

MITSUBISHI ELECTRIC

For Packaged Air Conditioner

Wireless Remote Controller Installation Manual

PAR-FL32MA

This installation manual contains only the description of how to install the wireless remote controller unit PAR-FL32MA.

For your safety, first be sure to read "1 Safety Precautions" described below thoroughly and then install the wireless remote controller unit PAR-FL32MA correctly.

1 Safety Precautions

- The following two symbols are used to denote dangers that may be caused by incorrect use and their degree:

WARNING	This symbol denotes what could lead to serious injury or death if you misuse the PAR-FL32MA.
CAUTION	This symbol denotes what could lead to a personal injury or damage to your property if you misuse the PAR-FL32MA.

- After reading this installation manual, keep it in a place where the final user can see it anytime.
- When someone moves, repairs or uses the PAR-FL32MA, make sure that this manual is forwarded to the final user.

WARNING	
Ask your dealer or technical representative to install the unit. Any deficiency caused by your own installation may result in an electric shock or fire. Install in a place which is strong enough to withstand the weight of the PAR-FL32MA. Any lack of strength may cause the PAR-FL32MA to fall down, resulting in personal injury. Never modify or repair the PAR-FL32MA by yourself. Any deficiency caused by your modification or repair may result in an electric shock or fire. Consult with your dealer about repairs.	Ensure that installation work is done correctly following this installation manual. Any deficiency caused by installation may result in an electric shock or fire. All electrical work must be performed by a licensed technician, according to local regulations and the instructions given in this manual. Any lack of electric circuit or any deficiency caused by installation may result in an electric shock or fire. Do not move and re-install the PAR-FL32MA yourself. Any deficiency caused by installation may result in an electric shock or fire. Ask your distributor or special vendor for moving and installation. To dispose of this product, consult your dealer.

CAUTION	
Do not install in any place exposed to flammable gas leakage. Flammable gases accumulated around the body of PAR-FL32MA may cause an explosion. Do not use in any special environment. Using in any place exposed to oil (including machine oil), steam and sulfuric gas may deteriorate the performance significantly or give damage to the component parts. Do not wash with water. Doing so may cause an electric shock or a malfunction. Do not install in any place at a temperature of more than 40 °C (104 °F) or less than 0 °C (32 °F) or exposed to direct sunlight.	Do not install in any steamy place such a bathroom or kitchen. Avoid any place where moisture is condensed into dew. Doing so may cause an electric shock or a malfunction. Do not install in any place where acidic or alkaline solution or special spray are often used. Doing so may cause an electric shock or a malfunction. Do not touch any circuit board with your hands or with tools. Do not allow dust to collect on the circuit board. Doing so may cause fire or an electric shock. Do not touch any control button with your wet hands. Doing so may cause an electric shock or a malfunction. Do not press any control button using a sharp object. Doing so may cause an electric shock or a malfunction.

2 Confirming the Supplied Parts

Check that the box includes the following parts in addition to this installation manual:

Parts Name	Quantity
Wireless remote controller	1
Remote controller holder	1
AAA alkaline battery	2
Tapping screws 4 × 16	2
Instruction book	2

Only use AAA batteries (LR03). Replace low batteries with new AAA batteries (LR03). Observe the polarity of the batteries as indicated, and insert the negative end first.

3 Installation

- Use the remote controller holder that is provided to avoid misplacing the remote controller.
- Install the remote controller in a location that meets the following conditions.
 - Out of the direct sun light
 - Away from any heat sources
 - Out of the airflow from the air conditioner (cool or warm)
 - Where the operation of the remote controller can easily be performed and the display is readily visible to the user
 - Out of the reach of small children

NOTES:

- If there is a fluorescent light in the room in which the air conditioner is to be installed, turn it on and make sure that the signal from the remote controller can be received by the indoor unit from the intended installation location. When the signal receiving unit receives a signal from the remote controller, a short beeping sound will be heard.

If the air conditioner unit is installed in a room in which a fluorescent light on an electronic lighting control system (i.e., inverter light) is installed, signal interference may occur.

- Maximum signal receiving distance is approximately 7 meters (Approx. 22 feet). Signal receiving angle is approximately 45 degrees to the right and the left from the center.

- Install the unit at least 1 meter (Approx. 3 feet) away from the TV or radio.

(If the unit is installed too close to these appliances, signal interference (picture distortion and noise) may occur.)

- Use the tapping screws that are provided to mount the remote controller holder on the wall, and then place the remote controller in the holder.

NOTES:

- Some older versions of signal receiving unit may not respond to the signals from the remote controller that correspond to the following functions. If this happens, set the model setting on the remote controller to "Standard 2 °F" as shown in section "4 Model Setting."

