Air conditioner

User manual

Wired remote controller MWR-SH11N

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

DB68-08072A-00

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

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Safety precautions

This content is intended to protect the user's safety and prevent property damage. Please read it carefully for correct use of the product.

⚠ 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.**
	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

The installation of this appliance must be performed by a qualified technician or service company.

▶ Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury.

You must connect the product with rated power upon installation.

▶ Failing to do so may result in problems with the product, electric shock, or fire.

Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.

▶ This may result in electric shock or fire.

FOR INSTALLATION ⚠ CAUTION

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.

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Safety precautions

FOR POWER SUPPLY ⚠ WARNING

Do not bend or pull the power cord excessively.
Do not twist or tie up the power cord.

▶ This may result in electric shock or fire.

FOR OPERATION ⚠ WARNING

If the appliance generates a strange noise, a burning smell or smoke, stop the operation immediately and contact your nearest service center.

▶ Failing to do so may result in electric shock or fire.

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

▶ Failing 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.

If the malfunction diagnosis indicator appears or abnormal operation occurs, stop operation immediately.

▶ If you detect any burning smells from the product or abnormal operation occurs, then immediately turn off the air conditioner and power, and then contact the service center. Continuing to use the device in this state can cause electric shock, fire, or damage to the product.

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

▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.

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FOR OPERATION ⚠ CAUTION

Do not allow water to enter the product.

▶ This may result in fire or explosion.

Do not operate the appliance with wet hands.

▶ This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

▶ As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not apply a strong impact to the remote controller and do not disassemble the remote controller.

Do not use this product for other purposes.

▶ This product is designed to only be used for a system air conditioner.

Do not press the buttons with any sharp objects.

▶ This may result in electric shock or part damage.

FOR CLEANING ⚠ WARNING

Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner, alcohol or acetone to clean the appliance.

▶ This may result in discoloration, deformation, damage, electric shock or fire.

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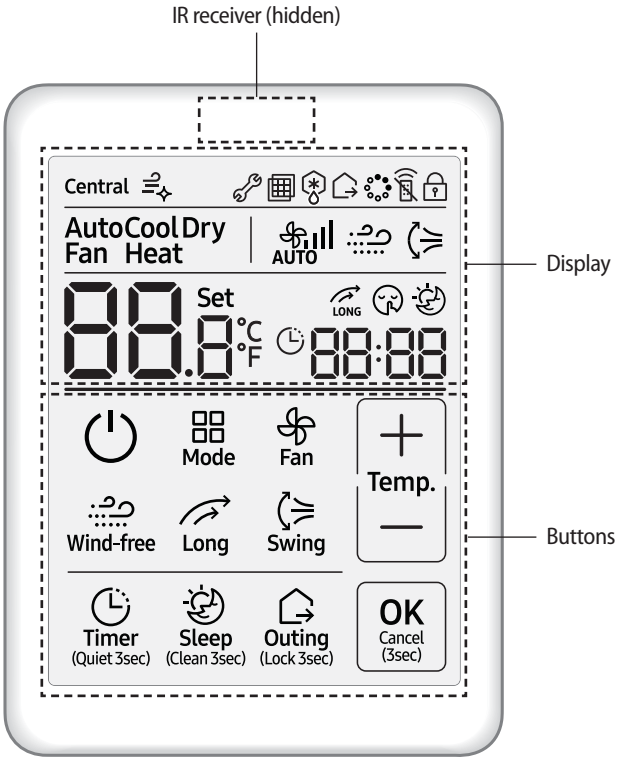
Names of the parts

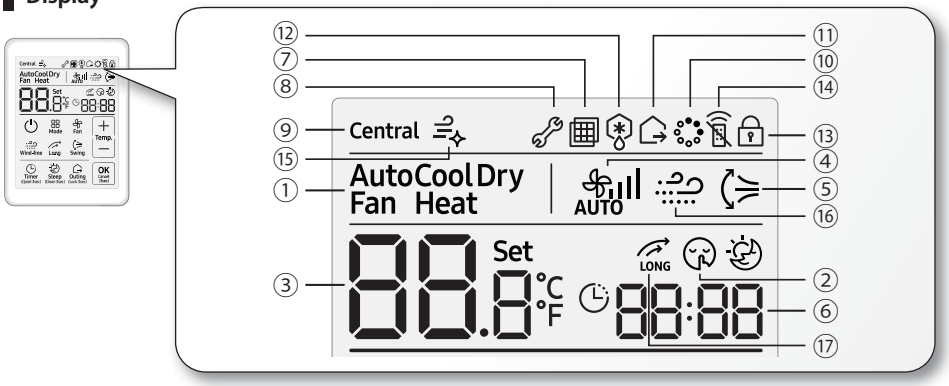
Wired remote controller



NOTE

- In case of duct type indoor unit, you can use wireless remote controller using IR receiver of this wired remote controller without "Display and receiver kit". You can set this function in the user setting mode.

