12 FUNCTION SETTING

12-1. UNIT FUNCTION SETTING BY THE REMOTE CONTROLLER

Each function can be set according to necessity using the remote controller. The setting of function for each unit can only be done by the remote controller. Select function available from the table 1.

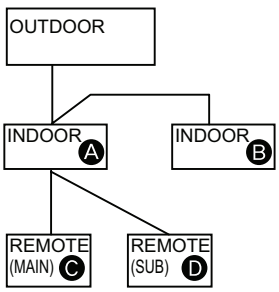
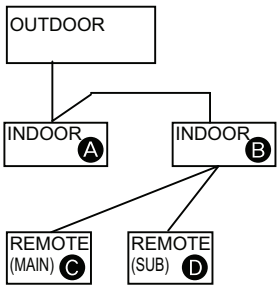
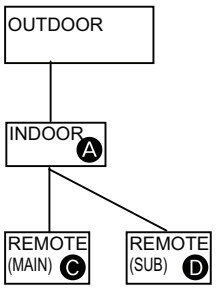
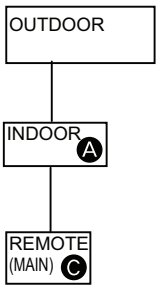
(1) Functions available when setting the unit number to 00 (Select 00 referring to ④ setting the indoor unit number.)

<Table 1> Function selections

Function	Settings	Mode No.	Setting No.	●: Initial setting (when sent from the factory)	Remarks
Power failure automatic recovery	Not available	01	1		The setting is applied to all the units in the same refrigerant system.
	Available		2	●	
Indoor temperature detecting	Average data from each indoor unit	02	1	●	
	Data from the indoor unit with remote controllers		2		
	Data from main remote controller		3		
LOSSNAY connectivity	Not supported	03	1	●	
	Supported (indoor unit dose not intake outdoor air through LOSSNAY)		2		
	Supported (indoor unit intakes outdoor air through LOSSNAY)		3		
Power supply voltage	230V	04	1	●	
	208V		2		
Frost prevention temperature	2℃ [36°F] (Normal)	15	1	●	
	3℃ [37°F]		2		
Humidifier control	When the compressor operates, the humidifier also operates.	16	1	●	
	When the fan operates, the humidifier also operates.		2		
Change of defrosting control	Standard	17	1	●	
	For high humidity		2		

Meaning of "Function setting"

Mode02 : indoor temperature detecting

No.	Indoor temperature(ta)=					
No1.	Average data of the sensor on all the indoor units	Initial setting	ta=(A+B)/2	ta=(A+B)/2	ta=A	ta=A
No2.	Data of the sensor on the indoor unit that connected with remote controller		ta=A	ta=B	ta=A	ta=A
No3.	Data of the sensor on main remote controller		ta=C	ta=C	ta=C	ta=C

(2) Functions available when setting the unit number to 01-03 or AL (07 in case of wireless remote controller)

- When setting functions for an indoor unit in an independent system, set the unit number to 01 referring to ④ setting the indoor unit number.
- When setting functions for a simultaneous twin indoor unit system, set the unit number to 01 to 03 for each indoor unit in case of selecting different functions for each unit referring to ④ setting the indoor unit number.
- When setting the same functions for an entire simultaneous Twin-indoor unit system, set refrigerant address to AL (07 in case of wireless remote controller) referring to ④ setting the indoor unit number.

Function	Settings	Mode No.	Setting No.	●: Initial setting (Factory setting) - : Not available			
				4-Way cassette	Ceiling suspended	Wall mounted	
				PLA-BA	PCA-KA	PKA-HA(L)	PKA-KA(L)
Filter sign	100h	07	1			●	●
	2500h		2	●	●		
	"Clean the filter" indicator is not displayed		3				
Air flow (Fan speed)	Quiet	08	1			-	
	Standard		2	●	●	●	●
	High ceiling		3				-
No.of air outlets	4 directions	09	1	●	-	-	-
	3 directions		2		-	-	-
	2 directions		3		-	-	-
Optional high efficiency filter	Not supported	10	1	●	●	-	-
	Supported		2			-	-
Vane setting	No vanes (Vane No.3 setting : PLA only)	11	1			-	-
	Vane No.1 setting		2	●	●	-	-
	Vane No.2 setting		3			-	-
Optional humidifier (PLA only)	Not supported	13	1	●	-	-	-
	Supported		2		-	-	-
Vane differential setting in heating mode (cold wind prevention)	No.1 setting (TH5: 24-28℃)	14	1				
	No.2 setting (Standard, TH5:28-32℃)		2	●	●	●	●
	No.3 setting (TH5: 32-38℃)		3				
Swing	Not available / Swing } PLA-BA	23	1				
	Available / Wave air flow } PLA-BA		2	●	●	●	●
Set temperature in heating mode (4 deg up) *1	Available	24	1	●	●	●	●
	Not available		2				
Fan speed when the heating thermostat is OFF	Extra low	25	1	●	●	●	●
	Stop		2				
	Keeping fan speed set by remote controller		3				
Fan speed when the cooling thermostat is OFF	Keeping fan speed set by remote controller	27	1	●	●	●	●
	Stop		2				
Detection of abnormality of the pipe temperature (P8)	Detect	28	1	●	●	●	●
	Neglect		2				

*1. PKA-HA(L)/KA(L): 2degC (3.6DegF) up.

