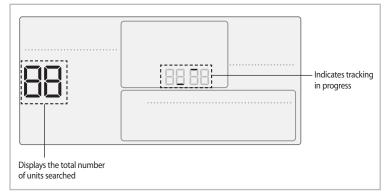
- ₩ Maximum distance for connecting communication and power cable: 100 m(3.280 ft)
- Screws on the PCB terminal must be tightened with less than 6N-cm tightening torque. If the tightening torque is
 greater, it may damage the screw thread.







Tracking Your Indoor Unit from the Wired Remote Controller



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



If you want to perform tracking again after installation, then press the **Delete** and **ESC** buttons at the same time for more than five seconds.

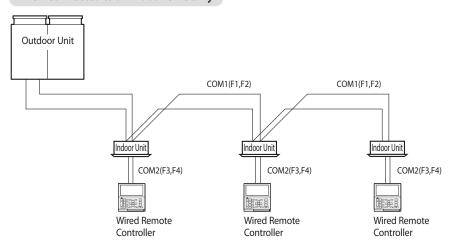




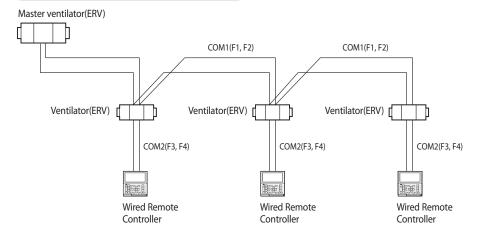
Individual Control with Your Wired Remote Controller

▶ Individual control means that you are using one remote controller to control one indoor unit or ventilator(ERV).

When Connected to an Indoor Unit Only



When Connected to an ventilator(ERV) Only





Regardless of the indoor group address (RMC address) or the ventilator (ERV) group address, only the indoor unit connected to COM2 is individually controlled.



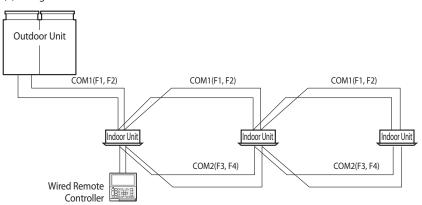


Group Control with Your Wired Remote Controller

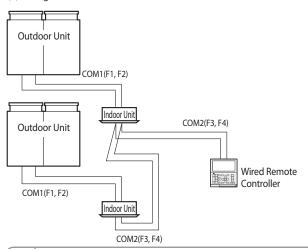
► Group control means that you are using one Wired Remote Controller to control two or more indoor units and ventilator(ERV) at the same time.

When Connected to an Indoor Unit Only

(1) Using One Wired Remote Controller to control three indoor Units



(2) Using One Wired Remote Controller to control indoor units connected to different outdoor unit





- Regardless of the indoor unit's group address (RMC address), only the indoor units connected to COM2 are controlled in group.
- Regardless of your outdoor units, you can control a maximum of 16 indoor units as a group.
- Address of each outdoor units must be set differently when group control indoor units connected to the other outdoor unit.

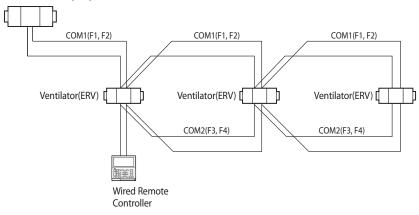




When Connected to an ventilator(ERV) Only

(1) Using One Wired Remote Controller to Control Three ventilator(ERV)

Master ventilator(ERV)







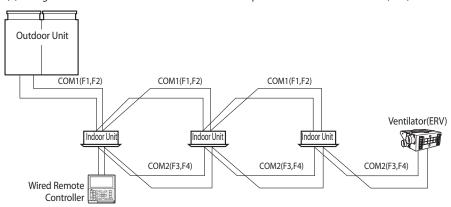
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Regardless of the ventilator(ERV)'s group address (RMC address), only the ventilator(ERV) connected to COM2 controlled in group.