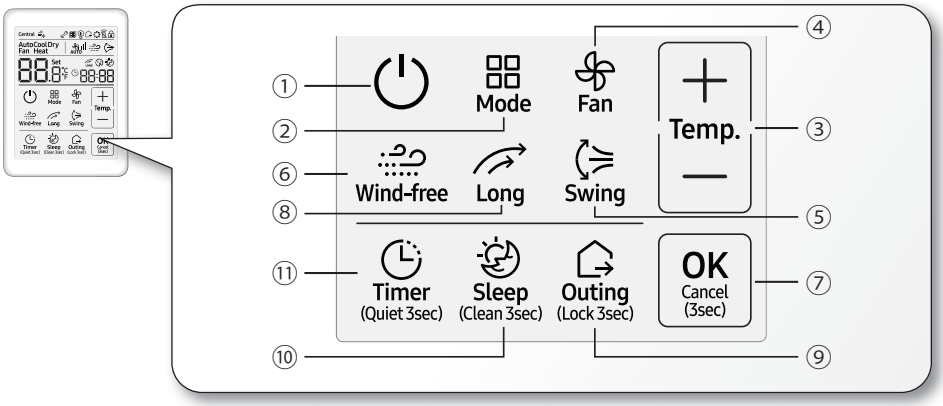
Display



Classification	Indication	Function
①	Auto Cool Dry Fan Heat	Displays air conditioner operation.
②		Displays quiet operation.
③		Displays Indoor temperature/Set temperature.
④	AUTO	Displays AC fan speed.
⑤		Displays air swing (Up/Down).
⑥		Displays ON/OFF time (scheduled time).
⑦		Displays filter cleaning (filter cleaning period).
⑧		Displays check.
⑨	Central	Displays centralized control.
⑩		Displays S-Plasma Ion operation.
⑪		Displays outing mode.
⑫		Displays defrost operation.
⑬		Displays partial locking/all locking/invaild operation.
⑭		Displays IR receiver for wireless remote controller. (Default : disuse, indication on)
⑮		Displays Clean operation.
⑯		Displays Wind-Free Cooling operation.
⑰	LONG	Displays Long reach operation.

Names of the parts

Buttons



Classification	Button	Function	
①		Operation on/off button	Turn the air conditioner power on/off
②	Mode	Mode button	Select a desired air conditioner operation
③	Temp.	Temperature setting button	Set a desired temperature and adjust the time
④	Fan	Fan speed button	Change the air conditioner's fan speed
⑤	Swing	Air swing button	Select the air flow direction of the air conditioner
⑥	Wind-free	Wind-Free button	Select Wind-Free Cooling operation
⑦	OK Cancel (3 sec)	OK/Cancel button	Confirm or cancel (by pressing and holding the button for 3 seconds)
⑧	Long	Long button	Select Long reach function
⑨	Outing (Lock 3sec)	Outing/Lock button	Select outing operation for the air conditioner/Lock the wired remote controller(by pressing and holding the button for 3 seconds)
⑩	Sleep (Clean 3sec)	Sleep/Clean button	Select sleep/Clean operation for the air conditioner(by pressing and holding the button for 3 seconds)
⑪	Timer (Quiet 3sec)	Timer/Quiet button	Select the timer function/quiet operation for the air conditioner(by pressing and holding the button for 3 seconds)

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Basic operation of air conditioner

Basic operations can be selected by pressing the **[Mode]** button.

Auto

This operation allows you to automatically adjust the temperature and the fan speed to maximize your comfort.

- When the indoor temperature is very high, the device will produce a strong, cold breeze. When the indoor temperature cools down, then weaker breeze will be produced.

Cool

This is a frequently used operation that allows you to adjust the fan speed, temperature, and air flow direction the way you like.

- If you select heating operation during cooling operation, then the cooling operation is canceled.

Dry

This operation effectively removes all excess humidity so that you can feel refreshed during rainy days.

Fan

This operation produces breeze, just like a powerful fan, so that you can enjoy a refreshing breeze.

Heat

This function produces warm breeze so that you can use it in the fall or winter.

- Immediately after starting the heating operation, the air conditioner system may stop producing any breeze at all for a while to avoid generating cold breeze.
- Defrost indicator ( )
  - If you start removing frost from the outdoor unit during heating operation, the indicator will turn on.
    When defrosting is over, the indicator will turn off.
    (When the frost is being removed, the indoor unit does not generate any breeze.)
- If you stop the air conditioner after the heating operation, the air conditioner will produce some breeze to discharge all the heat from the indoor unit.
- If you select the cooling operation during heating operation, then the heating operation is canceled.