Mode No.11

Setting No.	Settings	PLA-BA	PCA-KA
1	Vane No.3 setting No Vanes	Less smudging (Downward position than the standard)	No vane function
2	Vane No.1 setting	Standard	Standard
3	Vane No.2 setting	Less draft * (Upward position than the standard)	Less draft * (Upward position than the standard)

* Be careful of the smudge on ceiling.

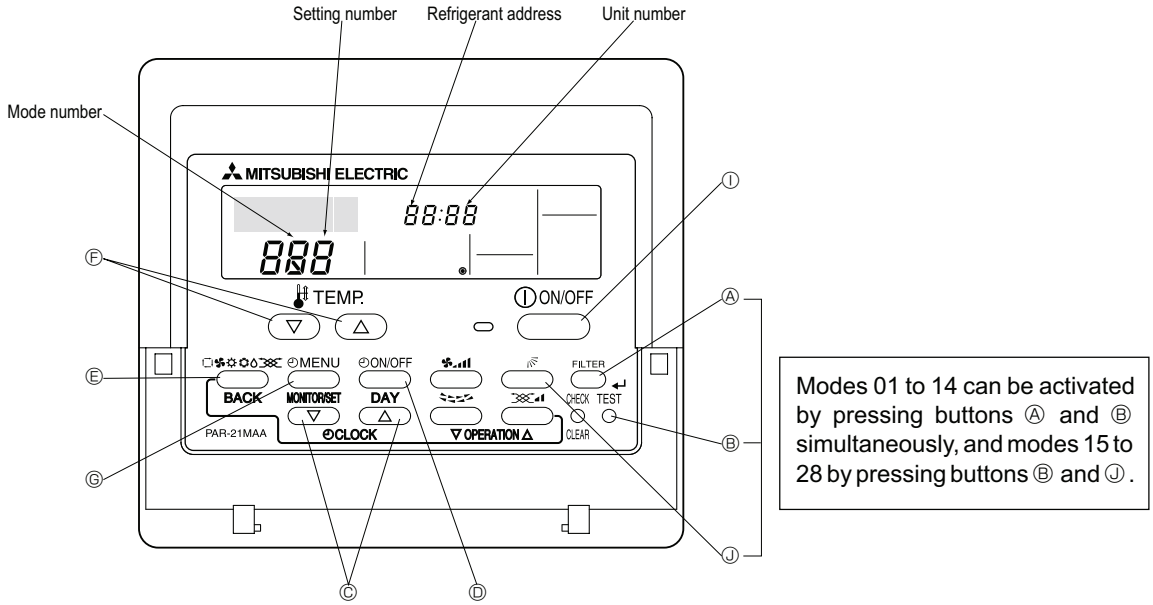
PEA-A·AA

Function	Settings	Mode No.	Setting No.	● : Initial setting (Factory setting)
Filter sign	100h	07	1	
	2500h		2	
	No filter sign indicator		3	●
External static pressure	5/15/35/50Pa (0.02/0.06/0.14/0.20in.WG)	08	Refer to the right table	
		10	Refer to the right table	
Set temperature in heating mode (4 deg up)	Available	24	1	●
	Not available		2	
Fan speed during the heating thermo OFF	Extra low	25	1	●
	Stop		2	
	Set fan speed		3	
Fan speed during the cooling thermo OFF	Set fan speed	27	1	●
	Stop		2	
Detection of abnormality of the pipe temperature (P8)	Available	28	1	●
	Not available		2	