<Functions not supported by older versions of signal receiving unit >

- Temperature setting in 1 °F increments.
- Control operations that are performed on the controller with the setting other than "Standard 2 °F".

4 Model Setting

Model setting must be made to control indoor units.

Register the model of the indoor unit to be controlled on the Model Select menu. Correct indoor unit model must be registered on the remote controller to control the indoor unit. Collectively set items need to be set for each group of indoor units with the same pattern of functions. Individually set items usually do not need to be changed.

Remote controller setting

There are three ways to make remote controller settings as follows.

- Check the model of the indoor unit to be controlled from the wireless remote controller, and find the corresponding model number of the wireless remote controller in the table of model numbers. (Collective setting)
- If the name of the indoor unit to be controlled is not listed in the table of model numbers, check the available functions of the indoor unit in a technical manual and follow one of the following procedures to make the settings for the remote controller.
 - Model No. Find the model number of the unit that has the same functions as the unit to be installed and register that model number (Collective setting).
 - Model No. Make the setting for certain functions individually without referring to the table (Individual setting).
- Whether items 1 or 2 above apply or not, when the settings must be made for items that cannot be set collectively, make the settings for those items individually.

→ Step 1

→ Step 2

→ Step 3

→ Step 3

Setting items

There are two types of setting items

- Collectively set items

Individually set items

Items that can be set collectively can also be set individually. (If the setting for each item is individually entered, the model number that corresponds to the same pattern of settings will appear on the display.)

<Collectively and individually set items>		Individual setting	Initial setting	Remarks
Collectively set items	Setting items	Collective setting		
	No. of fan speeds	Yes	4 speeds	When the model number is available, these settings do not need to be set individually.
	Lower swing	Yes	Disabled	The initial setting for the model setting is "No. 001."
	Vane	Yes	Auto swing enabled	
	Operation mode	Yes	Heat pump mode *1	
	Auto fan speed control	No	Disabled	These settings cannot be set collectively and must be set individually.
Individually set items	Preset temperature	No	Settable	Make the setting as necessary.
	Temperature display in °C and °F	No	Centigrade	Changing the setting for these items does not change the model number that appears on the remote controller.
	Pair No.	No	0	These items are not automatically set when the settings for collectively set items are made.
	Model	No	Standard model	

*1: Cool/Dry/Auto/Fan/Heat

Step 1

- Check the model of the indoor unit to be controlled from the wireless remote controller.
- Refer to the table of model numbers and find the model number that corresponds to the model of indoor unit to be controlled. Make the settings according to the operation procedures.

Cooling/ heating type		Model No.	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system	Cooling/ heating type	Model No.	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system
Cooling/ heating type	Cooling/ heating type	001	PLFY-AM model		Cooling only type (Cool/Dry/Fan)	033	PLFY-AM model	
			PLFY-JM model				PLFY-JM model	
			PMFY-BM model				PMFY-BM model	
			PCFY-GM model				PCFY-GM model	
			PCFY-AM model				PCFY-AM model	
			PKFY-GM model				PKFY-GM model	
		002	PLFY-LMD (22~112) model			034	PLFY-LMD (22~112) model	
		009	PLFY-LMD (140) model			041	PLFY-LMD (140) model	
		015	PMFY-EM model			047	PMFY-EM model	
		017	PDFY-M (22~80) model			049	PDFY-M (22~80) model	
Cooling/ heating type	Cooling/ heating type		PCFY-HM model		Cooling only type (Cool/Dry/Fan)	051	PCFY-HM model	
			PEFY-AM model				PEFY-AM model	
			PEFY-M (45~160) model				PEFY-M (45~160) model	
			PEFY-LEM model				PEFY-LEM model	
			PEFY-LRM model				PEFY-LRM model	
		020	PEFY-M (224~280) model			052	PEFY-M (224~280) model	
			PEFY-DM model				PEFY-DM model	
		023	PSFY-GM model			055	PSFY-GM model	

Note 1: If the settings that are related to the remote controller operation are changed on the function selection menu, make the setting for the model number by referring to the table of model numbers.

Note 2: Some indoor units with the same model name may have different functions, depending on the capacity type and production year. Refer to the applicable technical document to confirm the functions that are available to a given unit, and make an appropriate setting for the model number according to the table of model numbers.

Note 3: To set the model number for the indoor unit that is not listed in the table above, check the functions that are available to it in the applicable technical document, and make an appropriate setting for the model number according to the table of model numbers.

[Setting Procedures]	
1. Push the SET button with a pointed but not sharp object.	• MODE SELECT will blink, and model number "001" will be lit. (It is set to "001" at factory shipment.)
2. Use the TEMP button to set the model number.	• If an error is made, press the ON/OFF button to cancel, and enter the model number again.
3. Press the set button again with a pointed but not sharp object.	• MODE SELECT and the model number that was entered will stay lit for three seconds and then go off.
• Press the ON/OFF button to turn on the remote controller display, and confirm that the model number is correctly set.	