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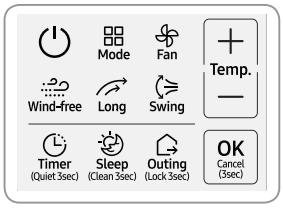
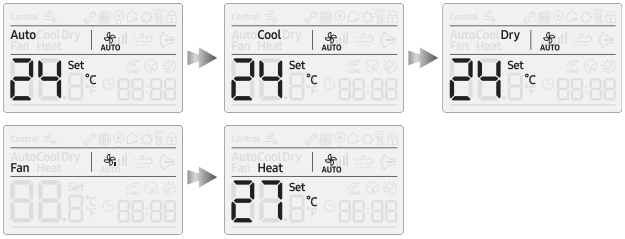
Basic operation of air conditioner



Press the button to operate the air conditioner.

Press the button to select a desired operation.



Press the button to select a fan speed.

Auto	AUTO (Auto)
Cool	(Low) , (Medium), (High), AUTO (Auto)
Dry	AUTO (Auto)
Fan	(Low) , (Medium), (High)
Heat	(Low) , (Medium), (High), AUTO (Auto)

NOTE

- (Turbo) will be displayed if turbo fan speed is valid on the indoor unit.

Press the button to set a desired temperature.

Auto	You can adjust the desired temperature by 1 ℃(1 ℉) within a range of 18 ℃~30 ℃ (65 ℉~86 ℉).
Cool	You can adjust the desired temperature by 1 ℃(1 ℉) within a range of 18 ℃~30 ℃ (65 ℉~86 ℉).
Dry	You can adjust the desired temperature by 1 ℃(1 ℉) within a range of 18 ℃~30 ℃ (65 ℉~86 ℉).
Fan	You can't change the desired temperature.
Heat	You can adjust the desired temperature by 1 ℃ (1 ℉) within a range of 16 ℃~30 ℃ (61 ℉~86 ℉). * Nordic models (AC✳✳✳✳XSC✳H) : 8 ℃~30 ℃ (46 ℉~86 ℉).

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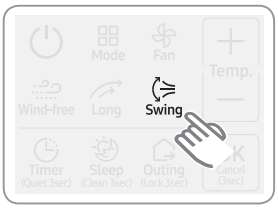
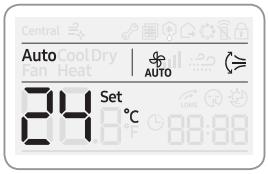
Selecting the air flow direction

This function allows you to shift the air flow direction up and down.



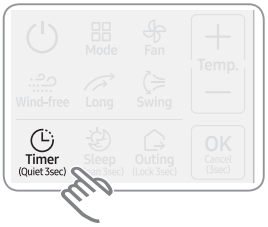


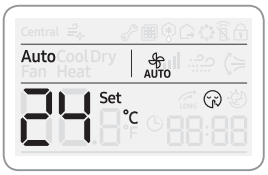
1. Press the **[Swing]** button to tilt the blade up and down.
2. Press the **[Swing]** button one more time to set the air flow direction when the blade reaches the desired position. The up/down tilting of the blade will stop in place.

NOTE
- If you press the **[Swing]** button for a duct type indoor unit, the air flow direction will not be controlled and 🔒 lamp will blink.

Selecting quiet operation

In quiet operation, the noise from the air conditioner operation will be decreased.
Press and hold the **[Quiet]** button for more than 3 seconds to select the quiet operation.





Auto	Quiet → Cancel is repeated.
Cool	Quiet → Cancel is repeated.
Dry	Quiet → Cancel is repeated.
Fan	🔒 will blink.
Heat	Quiet → Cancel is repeated.

NOTE
- If you press the **[Quiet]** button for an air conditioner which does not support the quiet operation, 🔒 will blink.

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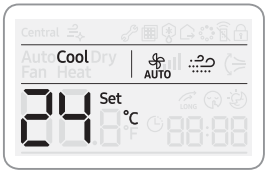
Wind-Free Cooling

Use the Wind-Free Cooling function to enjoy mild cool breeze exuding from fine holes on the Wind-Free panel with the air flow blade closed, instead of getting cool wind directly. The automated control of the temperature and fan speed according to the indoor temperatures keeps your room cool and pleasant.



Press the [**Wind-free**] button to select the Wind-Free Cooling function.