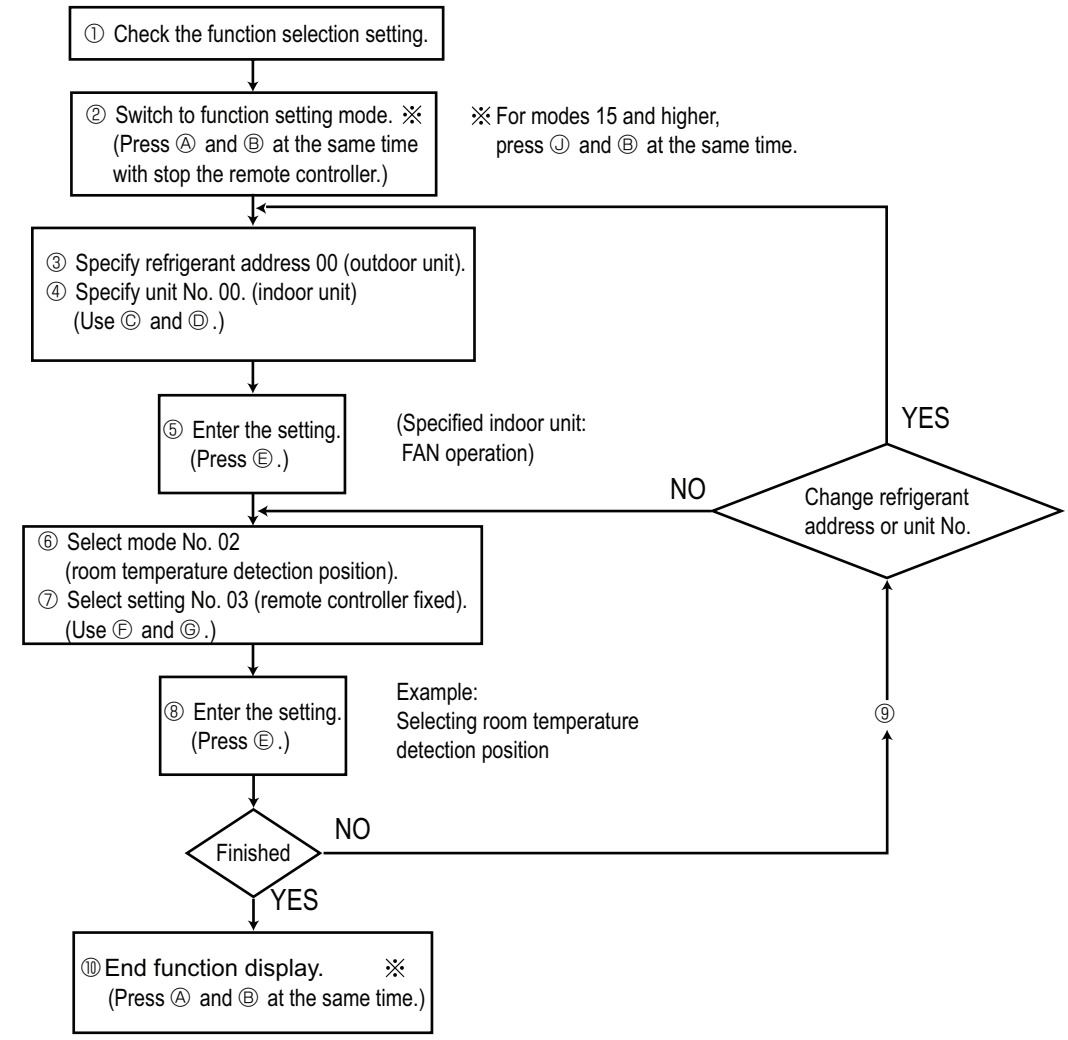
External static pressure	Setting No.		Initial setting (Factory setting)
	Mode No. 08	Mode No. 10	
5Pa (0.02in.WG)	1	2	
15Pa (0.06in.WG)	1	1	●
35Pa (0.14in.WG)	2	1	
50Pa (0.20in.WG)	3	1	

12-1-1. Selecting functions using the wired remote controller

First, try to familiarize yourself with the flow of the function selection procedure. In this section, an example of setting the room temperature detection position is given.
For actual operations, refer to steps ① to ⑩.



Selecting functions using the wired remote controller

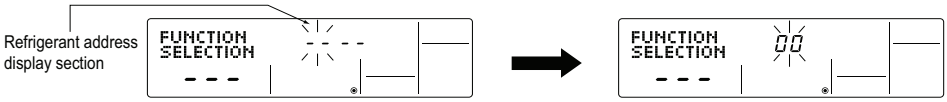


The above procedure must be carried out only if changes are necessary.

[Operating Procedure]

① Check the setting items provided by function selection.
If settings for a mode are changed by function selection, the functions of that mode will be changed accordingly. Check all the current settings according to steps ② to ⑦, fill in the "Check" column in Table 1, then change them as necessary. For initial settings, refer to the indoor unit's installation manual.

② Switch off the remote controller.
Ⓐ Hold down the (FILTER) (mode is 15 to 28)and Ⓑ (TEST) buttons simultaneously for at least 2 seconds. FUNCTION SELECTION will start to blink, then the remote controller's display content will change as shown below.