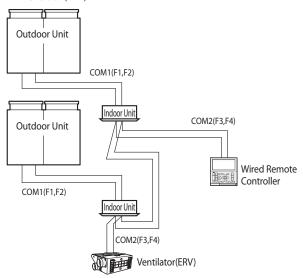


When Connected to an Indoor Unit and an ventilator(ERV) together

(1) Using One Wired Remote Controller to control multiple indoor units and ventilator(ERV)



(2) Using One Wired Remote Controller to control indoor units connected to different outdoor unit and ventilator(ERV)





- Regardless of the indoor unit's group address (RMC address), only the indoor units and ventilator (ERV) connected to COM2 are controlled in group.
- When controlling indoor units and ventilator(ERV) together in group, you can control maximum of 16 indoor units and ventilator(ERV).
- If you want to use the power saving function, you have to connect Wired Remote Controller to only one indoor
 unit and one ventilator(ERV).

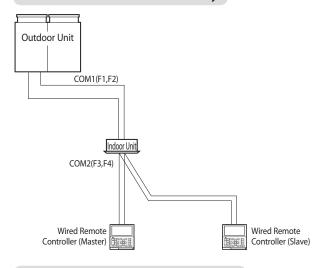




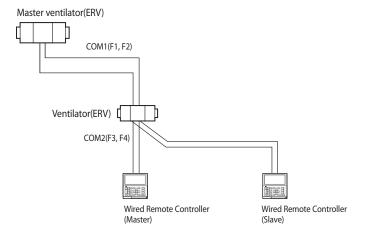
Controlling 2-Remote controller

▶ 2-Remote controller is controlling one indoor unit, ventilator(ERV) or one group of indoor units and ventilator(ERV) with two remote controllers.

When Connected to an Indoor Unit Only



When Connected to an ventilator(ERV) Only





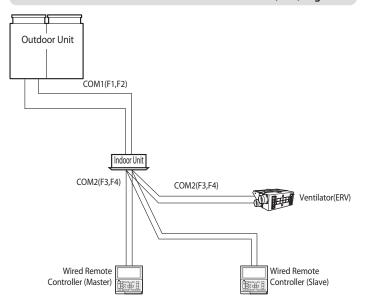
 For the slave Wired Remote Controller settings, please refer to the sections about the additional functions of the Wired Remote Controller. (Refer to page 19)

0: Master, 1: Slave

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When Connected to an Indoor Unit and an ventilator(ERV) Together





- $\bullet \ \ \text{Regardless of the indoor unit group address (RMC address), only the indoor units connected to COM2 are}$ controlled by 2-remote controller.
- For the slave Wired Remote Controller settings, please refer to the sections about the additional functions of the Wired Remote Controller. (Refer to page 19) 0: Master, 1: Slave



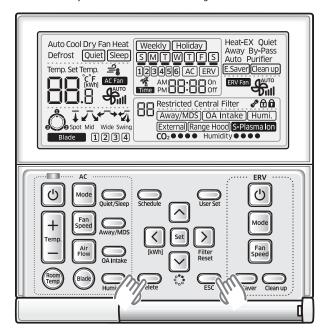




Initializing Your Wired Remote Controller Communication

Wired remote controller must be initialized if installation status changes.

- Changing number of ventilator (ERV)/indoor unit or their address
- 1. Press the **Delete** and **ESC** buttons at the same time for more than five seconds.
 - ➤ Your Wired Remote Controller will be initialized, and the device will search for the indoor units/ventilator(ERV) connected to your Wired Remote Controller again.









Errors Displayed on Your 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.



LCD Display

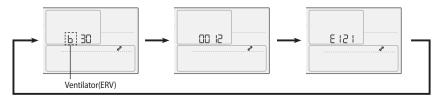
When an Error Occurs in Your Indoor/Outdoor Units (Product Group Display: A)

► The product address for the error will be displayed, followed by the error code. Example: Error 101 occurs for Indoor Unit No. 200012.



When an Error Occurs in Your Ventilator(ERV) (Product Group Display: B)

► The product address for the error will be displayed, followed by the error code. Example: Error 121 has occurred at ventilator(ERV) No. 300012.



When an Error Occurs in Your Wired Remote Controller

Only an error code will be displayed. (No address will be displayed.) Example: Error 601 has occurred at your Wired Remote Controller.