NOTE

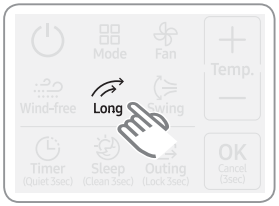
- To cancel this function, press the [**Wind-free**] button again.
- If the Wind-Free Cooling function is cancelled, the air conditioner returns to the original fan speed.
- You can adjust the set temperature during the Wind-Free Cooling function, and recommended set temperatures are 24 to 26°C (75 to 79°F). However, you cannot change the set temperature in the Fan mode.
- You can use the Wind-Free Cooling function when the Cool, Dry, or Fan mode is running.
- If the room temperature goes high because of rise of external temperature, heat from cooking, or other reason, operate the Wind-Free Cooling function after operating in the Cool mode.
- If you select the Wind-Free Cooling function in the Fan mode, the compressor stops working so that cool air does not come out. However, mild breeze comes out and starts to clean the air in the room.
- During the Wind-Free Cooling operation, the cold air may be intermittently weakened depending on the temperature and humidity in the room. But the Wind-Free air currents are maintained and the weakened cold air is immediately recovered, consequently keeping the room comfortable. (During the Wind-Free Cooling operation, the air flow blades may open to control the indoor air currents smoothly, depending on the installation settings. In this case, as soon as the indoor temperature and humidity change, the air flow blades are closed and the Wind-Free Cooling operation restarts.
  For more information on the installation settings, see "Setting the indoor unit addresses and the installation options" in the installation manual of the indoor unit.)

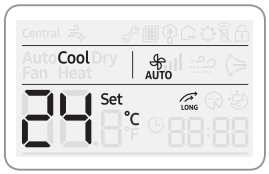
Change of the air flow blade by temperature and humidity			
Indoor temperature and humidity	Low	High	
	Breeze is blown via the micro holes on the air flow blades	Breeze is blown via the micro holes on the air flow blades	Breeze comes from the air flow blade depending on the setting
Air flow blade	Closed	Closed (default)	Opened (according to setting)

- When the Wind-Free Cooling function runs while sleeping, you may feel cold air if the air conditioner is installed over the bed. In this case, set the desired temperature higher than the normal setting temperature.

Long reach

Use the Long reach function to deliver strong air flow that quickly reaches a far distance.





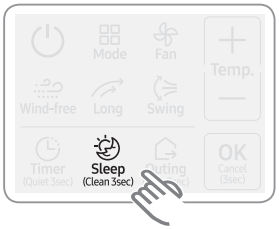
Press the [**Long**] button to select the Long reach function.

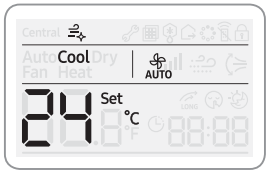
NOTE

- To cancel this function, press the [**Long**] button again.
- You cannot change the fan speed.
- If the indoor unit is turned off or does not support the Long reach function, the 🔒 indicator appears when you press the [**Long**] button.

Clean

Use the Clean function to remove moisture from the inside of the air conditioner for preventing propagation of fungi, bacteria, etc.





Press and hold the [**Clean**] button for more than 3 seconds.

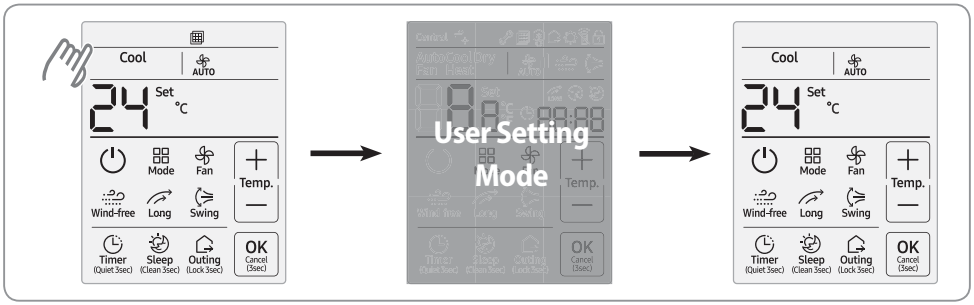
- indicator will be displayed.

NOTE

- Depending on the condition of the indoor unit, the Clean operation stops after running for 30 seconds to 20 minutes.
- To cancel this function, press the [**Clean**] button again.
- When the Clean function is set, the Timer LED on the indoor unit blinks 3times for 3 seconds . (OFF → ON → OFF → ON → OFF → ON → OFF → Return to the previous state). When the Clean function is cancelled, the Timer LED on the indoor unit blinks once for 1 second. (OFF → ON → OFF → Return to the previous state)
- If you turn on the air conditioner and then turn it off within 20 seconds, the Clean function does not operate.
- When the air conditioner is turned off, the Clean function operates immediately. When it is turned on, the Clean function operates after it is stopped.
- Once the Clean function is started, it automatically continues to operate until it is cancelled.
- When the Clean function is set, is displayed on the wired remote controller display even when the air conditioner is turned off.