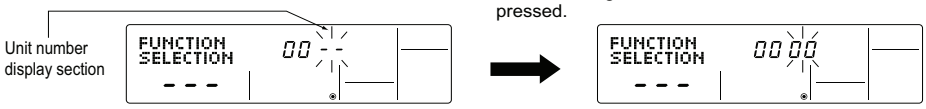


③ Set the outdoor unit's refrigerant address.
Ⓒ Press the [CLOCK] buttons (▽ and △) to select the desired refrigerant address. The refrigerant address changes from "00" to "15". (This operation is not possible for single refrigerant systems.)

* If the unit stops after FUNCTION SELECTION blinked for 2 seconds or "88" blinks in the room temperature display area for 2 seconds, a transmission error may have occurred. Check to see if there are any sources of noise or interference near the transmission path.

Note : If you have made operational mistakes during this procedure, exit function selection (see step ⑩), then restart from step ②.

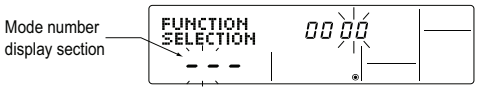
④ Set the indoor unit number.
Ⓓ Press the (ON/OFF) button so that "- -" blinks in the unit number display area.



Ⓒ Press the [CLOCK] buttons (▽ and △) to select the unit number of the indoor unit for which you want to perform function selection. The unit number changes to "00", "01", "02","03",04" and "AL" each time a button is pressed.

* To set modes 01 to 06 or 15 to 22, select unit number "00".
* To set modes 07 to 14 or 23 to 28, carry out as follows:
To set each indoor unit individually, select " 01" to "04".
To set all the indoor units collectively, select " AL".

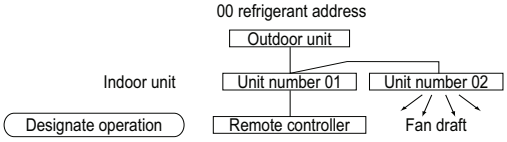
⑤ Confirm the refrigerant address and unit number.
Ⓔ Press the (MODE) button to confirm the refrigerant address and unit number.
After a while, "- - " will start to blink in the mode number display area.



* "88" will blink in the room temperature display area if the selected refrigerant address does not exist in the system.
Furthermore, if "F" appears and blinks in the unit number display area and the refrigerant address display area also blinks, there are no units that correspond to the selected unit number. In this case, the refrigerant address and unit number may be incorrect, so repeat steps ② and ③ to set the correct ones.

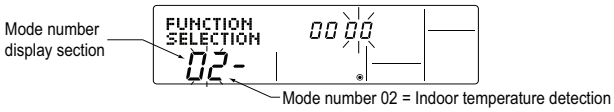
Ⓔ When the refrigerant address and unit number are confirmed by pressing the (MODE) button, the corresponding indoor unit will start fan operation. This helps you find the location of the indoor unit for which you want to perform function selection. However, if "00" or "AL" is selected as the unit number, all the indoor units corresponding to the specified refrigerant address will start fan operation.

Example) When the refrigerant address is set to 00 and the unit number is 02.



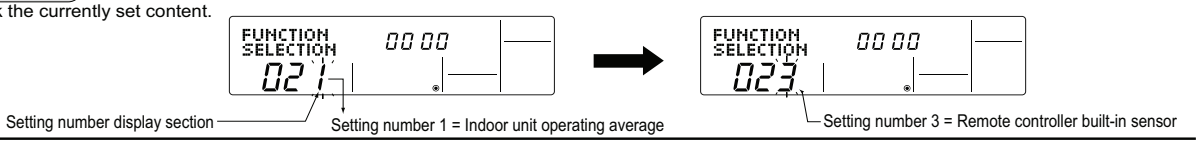
* When grouping different refrigerant systems, if an indoor unit other than the one to which the refrigerant address has been set to perform fan operation, there may be another refrigerant address that is the same as the specified one. In this case, check the DIP switch of the outdoor unit to see whether such a refrigerant address exists.

⑥ Select the mode number.
Ⓕ Press the [TEMP] buttons (▽ and △) to set the desired mode number.
(Only the selectable mode numbers can be selected.)



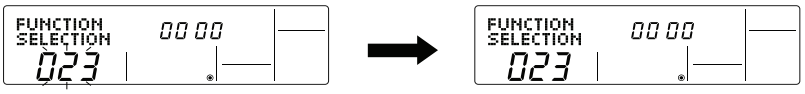
⑦ Select the setting content for the selected mode.
Ⓖ Press the (MENU) button. The currently selected setting number will blink, so check the currently set content.

Ⓕ Press the [TEMP] buttons (▽ and △) to select the desired setting number.



⑧ Register the settings you have made in steps ③ to ⑦.
Ⓔ Press the (MODE) button. The mode number and setting number will start to blink and registration starts.