Wired Remote Controller Error Codes

Display	Description
60 t	Communication error between wired remote controller and indoor/ERV units after successful communication.
503	No communication between Master(Main) and Slave(Sub) wired remote controllers.
604	When tracking between wired remote controller and indoor unit/ventilator (ERV) is not complete for more than 3 minutes (Including communication error between indoor units and outdoor units)
- 6	Over 16 indoor/ERV indoor units installed.
527	Two or more wired remote controllers set as Slave(SUB).
653	Temperature sensor Open/Short error.
- 654	EEPROM error

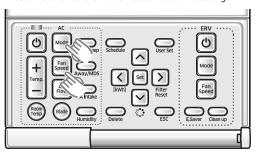


• For the error codes for your indoor/outdoor units and ventilator(ERV), refer to the installation manual of each device



[Setting/Cancelling the Mode master indoor unit]

- Mode master indoor unit setting is simply selecting an indoor unit that will become standard among many indoor units to prevent mixed operation (which one or more indoor units operating in different operation mode).
- Setting: Connect just 1 indoor unit and stop the operation. Then press and hold the **Mode** button for 5 seconds to set the indoor unit as 'Mode master indoor unit'
- Cancelling: Connect just 1 indoor unit and stop the operation. Then press and hold the **Fan speed** button for 5 seconds to cancel the 'Mode master indoor unit' setting.



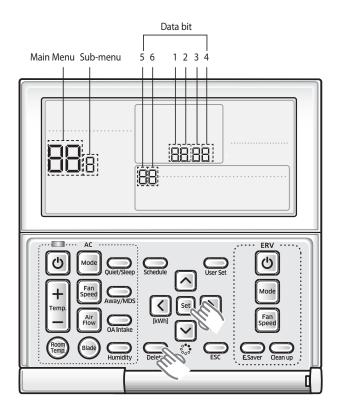






Wired Remote Controller Installation/Service Mode

Additional Functions of Your Wired Remote Controller



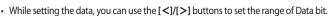




Wired Remote Controller Installation/Service Mode

- If you want to use the various additional functions for your Wired Remote Controller, press the **Delete** and Set buttons at the same time for more than three seconds.
 - ▶ You will enter the additional function settings, and the [main menu] will be displayed.
- 2. Refer to the list of additional functions for your Wired Remote Controller on the next page, and select the desired
 - ▶ Using the [∧]/[V] buttons, select a main menu number and press the [>] button to enter the sub-menu setting screen.
 - ▶ Using the [∧]/[V] buttons, select a sub-menu number and press the [>] button to enter data setting screen.
 - ▶ When you enter the setting stage, the current setting will be displayed.
 - ▶ Refer to the chart for data settings.
 - ▶ Using the $[\Lambda]/[V]$ buttons, select the settings. Press the [>] button to move to the next setting.
 - ▶ Press the **Set** button to save the settings and exit to the sub-menu setting screen.
 - ▶ Press the **ESC** button to exit to normal mode.





 While configuring the setting, press the ESC button to exit to the setting sub-menu without saving your changes.









Additional Functions of Your Wired Remote Controller



- 'NONE' will be displayed if the indoor unit does not support the function.
 In some cases, the setting may not possible or it may be not applied though it is set on the unit.
- If communication initialization is needed after the setting, the system will reset automatically and communication will be initialized.

		Fund	ction	Data bit	Factory setting	Description	Unit
Main menu			Cooling/Heating selection	1	0	0 – Cooling/Heating, 1 – Cooling only	-
	1	Wireless remote controller	Use of wireless remote controller	2	1	0 – No use, 1 - Use	-
menu n	1	Option setting/checking (1)	MAIN/SUB wired remote controller	3	0	0 –MAIN, 1- SUB	-
			Temperature unit	4	0	0 – Celcius(°C), 1 – Fahrenheit(°F)	-
			Temperature sensor selection	1	0	0 – Indoor unit, 1 – Wired remote controller	-
			Use of average temperature	2	0	0 – No use, 1 - Use	-
		Wireless remote controller Option setting/checking (2)	Use of Auto mode	3	1	0 – No use, 1 - Use	-
	2		Temperature display	4	0	0 – Set temperature, 1 - Room temperature	-
_			AC On/Off button function	5	1	0 – Indoor unit + ERV, 1 – Indoor unit only, 2 – ERV only,	-
			Lock of Blade1	1	0	0 – Unlock, 1 – lock	-
1 2 -	3	Blade	Lock of Blade2	2	0	0 – Unlock, 1 – lock	-
	3	setting/checking	Lock of Blade3	3	0	0 – Unlock, 1 – lock	-
			Lock of Blade4	4	0	0 – Unlock, 1 – lock	-
			Use of By-Pass mode	1	0	0 – No use, 1 - Use	-
	4	ERV option Setting/checking	Use of Auto mode	2	0	0 – No use, 1 - Use	-
	4		Use of air purification mode	3	0	0 – No use, 1 - Use	-
			Use of external control	4	0	0 – No use, 1 - Use	-
	5	Room Temperature	Temperature control reference	1,2,3	0	-9 ~ 40 °C(15~104 °F)	0.1 °C
)	compensation	Temperature compensation value	4,5,6	0	-9.9∼9.9℃	0.1 °C
	6	Number of connected units	Number of indoor units	1,2	-	0~16	-
	0	Number of connected units	Number of ERVs	3,4	-	0~16	-
	7	Desired temperature incre	ement/decrement (°C only)	1	0	0-1 °C, 1-0.5 °C, 2-0.1 °C	-
	8	Set/Check ERV Energy saving operation	Select individual Energy saving operation	1	0	0-ON/OFF alternating operation, 1-Outdoor air cooling operation for different temperature setting	-
1		орегация	Minimum temperature of outdoor air cooling	3,4	15	5 ~ 15 °C (41~59 °F)	°C
	0	Factory op	tion setting	1	0	0 – Unchanged 1 – Factory setting	-
2	1	Softwa	re code	1~6	-	Software code	-
	2	Software	e version	1~6	-	Software version	-