Resetting filter cleaning alarm

When the ▦ appears on the remote controller, clean the filter and set the filter reset off in the user setting mode.



NOTE
- You can see how to access user setting mode at the page 18~19.

On-timer

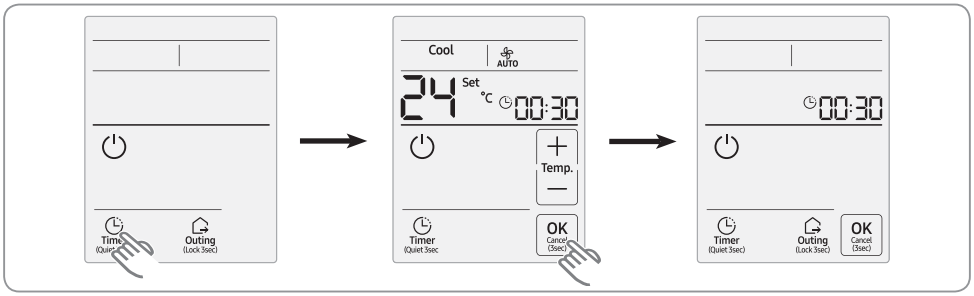
When an indoor unit is turned off,

Press the **[Timer]** button.

- Time segment will blink in 1 second period in setting mode.
- Press **[+]/[-]** button to adjust the time.
- Time is set by 30 minutes unit for less than 3 hours, and by 1 hour unit for more than 3 hours.
- Time can be set from 30 minutes to 24 hours maximum.

1. Press the **[OK]** button when time setting is completed. Time segment will stop blinking and remaining time will decrease by 1 minute unit from set time.
   - If there is no input during 3 minutes in setting mode, set time and the mode will be canceled.
2. Press and hold **[Cancel]** button for more than 3 seconds to cancel the setting mode without saving the current setting.
3. Press and hold **[Cancel]** button for more than 3 seconds to cancel the on timer after setting is finished.

NOTE
- On timer function can be set only when an indoor unit is turned off.



Off-timer

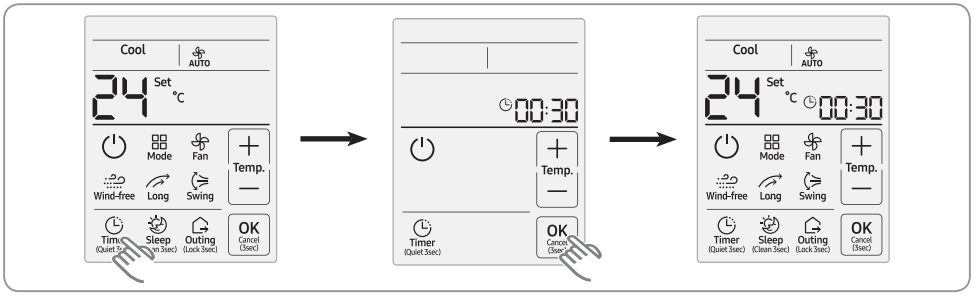
When an indoor unit is turned on,

Press the **[Timer]** button.

- Time segment will blink in 1 second period in setting mode.
- Press **[+]/[-]** button to adjust the time.
- Time is set by 30 minutes unit for less than 3 hours, and by 1 hour unit for more than 3 hours.
- Time can be set from 30 minutes to 24 hours maximum.

1. Press the **[OK]** button when time setting is completed. Time segment will stop blinking and remaining time will decrease by 1 minute unit from set time.
   - If there is no input during 3 minutes in setting mode, set time and the mode will be canceled.
2. Press and hold **[Cancel]** button for more than 3 seconds to cancel the setting mode without saving the current setting.
3. Press and hold **[Cancel]** button for more than 3 seconds to cancel the off timer after setting is finished.

NOTE
- Off timer function can be set only when an indoor unit is turned on.

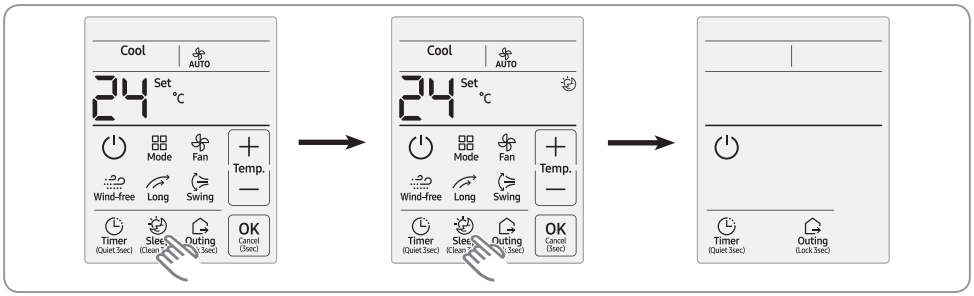


Sleep

With the sleep function, you can have the air conditioner turn off automatically after 6 hours without stopping the operation in the middle of the night.