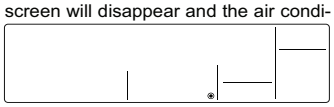
The mode number and setting number will stop blinking and remain lit, indicating the end of registration.



* If " - - - " is displayed for both the mode number and setting number and "88 " blinks in the room temperature display area, a transmission error may have occurred. Check to see if there are any sources of noise or interference near the transmission path.

⑨ If you wish to continue to select other functions, repeat steps ③ to ⑧.

⑩ Complete function selection.
Ⓐ Hold down the (FILTER) (mode is 15 to 28) and (TEST) buttons simultaneously for at least 2 seconds.
After a while, the function selection screen will disappear and the air conditioner OFF screen will reappear.



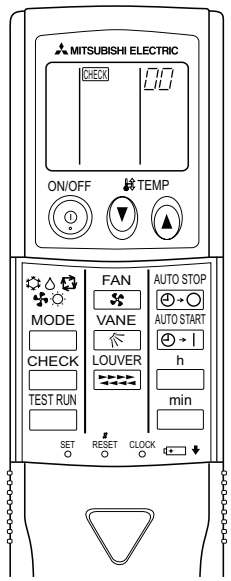
* Do not operate the remote controller for at least 30 seconds after completing function selection. (No operations will be accepted even if they are made.)

Note
If a function of an indoor unit is changed by function selection after installation is complete, make sure that a "○" mark, etc., is given in the "Check" column of Table 1 to indicate the change.

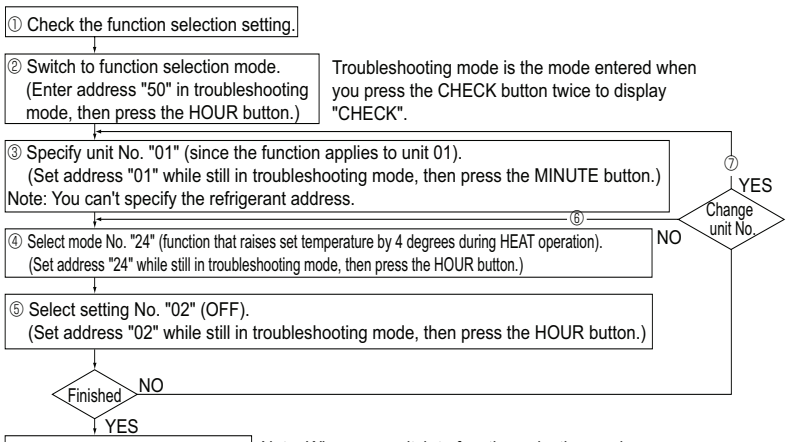
12-1-2. Selecting functions using the wireless remote controller (Type C)

Functions can be selected with the wireless remote controller. Function selection using wireless remote controller is available only for refrigerant system with wireless function. Refrigerant address cannot be specified by the wireless remote controller.

[Flow of function selection procedure]



The flow of the function selection procedure is shown below. This example shows how to turn off the function that raises the set temperature by 4 degrees during HEAT operation.
The procedure is given after the flow chart.



Note: When you switch to function selection mode on the wireless remote controller's operation area, the unit ends function selection mode automatically if nothing is input for 10 minutes or longer.

[Operating instructions]

① Check the function settings.

② Press the CHECK button twice continuously. → CHECK is lit and “00” blinks.
Press the temp button once to set “50”. Direct the wireless remote controller toward the receiver of the indoor unit and press the h button.

③ Set the unit number.
Press the temp button to set the unit number. (Press “01” to specify the indoor unit whose unit number is 01.)
Direct the wireless remote controller toward the receiver of the indoor unit and press the min button.
(By setting unit number with the min button, specified indoor unit starts performing fan operation.
Detect which unit is assigned to which number using this function. If unit number is set to AL, all the indoor units in same refrigerant system start performing fan operation simultaneously.)

* If a unit number that cannot be recognized by the unit is entered, 3 beeps of 0.4 seconds will be heard. Reenter the unit number setting.
* If the signal was not received by the sensor, you will not hear a beep or a “double ping sound” may be heard. Reenter the unit number setting.

④ Select a mode.
Press the temp button to set a mode. Press “24” to turn on the function that raises the set temperature by 4 degree during heat operation. Direct the wireless remote controller toward the sensor of the indoor unit and press the h button.
→ The sensor-operation indicator will blink and beeps will be heard to indicate the current setting number.
Current setting number: 1 = 1 beep (one second)
2 = 2 beeps (one second each)
3 = 3 beeps (one second each)

* If a mode number that cannot be recognized by the unit is entered, 3 beeps of 0.4 seconds will be heard. Reenter the mode number.
* If the signal was not received by the sensor, you will not hear a beep or a “double ping sound” may be heard. Reenter the mode number.