Wired Remote Controller Installation/Service Mode

Heating temperature compensation EEV stop step in heating 5 - 0-1/80 steps, 1-80 EEV stop step in heating 5 - 0-1/80 steps, 1-80 Setting/Checking the address 34 - MAIN address (00H-4FH) 56 - Group address (00H-4FH) 5	Main menu	Sub menu	Fund	ction	Data bit	Factory setting	Description	Unit
3		1	Indoor unit roo	m temperature	1,2,3	-	Room temperature	°C
1		2	Indoor unit EVA	IN temperature	1,2,3	-	EVA IN temperature	°C
Setting/Checking the installation option 1 0 - No use, 1-Use Use of drain pump 2 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 3 - 0 - No use, 1-Use Use of floritic heater 1)* - 0 - No use, 1-Use Use of floritic heater 1)* - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of floritic heater 10 - 0 - No use, 1-Use Use of heating heater of heating heater 12 - 13-25°C (54-86°F) Use of floritic heater 12 - 15-30°C (59-86°F) Use		3	Indoor unit EVA (OUT temperature	1,2,3	-	EVA OUT temperature	°C
Setting/Checking the discharge temperature of the indoor unit Setting/Checking the installation option 1 Setting/Checking the measure control 1 Setting/Checking the measure compensation 2 O-No use, 1-Use Setting/Checking the address 3 O-2000 hours, 1-1000 hou Heating temperature compensation 4 O-2°C, 1-5°C Setting/Checking the address 3 O-2000 hours, 1-1000 hou Heating temperature compensation 4 O-2°C, 1-5°C Setting/Checking the address 3 O-2000 hours, 1-1000 hou Heating temperature 12 MAIN address (00H-4FH) Setting/Checking the product option 1)* Setting/Checking the product option 1)* Setting/Checking the installation option 1)* Setting/Checking 10 Set	ĺ	4	Indoor un	it EEV step	1,2,3	-	EEV step	-
Use of electric heater 3	ĺ			Use of central control	1	-	0 – No use, 1 - Use	-
See of electric heater 3		_	1. 1	Use of drain pump	2	-	0 – No use, 1 - Use	-
Use of hot water coil 4 - 0-No use, 1-Use Use of RPM compensation 2 - 0-No use, 1-Use Indoor unit option checking (2) Filter time 3 - 0-2000 hours, 1-1000 hou Heating temperature compensation 4 - 0-2°°C, 1-5°°C EEV stop step in heating 5 - 0-1/80 steps, 1-80 MAIN address (00H-4FH) Setting/Checking the address 34 - MAIN address (00H-4FH) Option setting 2)* Indoor unit/Ventilator (ERV) option setting 2)* Setting/Checking the product option Setting/Checking the product option 1	,	5	indoor unit option checking (1)	Use of electric heater	3	-	0 – No use, 1 - Use	-
Use of RPM compensation 2 - 0 - No use, 1 - Use Filter time 3 - 0 - 2000 hours, 1 - 1000 hou Heating temperature compensation 4 - 0 - 0 - 2 \(\text{C}_1 \) Setting/Checking the address Setting/Checking the address Setting/Checking the address Setting/Checking the product option Setting/Checking the installation option 1)* - Setting/Checking the discharge temperature 10* - Setting/Checking 1 - Setting/Checking the discharge temperature 10* - Setting/Checking 10* - Setting/	3			Use of hot water coil	4	-	0 – No use, 1 - Use	-
Filter time				Use of external control	1	-	0 – No use, 1 - Use	-
Heating temperature compensation EEV stop step in heating 5 - 0-1/80 steps, 1-80 EEV stop step in heating 5 - 0-1/80 steps, 1-80 Setting/Checking the address 34 - MAIN address (00H-4FH) 56 - Group address (00H-4FH) 5				Use of RPM compensation	2	-	0 – No use, 1 - Use	-
Heating temperature compensation to the connected indoor unit ventilator (ERV) option setting 2)* 1		6	Indoor unit antion chacking (2)	Filter time	3	-	0 – 2000 hours, 1 – 1000 hours	-
Compensation SetVing/Checking the heating SetTing/Checking the heating SetTing/Checking the product option SetTing/Checking the product option SetTing/Checking the installation option SetTing/Checking SetTing		0	indoor unit option checking (2)	Heating temperature	4		0.3°C 1.5°C	l .
1				compensation	4	-	0-2 C, 1-3 C	_