Auto	will blink.
Cool	Sleep → Cancel is repeated.
Dry	will blink.
Fan	will blink.
Heat	Sleep → Cancel is repeated.

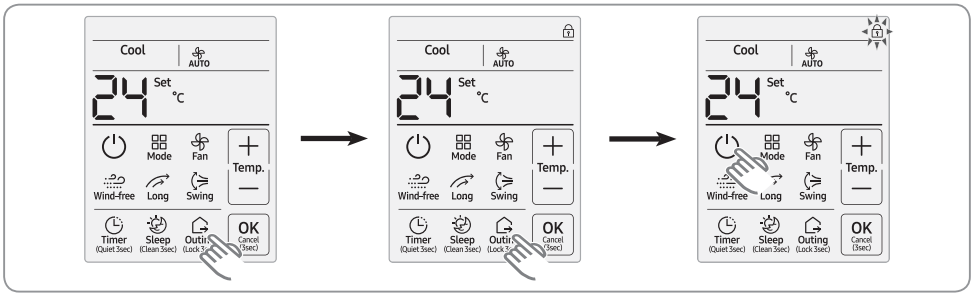
NOTE
- If you press the **[Sleep]** button for an air conditioner which does not support the quiet operation, will blink.



Lock

This function allows you to lock the whole display of the wired remote controller.

1. Press and hold the [**Lock**] button for more than 3 seconds.
   - 🔒 indicator will be displayed.
2. 🔒 will blink if you press any buttons except [**Lock**] button.
   - Press and hold the [**Lock**] button for more than 3 seconds again, this function will be canceled.



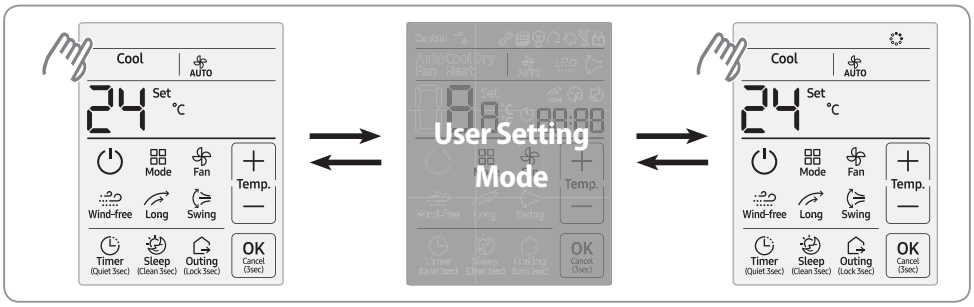
S-Plasma Ion

Eliminate dangerous airborne contaminants and allergens, as well as bacteria and virus.

You can set or cancel the S-Plasma Ion function in the user setting mode.

- If the S-Plasma Ion function is not supported, 🔒 will blink when you set the S-Plasma Ion function.

NOTE
- You can see how to access user setting mode at the page 18~19.



Outing

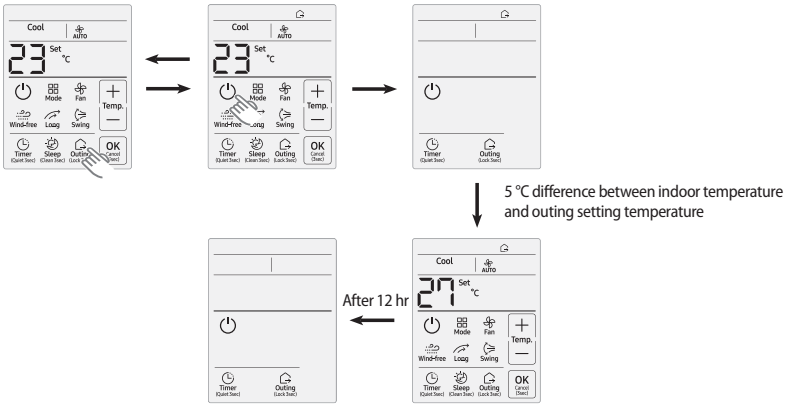
Outing function keeps minimum cooling/heating temperature of indoor on your absence.