⑤ Select the setting number.
Press the temp button to select the setting number. (02: Not available)
Direct the wireless remote controller toward the receiver of the indoor unit and press the h button.
→ The sensor-operation indicator will blink and beeps will be heard to indicate the setting number.
Setting number: 1 = 2 beeps (0.4 seconds each)
2 = 2 beeps (0.4 seconds each, repeated twice)
3 = 2 beeps (0.4 seconds each, repeated 3 times)

* If a setting number that cannot be recognized by the unit is entered, the setting will turn back to the original setting.
* If the signal was not received by the sensor, you will not hear a beep or a “double ping sound” may be heard. Reenter the setting number.

⑥ Repeat steps ④ and ⑤ to make an additional setting without changing unit number.

⑦ Repeat steps ③ to ⑤ to change unit number and make function settings on it.

⑧ Complete the function settings
Press button.

* Do not use the wireless remote controller for 30 seconds after completing the function setting.

12-2. FUNCTION SELECTION OF REMOTE CONTROLLER

The setting of the following remote controller functions can be changed using the remote controller function selection mode.
Change the setting when needed.

Item 1	Item 2	Item 3 (Setting content)
1.Change language ("CHANGE LANGUAGE")	Language setting to display	• Display in multiple languages is possible.
2.Function limit ("FUNCTION SELECTION")	(1) Operation function limit setting (operation lock) ("LOCKING FUNCTION")	• Setting the range of operation limit (operation lock)
	(2) Use of automatic mode setting ("SELECT AUTO MODE")	• Setting the use or non-use of "automatic" operation mode
	(3) Temperature range limit setting ("LIMIT TEMP FUNCTION")	• Setting the temperature adjustable range (maximum, minimum)
3.Mode selection ("MODE SELECTION")	(1) Remote controller main/sub setting ("CONTROLLER MAIN/SUB")	• Selecting main or sub remote controller * When two remote controllers are connected to one group, one controller must be set to sub.
	(2) Use of clock setting ("CLOCK")	• Setting the use or non-use of clock function
	(3) Timer function setting ("WEEKLY TIMER")	• Setting the timer type
	(4) Contact number setting for error situation ("CALL.")	• Contact number display in case of error • Setting the telephone number
4.Display change ("DISP MODE SETTING")	(1) Temperature display ℃/°F setting ("TEMP MODE ℃/°F")	• Setting the temperature unit (℃ or °F) to display
	(2) Room air temperature display setting ("ROOM TEMP DISP SELECT")	• Setting the use or non-use of the display of indoor (room) air temperature
	(3) Automatic cooling/heating display setting ("AUTO MODE DISP C/H")	• Setting the use or non-use of the display of "Cooling" or "Heating" display during operation with automatic mode

[Function selection flowchart] Refer to next page.
[1] Stop the air conditioner to start remote controller function selection mode. ➔ [2] Select from item1. ➔ [3] Select from item2. ➔ [4] Make the setting. (Details are specified in item3) ➔ [5] Setting completed. ➔ [6] Change the display to the normal one. (End)

[Detailed setting]

[4] -1. CHANGE LANGUAGE setting

The language that appears on the dot display can be selected.

- Press the [◴MENU] button to change the language.

① Japanese (JP), ② English (GB), ③ German (D), ④ Spanish (E), ⑤ Russian (RU), ⑥ Italian (I), ⑦ Chinese (CH), ⑧ French (F)

[4] -2. Function limit

(1) Operation function limit setting (operation lock)

- To switch the setting, press the [◴ON/OFF] button.

① no1 : Operation lock setting is made on all buttons other than the [① ON/OFF] button.
② no2 : Operation lock setting is made on all buttons.
③ OFF (Initial setting value) : Operation lock setting is not made

* To make the operation lock setting valid on the normal screen, it is necessary to press buttons (Press and hold down the [FILTER] and [① ON/OFF] buttons at the same time for 2 seconds.) on the normal screen after the above setting is made.

(2) Use of automatic mode setting

When the remote controller is connected to the unit that has automatic operation mode, the following settings can be made.

- To switch the setting, press the [◴ON/OFF] button.

① ON (Initial setting value) : The automatic mode is displayed when the operation mode is selected.
② OFF : The automatic mode is not displayed when the operation mode is selected.

(3) Temperature range limit setting

After this setting is made, the temperature can be changed within the set range.

- To switch the setting, press the [◴ ON/OFF] button.

① LIMIT TEMP COOL MODE :
The temperature range can be changed on cooling/dry mode.
② LIMIT TEMP HEAT MODE :
The temperature range can be changed on heating mode.
③ LIMIT TEMP AUTO MODE :
The temperature range can be changed on automatic mode.
④ OFF (initial setting) : The temperature range limit is not active.