Setting/Checking the address Setting/Checking the product option 1)* 56 56 56 56 56 56 56 5				EEV stop step in heating	5	-	0 – 1/80 steps, 1 – 80	-
Setting/Checking the product option 1)*					12	-	MAIN address (00H~4FH)	-
2		1		Setting/Checking the address	34	-	MAIN address (00H~4FH)	-
2 Indoor Unit/Verificator (ErV) option setting 2)* Option setting 2)* Option setting 2)* Option setting 2)* Setting/Checking the installation option 1 1)* - OFTION Setting/Checking the installation option 2 1)* OFTION Setting/Checking the installation option 2 1)* OFTION Setting/Checking the installation option 2 1)* OFTION Setting/Checking OFTION					56	-	Group address (00H~FEH)	-
Setting/Checking the installation option 1 Setting/Checking the installation option 2 Installation option 1 Setting/Checking the installation option 2 Installation openature 4 Installation openature 4	4	2			1)*	-		-
Setting/Checking the installation option 2		3	option setting 2)		1)*	-	of the connected indoor unit/	-
Humidity setting/checking Humidity setting/checking G O - 30, 1 - 40, 2 - 50		4			1)*	-	ventilator (ERV)	-
Setting/Checking the discharge temperature of the indoor unit Use of discharge temperature control temperature of the indoor unit Cooling discharge temperature 3,4 - 8-25°C (46-77°F) Heating discharge temperature 1,2 - 13-25°C (55.4-77°F) Heating discharge temperature 1,2 - 13-25°C (55.4-77°F) Heating discharge temperature 3,4 - 18-30°C (64-86°F) Use of cold air prevention 1 - 0 - No use, 1 - Use Heating discharge temperature 1,2 - 13-25°C (55.4-77°F) Use of cold air prevention 1 - 0 - No use, 1 - Use Heating discharge temperature 2 - 0 - No use, 1 - Use Use of humidification when Heating thermo off Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when Heating 3,4 - 15-30°C (59-86°F) Use of humidification when				RPM setting/checking	3,4	-	0~31 steps	1 step
Setting/Checking the discharge temperature of the indoor unit Setting/Checking the discharge temperature of the indoor unit	5	1	Mini AHU setting/checking		_	-	<u> </u>	- '
temperature of the indoor unit Cooling discharge temperature 3,4 - 8~25°C (46~77°F) Heating discharge temperature 5,6 - 18~43°C (64~109°F) Fresh Duct discharge temperature 1,2 - 13~25°C (55.4~77°F) Heating discharge temperature 1,2 - 13~25°C (55.4~77°F) Heating discharge temperature 3,4 - 18~30°C (64~86°F) Use of cold air prevention 1 - 0 - No use, 1 - Use Use of humidification when 2 - 0 - No use, 1 - Use Use of fan operation in Defrost 3 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 3,4 - 15~30°C (59~86°F) Setting/checking Heating 3,4 - 15~30°C (59~86°F) Setting/checking Set temperature 1,2 - 15~30°C (59~86°F) Setting/checking the compensating temperature A under the Heating 1,2 - 15~30°C (41~59°F) Setting/checking the compensating temperature A under the Heating 2 - 0 - Non use of humidifier (0°C/32°F) Checking the compensating temperature B under the Heating 3 - 0 - Non use of humidifier (10°C/50° Setting/checking Air supply RPM 1,2 - 0 - Non use of humidifier (10°C/50° Air supply RPM 1,2 - 10~27 steps Setting/checking Air supply RPM 1,2 - 10~27 steps 1 View master setting/checking ERV unit View master setting/checking Checking ERV unit View master setting/checking Checking ERV unit View master setting/checking Checking Checking			Setting/Checking the discharge		1	-	0 – No use, 1 - Use	-
Heating discharge temperature 5,6 - 18~43 °C (64~109 °F)	5	2		<u> </u>	3.4	-	8~25 °C (46~77 °F)	1°C