1. Press the **[Outing]** button.
   - Outing indicator will be displayed.
2. When an air conditioner is turned off,
   - If indoor temperature has 5 °C (9 °F) difference with desired outing temperature, the air conditioner will be turned on automatically.
   - If indoor temperature is same as desired outing temperature, the air conditioner will be turned off automatically.
   - it is repeated depending on indoor temperature within 12 hours, and then outing function is canceled.

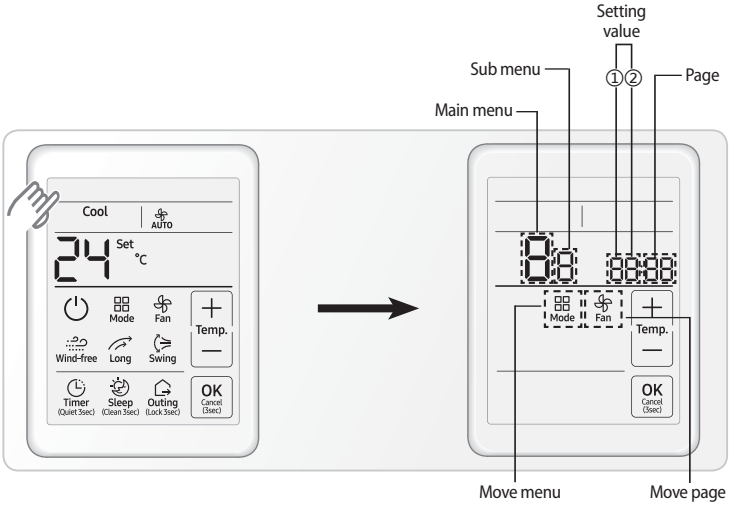
Auto	🔒 will blink.
Cool	Outing → Cancel is repeated.
Dry	🔒 will blink.
Fan	🔒 will blink.
Heat	Outing → Cancel is repeated.

NOTE

- You can use outing function in only cool/heat mode.
- The outing function will be active when wired remote controller is turned off.
- The outing function operates with low fan speed.
- If there is any input button on your wired remote controller, outing function will be canceled.
- If your indoor unit's status is changed, outing function will be canceled.
- You can set the desired outing temperature on the user setting mode.
  <Temperature setting range>
  - Cool mode : 25~30 °C (77~86 °F), default : 27 °C (81 °F)
  - Heat mode : 16~22 °C (61~72 °F), default : 16 °C (61 °F)
- You can use the outing function in the master wired remote controller. The slave wired remote controller just displays it for a outing function status of the master wired remote controller.
  - Press the **[Outing]** button on the slave wired remote controller, then the 🔒 will blink.
- The outing function operation will be canceled if you change the master/slave setting on your wired remote controller.



How to set additional user functions



1. If you want to use the various additional user functions for your wired remote controller, press the top left corner (hidden button) of the display for more than 3 seconds.
   - You will enter the additional function settings, and the main menu will be displayed.
2. Refer to the list of additional user functions for your wired remote controller on the next page, and select the desired menu.
   - Using the **[+]/[-]** buttons, select a main menu number and press the **[Mode]** button to enter the sub menu setting screen.
   - Using the **[+]/[-]** buttons, select a sub menu number and press the **[Mode]** button to enter data setting screen.
   - Using the **[+]/[-]** buttons, select the settings.
   - Press the **[Fan]** button to select page.
   - Press the **[OK]** button to save the current settings. The **[OK]** button is invalid on the main menu or sub manu setting screen.
   - Press the **[Cancel]** button for more than 3 seconds to exit to normal mode without saving settings.