* When the setting, other than OFF, is made, the temperature range limit setting on cooling, heating and automatic mode is made at the same time. However the range cannot be limited when the set temperature range has not changed.

- To increase or decrease the temperature, press the [TEMP (▽) or (△)] button.
- To switch the upper limit setting and the lower limit setting, press the [ ] button. The selected setting will flash and the temperature can be set.
- Settable range

Cooling/Dry mode :	Lower limit: 19 ℃ ~ 30℃,	67°F~87°F
	Upper limit: 30 ℃ ~ 19℃,	87°F~67°F
Heating mode :	Lower limit: 17 ℃ ~ 28℃,	63°F~83°F
	Upper limit: 28 ℃ ~ 17℃,	83°F~63°F
Automatic mode :	Lower limit: 19 ℃ ~ 28℃,	67°F~83°F
	Upper limit: 28 ℃ ~ 19℃,	83°F~67°F

[4] -3. Mode selection setting

(1) Remote controller main/sub setting

- To switch the setting, press the [◴ON/OFF] button.

① Main : The controller will be the main controller.
② Sub : The controller will be the sub controller.

(2) Use of clock setting

- To switch the setting, press the [◴ON/OFF] button.

① ON : The clock function can be used.
② OFF : The clock function cannot be used.

(3) Timer function setting

- To switch the setting, press the [◴ON/OFF] button (Choose one of the followings.).

① WEEKLY TIMER (initial setting): The weekly timer can be used.
② AUTO OFF TIMER: The auto off timer can be used.
③ SIMPLE TIMER: The simple timer can be used.
④ TIMER MODE OFF: The timer mode cannot be used.

* When the use of clock setting is OFF, the "WEEKLY TIMER" cannot be used.

(4) Contact number setting for error situation

- To switch the setting, press the [◴ON/OFF] button.

① CALL OFF : The set contact numbers are not displayed in case of error.
② CALL **** *** **** : The set contact numbers are displayed in case of error.
CALL_ : The contact number can be set when the display is as shown on the left.

- Setting the contact numbers

To set the contact numbers, follow the following procedures.
Move the flashing cursor to set numbers. Press the [TEMP. (▽) and (△)] button to move the cursor to the right (left). Press the [◴CLOCK (▽) and (△)] button to set the numbers.

[4] -4. Display change setting

(1) Temperature display ℃/°F setting

- To switch the setting, press the [◴ ON/OFF] button.

① ℃ : The temperature unit ℃ is used.
② °F: The temperature unit °F is used.

(2) Room air temperature display setting

- To switch the setting, press the [◴ON/OFF] button.

① ON : The room air temperature is displayed.
② OFF : The room air temperature is not displayed.

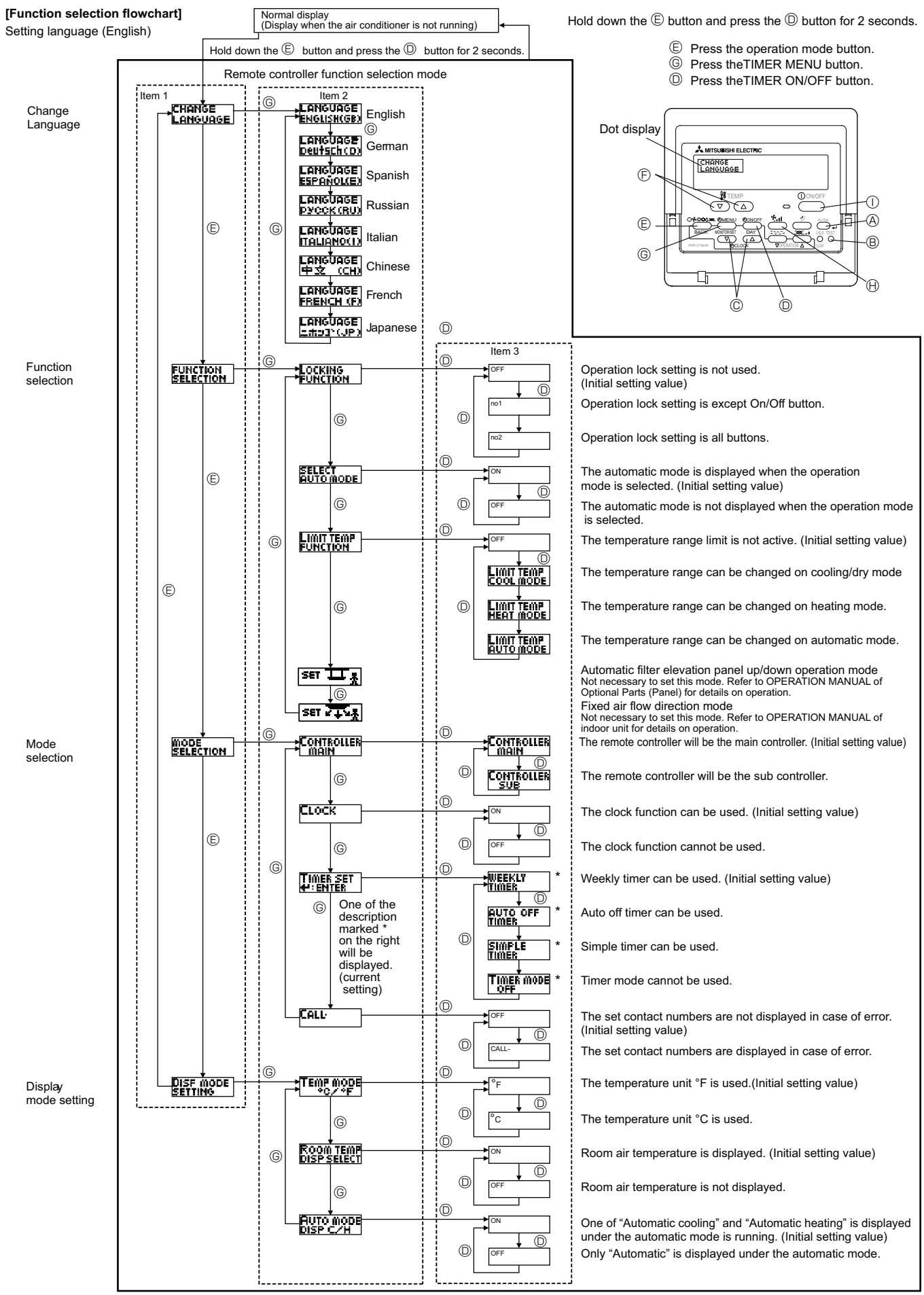
(3) Automatic cooling/heating display setting