Fresh Duct discharge temperature 1,2 - 13~25 °C (55.4~77 °F) Heating discharge temperature 3,4 - 18~30 °C (64~86 °F) Use of cold air prevention 1 - 0 - No use, 1 - Use Use of humidification when Heating thermo off Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 3,4 - 15~30 °C (59~86 °F) ERV Plus temperature Cooling 1,2 - 15~30 °C (59~86 °F) Setting/checking Set temperature 1,2 - 15~30 °C (59~86 °F) Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus Checking the compensating temperature B under the Heating EEV control for ERV Plus The checking 4 - 0 - No use of humidifier (0 °C/32 °F) 1 - Use humidifier (10 °C/50 °C (41~50 °F) 1 - Use humidifier (10 °C/50 °C (41~50 °F) 1 - Use humidifier (10 °C/50 °C (41~50 °F) 2 - 10~27 steps Indoor unit View master setting / Checking ERV unit View master setting / Checking Checking Checking ERV unit View master setting / Checking C		1		-	-		1°C	
temperature checking Heating discharge temperature 3,4 - 18~30°C (64~86°F) Use of cold air prevention 1 - 0 - No use, 1 - Use Use of humidification when Heating thermo off Use of fan operation in Defrost 3 - 0 - No use, 1 - Use ERV Plus temperature Use of humidification when Heating 4 - 0 - No use, 1 - Use ERV Plus temperature Cooling 1,2 - 15~30°C (59~86°F) Setting/checking Heating 3,4 - 15~30°C (59~86°F) ERV Plus Auto mode Set temperature 1,2 - 15~30°C (59~86°F) Setting/checking Set temperature 2 1,2 - 15~30°C (59~86°F) Setting/checking the compensating temperature difference 3,4 - 5~15°C (41~59°F) Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus Checking the compensating temperature B under the Heating EEV control for ERV Plus ERV Plus fan RPM setting/ Air supply RPM 1,2 - 10~27 steps Air exhaustion RPM 3,4 - 10~27 steps 1 View master setting/checking (F3F4 line Indoor unit View master setting/ checking		_	Fresh Duct discharge	3 3 1		-	, ,	1 °C
Use of cold air prevention 1 - 0 - No use, 1 - Use Use of humidification when Heating thermo off Use of fan operation in Defrost 3 - 0 - No use, 1 - Use Use of humidification when Heating thermo off Use of humidification when Heating 4 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 15 - 30 °C (59 - 86 °F) Use of humidification when Heating 3,4 - 15 - 30 °C (59 - 86 °F) Heating 3,4 - 15 - 30 °C (59 - 86 °F) Set temperature setting/checking Set temperature 1,2 - 15 - 30 °C (59 - 86 °F) Set temperature difference 3,4 - 5 - 15 °C (41 - 59 °F) Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus 1,2 - 0 - 10 °C CO-10 °C CO-		3			-	-		1 °C
Light of humidification when Heating thermooff 2					1	-		-
Use of fan operation in Defrost 3 - 0 - No use, 1 - Use Use of humidification when Heating 4 - 0 - No use, 1 - Use 2 ERV Plus temperature Setting/checking Heating 3,4 - 15-30 °C (59-86 °F) 3 ERV Plus Auto mode Set temperature 1,2 - 15-30 °C (59-86 °F) Setting/checking Set temperature 1,2 - 15-30 °C (59-86 °F) Setting/checking the compensating temperature difference 3,4 - 5-15 °C (41~59 °F) Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus 4 Checking the compensating temperature B under the Heating EEV control for ERV Plus 5 ERV Plus fan RPM setting/ Checking Air supply RPM 1,2 - 10-27 steps 1 View master setting/checking Checking Checking ERV unit View master setting/ Checking Checki		1	ERV Plus setting/checking	Use of humidification when	2	- 0 - No use, 1 - Use - 0 - 2°C, 1-5°C - 0 - 1/80 steps, 1 - 80 - MAIN address (00H~4FH) - MAIN address (00H~4FH) - Group address (00H~FEH) - Group address (00H~FEH) - O - 31 steps - 0 - 30, 1 - 40, 2 - 50 - 0 - No use, 1 - Use - 8 - 25°C (46~77°F) - 18~43°C (64~86°F) - 0 - No use, 1 - Use - 15~30°C (59~86°F) - 15~30°C (59~86°F) - 5~15°C (41~59°F) - 0 - 10°C - 0 - Non use of humidifier - (0°C/32°F) - 1 - Use humidifier(10°C/50°F) - 10~27 steps - address - address - address	-	
Use of humidification when Heating 4 - 0 - No use, 1 - Use 2 ERV Plus temperature setting/checking Heating 3,4 - 15~30 °C (59~86 °F) 3 ERV Plus Auto mode Set temperature 1,2 - 15~30 °C (59~86 °F) Setting/checking temperature 1,2 - 15~30 °C (59~86 °F) Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus 4 Checking the compensating temperature B under the Heating EEV control for ERV Plus 5 ERV Plus fan RPM setting/ checking Air supply RPM 1,2 - 10~27 steps 1 View master setting/checking Checking ERV unit View master setting/ checking Check			J		3	-	0 – No use, 1 - Use	-