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Main menu	Sub menu	Function description		Setting value		Page	Save location
				Value	Factory default		
2	1	Temperature Limit	Lower limit	8 ~ 30 °C (47 ~ 86 °F)	8 (47)	01	Wired remote controller
	2		Upper limit	8 ~ 30 °C (47 ~ 86 °F)	30 (86)	01	Wired remote controller
	3	Set Outing Temperature	Cooling desire temperature on outing function	25 ~ 30 °C (77 ~ 86 °F)	27 (81)	01	Wired remote controller
	4		Heating desire temperature on outing function	16 ~ 22 °C (61 ~ 72 °F)	16 (61)	01	Wired remote controller
3	1	Lock of all buttons		0-Unlock, 1-Lock	0	01	Wired remote controller
	2	Partial Button Lock 1	Lock of operation ON/OFF button	0-Unlock, 1-Lock	0	01	Wired remote controller
			Lock of temperature setting buttons	0-Unlock, 1-Lock	0	02	Wired remote controller
			Lock of fan speed button	0-Unlock, 1-Lock	0	03	Wired remote controller
	3	Partial Button Lock 2	Lock of ON/OFF timer function button	0-Unlock, 1-Lock	0	01	Wired remote controller
			Lock of Swing function button	0-Unlock, 1-Lock	0	02	Wired remote controller
			Lock of Sleep function button	0-Unlock, 1-Lock	0	03	Wired remote controller
			Lock of Quiet function button	0-Unlock, 1-Lock	0	04	Wired remote controller
			Lock of Outing function button	0-Unlock, 1-Lock	0	05	Wired remote controller
			Lock of Lock function button	0-Unlock, 1-Lock	0	06	Wired remote controller
			Lock of Wind-Free Cooling function	0-Unlock, 1-Lock	0	07	Wired remote controller
			Lock of Long reach function	0-Unlock, 1-Lock	0	08	Wired remote controller
			Lock of Clean function	0-Unlock, 1-Lock	0	09	Wired remote controller
	4	Operation Mode Partial Button Lock	Lock of operation mode button	0-Unlock, 1-Lock	0	01	Wired remote controller
			Hide of auto mode	0-Unlock, 1-Lock	0	02	Wired remote controller
			Hide of cool mode	0-Unlock, 1-Lock	0	03	Wired remote controller
			Hide of dry mode	0-Unlock, 1-Lock	0	04	Wired remote controller
			Hide of fan mode	0-Unlock, 1-Lock	0	05	Wired remote controller
			Hide of heat mode	0-Unlock, 1-Lock	0	06	Wired remote controller
6	1	Checking/setting of backlight time out		0~30 (Disuse in 0)	5	01	Wired remote controller (1 time use)
7	1	User Setting Function	Resetting filter cleaning alarm	0-No reset, 1-Reset	0	01	Wired remote controller
	2		Use of S-Plasma Ion	0-Disuse, 1-Use	0	01	Wired remote controller
	3		Use display of current temperature	0-Disuse, 1-Use	1	01	Wired remote controller
	4		Use of button melody	0-Disuse, 1-Use	1	01	Wired remote controller
	5		Use of IR receiver for wireless remote controller 1)*	0-Disuse, 1-Use	0	01	Wired remote controller
	6		Use of Standby Mode	0-Disuse, 1-Use	1	01	Wired remote controller
	7		Use of Indoor Unit Lighting ON/OFF	0-Disuse, 1-Use	1	01	Wired remote controller
8	1	Setting/Checking Easy Tuning		-2 ~ +2	0	01	Wired remote controller (1 time use)
0	1	Reset to default value of user setting mode (except current time)		0-No reset, 1-Reset	0	01	Wired remote controller (1 time use)

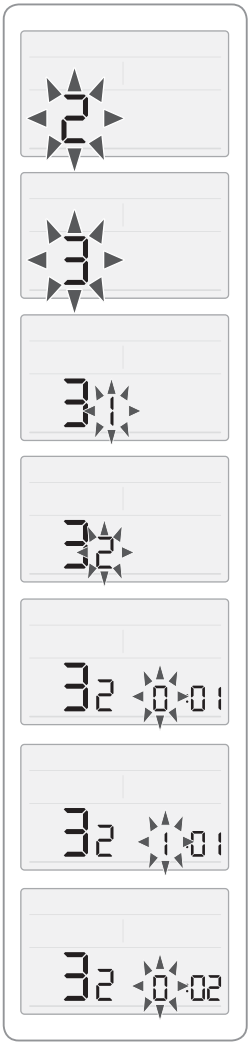
NOTE

- 🔒 will blink if you select a function that is not supported by the indoor unit.

1)* In case of duct type indoor unit, you can use wireless remote controller using IR receiver of this wired remote controller without "Display and receiver kit". Some functions may not be activated by the wireless remote controller.

How to set additional user functions

Example of locking Power button and unlocking Mode button



1. Press the top left corner (hidden button) of display for more than 3 seconds to enter to User Setting Mode.
2. Main menu segment will display as number 2 and blink in 1 second period when accessed to User Setting Mode.
3. Set the Main menu as number 3 by pressing **[+]/[-]** button.
4. Select Sub menu by pressing **[Mode]** button.
   - Sub menu will be displayed.
5. Set the Sub menu as number 2 by pressing **[+]/[-]** button.
6. Select Data by pressing **[Mode]** button.
   - Page of current menu and data applied to the page will be displayed.
7. Set data as number 1 by pressing **[+]/[-]** button.
8. Select Page as number 2 by pressing **[Fan]** button.
9. Set data of page 2 as number 0 by pressing **[+]/[-]** button.
10. Save the current setting by pressing **[OK]** button.
    - Mode will be changed to normal status without saving current settings by pressing and holding **[Cancel]** button for more than 3 seconds.

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Memo

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