- To switch the setting, press the [◴ON/OFF] button.

① ON : One of "Automatic cooling" and "Automatic heating" is displayed under the automatic mode is running.
② OFF : Only "Automatic" is displayed under the automatic mode.

[Function selection flowchart]

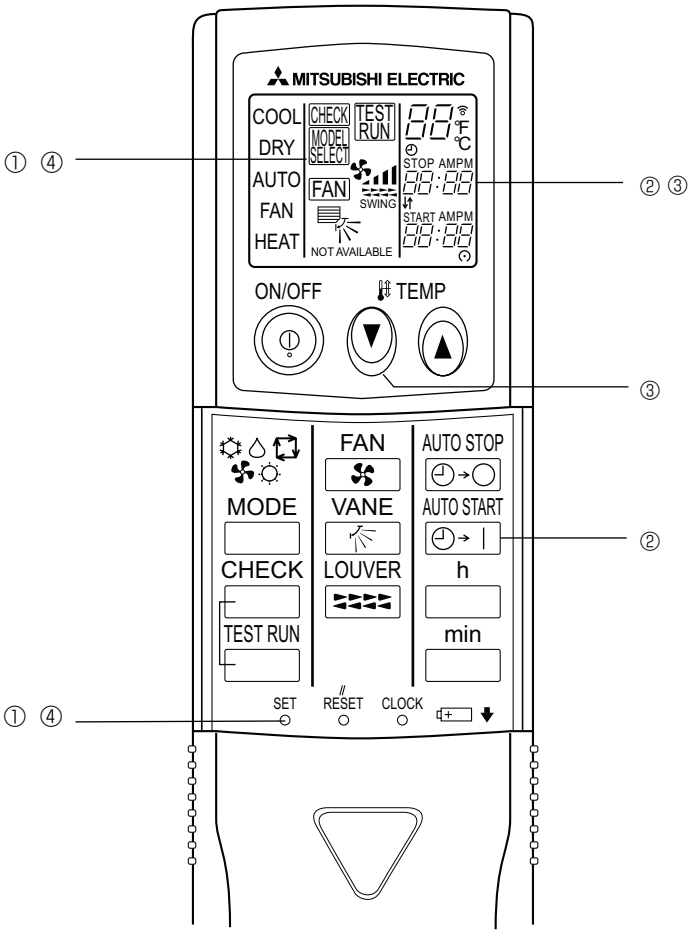
Setting language (English)



12-3. Function selection of wireless remote controller
TEMPERATURE DISPLAY ℃/°F SETTING (Change of temp mode from °F to ℃)

① Press the set button with something sharp at the end. MODEL SELECT blinks.

② Press the AUTO START button. “F:” blinks.

③ Press the ▼ button. “C:” blinks.

④ Press the set button with something sharp at the end. MODEL SELECT is lighted for 3 seconds, then turned off.