2 setting/checking Heating 3,4 - 15~30 °C (59~86 °F) 3 ERV Plus Auto mode Set temperature 1,2 - 15~30 °C (59~86 °F) 4 Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus 5 ERV Plus fan RPM setting/ Checking Air supply RPM 1,2 - 10~27 steps 1 View master setting/checking CF3F4 line Indoor unit Mode master indoor unit Mode master indoor unit 1 Set temperature 1,2 - 15~30 °C (59~86 °F) 2 Set temperature 3,4 - 5~15 °C (41~59 °F) 1 O~10 °C 1,2 - 0~10 °C 0 – Non use of humidifier (10 °C/32 °F) 1 – Use humidifier (10 °C/50 °C) 1 – Use humidifier (10 °C/50 °C) Air supply RPM 1,2 - 10~27 steps 1 View master setting/ checking CF3F4 line Indoor unit View master setting/ checking 2 Mode master indoor unit Mode master indoor unit Mode master indoor unit				·	4	-	0 – No use, 1 - Use	-
Setting/checking Heating 3,4 - 15~30 °C (59~86 °F) BERV Plus Auto mode Set temperature 1,2 - 15~30 °C (59~86 °F) Setting/checking Set temperature difference 3,4 - 5~15 °C (41~59 °F) Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus 1,2 - 0~10 °C Checking the compensating temperature B under the Heating EEV control for ERV Plus 3 - 0~Non use of humidifier (10 °C/32 °F) 1 – Use humidifier (10 °C/50 °C) ERV Plus fan RPM setting/ Air supply RPM 1,2 - 10~27 steps Air exhaustion RPM 3,4 - 10~27 steps 1 View master setting/checking (F3F4 line Indoor unit Wiew master setting/ checking CF3F4 line Indoor unit master) Mode master indoor unit Mode master indoor unit			ERV Plus temperature	Cooling	1,2	-	15~30°C (59~86°F)	1°C
Setting/checking Set temperature difference 3,4 - 5~15 °C (41~59 °F)		2	•		3,4	-	15~30°C (59~86°F)	1°C
Set temperature setting/checking Set temperature difference 3,4 - 5~15°C (41~59°F)	_	_	ERV Plus Auto mode	Set temperature	1,2	-	15~30°C (59~86°F)	1°C
4 Checking the compensating temperature B under the Heating EEV control for ERV Plus 5 ERV Plus fan RPM setting/ checking Checking 1 View master setting/ checking 2 (F3F4 line Indoor unit master) 6 ERV unit View master setting/ checking 2 (F3F4 line Indoor unit master) 7 Mode master indoor unit Mode master indoor	0	3		Set temperature difference	3,4	-	5~15 °C (41~59 °F)	1°C
4 Checking the compensating temperature B under the Heating EEV control for ERV Plus 5 ERV Plus fan RPM setting/ checking Air supply RPM 1,2 10~27 steps 10~27 steps 10~27 steps 1 1 1 1 1 1 1 1 1	5				1,2	-	0~10°C	1°C
1 View master setting/checking ERV unit View master setting/ checking checking ERV unit View master setting/ checking ERV unit View master setting/ checking checking ERV unit View master setting/ checking checking ERV unit View master setting/ checking checking checking checking ERV unit View master indoor unit checking check		4	Checking the compensating te	mperature B under the Heating	3	-	(0 °C/32 °F)	-
1 View master setting/checking CF3F4 line Indoor unit master) 2 (F3F4 line Indoor unit master) Mode master indoor unit		5	ERV Plus fan RPM setting/	Air supply RPM	1,2	-	10~27 steps	1 step
View master setting/checking checking checking (F3F4 line Indoor unit master) ERV unit View master setting/ checking checking laza456 - address Mode master indoor unit master indoor unit master indoor unit master master master indoor unit master		ر	checking			-	10~27 steps	1 step
2 (F3F4 line Indoor unit master) ERV unit View master setting/ checking 123456 - address		1	View master setting/checking		123456	-	address	-
Mode master indoor unit Mode master indoor unit	7	2		ERV unit View master setting/	123456	-	address	-
3		3		Mode master indoor unit	123456	-	address	-
3)**		4			1	-	0-No use, 1-Use, 2-Release	-