Step 2

- Refer to the applicable technical document to confirm the functions that are available to a given unit, and make an appropriate setting by finding the model number that corresponds to the pattern of those available functions.
- Setting procedures are the same for those listed under Step 1.

Cooling/ heating type		Model number	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system	Cooling/ heating type	Model number	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system
Cooling/ heating type	Cooling/ heating type	001	PLFY-AM model		Cooling only type (Cool/Dry/Fan)	033	PLFY-AM model	
			PLFY-JM model				PLFY-JM model	
			PMFY-BM model				PMFY-BM model	
			PCFY-GM model				PCFY-GM model	
			PCFY-AM model				PCFY-AM model	
			PKFY-GM model				PKFY-GM model	
		002	PLFY-LMD (22~112) model			034	PLFY-LMD (22~112) model	
		009	PLFY-LMD (140) model			041	PLFY-LMD (140) model	
		015	PMFY-EM model			047	PMFY-EM model	
		017	PDFY-M (22~80) model			049	PDFY-M (22~80) model	
Cooling/ heating type	Cooling/ heating type		PCFY-HM model		Cooling only type (Cool/Dry/Fan)	051	PCFY-HM model	
			PEFY-AM model				PEFY-AM model	
			PEFY-M (45~160) model				PEFY-M (45~160) model	
			PEFY-LEM model				PEFY-LEM model	
			PEFY-LRM model				PEFY-LRM model	
		020	PEFY-M (224~280) model			052	PEFY-M (224~280) model	
			PEFY-DM model				PEFY-DM model	
		023	PSFY-GM model			055	PSFY-GM model	

1

3

Cooling/ heating type		Model number	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system	Cooling/ heating type	Model number	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system
Cooling/ heating type	Cooling/ heating type	001	PLFY-AM model		Cooling only type (Cool/Dry/Fan)	033	PLFY-AM model	
			PLFY-JM model				PLFY-JM model	
			PMFY-BM model				PMFY-BM model	
			PCFY-GM model				PCFY-GM model	
			PCFY-AM model				PCFY-AM model	
			PKFY-GM model				PKFY-GM model	
		002	PLFY-LMD (22~112) model			034	PLFY-LMD (22~112) model	
		009	PLFY-LMD (140) model			041	PLFY-LMD (140) model	
		015	PMFY-EM model			047	PMFY-EM model	
		017	PDFY-M (22~80) model			049	PDFY-M (22~80) model	
Cooling/ heating type	Cooling/ heating type		PCFY-HM model		Cooling only type (Cool/Dry/Fan)	051	PCFY-HM model	
			PEFY-AM model				PEFY-AM model	
			PEFY-M (45~160) model				PEFY-M (45~160) model	
			PEFY-LEM model				PEFY-LEM model	
			PEFY-LRM model				PEFY-LRM model	
		020	PEFY-M (224~280) model			052	PEFY-M (224~280) model	
			PEFY-DM model				PEFY-DM model	
		023	PSFY-GM model			055	PSFY-GM model	

Cooling/ heating type		Model number	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system	Cooling/ heating type	Model number	Indoor unit model name (Only the prototypes are shown.)	CITY MULTI system
Cooling/ heating type	Cooling/ heating type	001	PLFY-AM model		Cooling only type (Cool/Dry/Fan)	033	PLFY-AM model	
			PLFY-JM model				PLFY-JM model	
			PMFY-BM model				PMFY-BM model	
			PCFY-GM model				PCFY-GM model	
			PCFY-AM model				PCFY-AM model	
			PKFY-GM model				PKFY-GM model	
		002	PLFY-LMD (22~112) model			034	PLFY-LMD (22~112) model	
		009	PLFY-LMD (140) model			041	PLFY-LMD (140) model	
		015	PMFY-EM model			047	PMFY-EM model	
		017	PDFY-M (22~80) model			049	PDFY-M (22~80) model	
Cooling/ heating type	Cooling/ heating type		PCFY-HM model		Cooling only type (Cool/Dry/Fan)	051	PCFY-HM model	
			PEFY-AM model				PEFY-AM model	
			PEFY-M (45~160) model				PEFY-M (45~160) model	
			PEFY-LEM model				PEFY-LEM model	
			PEFY-LRM model				PEFY-LRM model	
		020	PEFY-M (224~280) model			052	PEFY-M (224~280) model	
			PEFY-DM model				PEFY-DM model	
		023	PSFY-GM model			055	PSFY-GM model	

		Model number																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1.Fan speed	① 4 speeds																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

8