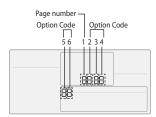






Main menu	Sub menu	Fund	tection Data Factory Setting Description			Unit	
	1	Status of Automatic	Air-Volume setting	1	0		-
8	2	Automatic Air-Vo	olume Operation	1	0	0 – Disable, 1 – Enable	-
0	3	Automatic Air-Volu	me Voltage Setting	1	2	specific voltage of model, please refer to the installation	-
	1		Factory setting	1	0	0-No use, 1-Reset	-
0	2	Reset	Power Master Reset 4)*	1	0	0-No use, 1-Reset	-
	3		Addressing Reset	1	0	0-No use, 1-Reset	-

1)* The total option codes are 24 digits. You can set six digits at a time and it is distinguished by page number. Press [>] button to go to the next page.



SEG1	SEG2	SEG3	SEG4	SEG5	SEG6					
0	*	*	*	*	*					
Page number										

SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	*	*	*	*	*

Page number

35013	3EG 14	SEGIS	SEGIO	SEG I /	SEGIO					
2	*	*	*	*	*					
Dawa washes										

Page number

SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	*	*	*	*	*

Page number

- # Regardless of Celsius and Fahrenheit setting, service mode setting is available only with Celsius.
- 2)* If you enter Main menu #4, you must select the targeted indoor unit/ventilator (ERV) address and then select the sub menu.
- 3)* Setting is available when there is only 1 indoor unit connection and while the indoor unit operation is not operating.
- 4)* 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.



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

NOTE										
NOTE	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
	OB	11	1B	27	2B	43	3B	59	4B	75
	OC_	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

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Wired Remote Controller Installation/Service Mode

The example of Wired Remote Controller option setting method



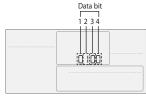
- 1. Press **Delete** and **Set** buttons at the same time for more than 3 seconds.
 - ▶ (Main menu) will be displayed and then press the $[\Lambda]/[V]$ button to select no.1.



- 2. Press [>] button to select the number you will set.
 - ▶ Press [∧]/[V] button and select no.1



- 3. Press [>] button to enter the data setting stage.
 - When you enter the setting stage, the current setting value will be displayed.
 Example of data setting stage display



Data1: Both cooling and heating of an indoor unit
Data2: Use wireless remote controller

Data2: Ose wireless remote controller

Data3: Master wired remote controller

Data4: Temperature display - Celsius (°C)



- 4. Press [<]/[>] button to select the desired Data1.
 - ▶ Press [<]/[>] button to select no.1.
 - ► The wired remote controller option is set from both cooling and heating to cooling only.
- 5. Press **Set** button to complete the option setting.
 - ► Save the setting value and exit to sub menu.
- 6. Press ESC button to exit to normal mode.







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