MITSUBISHI ELECTRIC Inverter
Sales and Service

No. 843E

Firmware Update for the FR-A800, FR-A800 Plus, and FR-F800 Series Inverters

Thank you for your continued patronage of Mitsubishi Electric drive control products.
The firmware of the FR-A800, FR-A800 Plus, and FR-F800 series inverters will be updated to improve functionality.

1. Products Affected

FR-A800(-E/-GF/-GN)
FR-A802(-E/-GF/-GN)
FR-A806(-E)
FR-A800(-E)-CRN
FR-A802(-E)-CRN
FR-A800(-E)-LC
FR-A840M(-E)
FR-A842M(-E)

FR-F800(-E)
FR-F802(-E)
FR-F806(-E)

2. Details of Change

(1) Supporting the brake sequence function during position control (FR-A800 and FR-A800 Plus series only)
The brake sequence function, conventionally available only during speed control, can also be available during position control (point table only).

(2) Supporting the pre-heat function for induction motors (FR-F800 series only)
The pre-heat function, supported for PM motors by firmware version 342, will be supported for induction motors.

For the pre-heat function, refer to Sales and Service No. 803E.
Sales and Service No.803

Date of issue	January 2026	Title	Firmware Update for the FR-A800, FR-A800 Plus, and FR-F800 Series Inverters	Mitsubishi Electric Corp., Nagoya Works 5-1-14 Yada-minami, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line

(3) Command source setting when the HMS network option is used

Extended setting range of Pr.349 (Communication reset selection/Ready bit status selection/Reset selection after inverter faults are cleared/DriveControl writing restriction selection) and addition of N243 will enable the command source selection.

When "1" is set in N243 or in the tens place of the Pr.349 setting value, the start command source and frequency command source are selected according to the settings of Pr.338 (Communication operation command source) and Pr.339 (Communication speed command source).*4

Setting value						Description				
Pr.349	N010	N243	N240	N241	N242	Communication reset	Command source	Ready bit status	Operation after inverter faults are cleared	DriveControl writing
0	0	0	0	0	0	Enabled	Communication *1*2	ON	Reset	Not restricted
1	1	0	0	0	0	Disabled				
10	0	1	0	0	0	Enabled	Pr.338/ Pr.339*3			
11	1	1	0	0	0	Disabled				
100	0	0	1	0	0	Enabled	Communication *1*2	OFF		
101	1	0	1	0	0	Disabled				
110	0	1	1	0	0	Enabled	Pr.338/ Pr.339*3			
111	1	1	1	0	0	Disabled				
1000	0	0	0	1	0	Enabled	Communication *1*2	ON	Not reset	
1001	1	0	0	1	0	Disabled				
1010	0	1	0	1	0	Enabled	Pr.338/ Pr.339*3			
1011	1	1	0	1	0	Disabled				
1100	0	0	1	1	0	Enabled	Communication *1*2	OFF		
1101	1	0	1	1	0	Disabled				
1110	0	1	1	1	0	Enabled	Pr.338/ Pr.339*3			
1111	1	1	1	1	0	Disabled				
10000	0	0	0	0	1	Enabled	Communication *1*2	ON	Reset	Restricted
10001	1	0	0	0	1	Disabled				
10010	0	1	0	0	1	Enabled	Pr.338/ Pr.339*3			
10011	1	1	0	0	1	Disabled				
10100	0	0	1	0	1	Enabled	Communication *1*2	OFF		
10101	1	0	1	0	1	Disabled				
10110	0	1	1	0	1	Enabled	Pr.338/ Pr.339*3			
10111	1	1	1	0	1	Disabled				
11000	0	0	0	1	1	Enabled	Communication *1*2	ON	Not reset	
11001	1	0	0	1	1	Disabled				
11010	0	1	0	1	1	Enabled	Pr.338/ Pr.339*3			
11011	1	1	0	1	1	Disabled				
11100	0	0	1	1	1	Enabled	Communication *1*2	OFF		
11101	1	0	1	1	1	Disabled				
11110	0	1	1	1	1	Enabled	Pr.338/ Pr.339*3			
11111	1	1	1	1	1	Disabled				

*1・For EtherCAT, the command source is fixed to communication.

・For PROFINET or PROFIBUS-DPV1, the command source is determined by the Control By PLC setting in STW1.

0: External command source, 1: Communication command source

・When using instances 21 and 23 for EtherNet/IP, the command source is determined by the settings of NetRef and NetCtrl.

0: External command source, 1: Communication command source

When using instances 20 and 22, the command source is fixed to communication.

*2 When Pr.339 = "2", the frequency command source is determined by the setting in Pr.339.
*3 For EtherNet/IP, the operation is the same as the one when N243 = "0".
*4 The command source selection by N243 is enabled when the following HMS network option is used.

Model	Application
A8NEIP	EtherNet/IP
A8NPRT	PROFINET
A8NDPV1	PROFIBUS-DP
A8NECT	EtherCAT

3. Date of Change

Country of origin	Date of change
MADE IN JAPAN	The change will be sequentially applied to the February 2026 production or later.
MADE IN CHINA	The change will be sequentially applied to the March 2026 production or later.

4. Product Identification

The SERIAL (determined by date of production) can be checked on the rating plate or packaging plate.

SERIAL example on rating plate

□ 6 2 ○○○○○○
Symbol Year Month Control number

SERIAL

SERIAL example on packaging plate

□ 6 2 ○○○
Symbol Year Month Control number

SERIAL

The SERIAL consists of one symbol, two characters indicating the production year and month, and the control number (six characters for the rating plate, three characters for the packaging plate).
The last digit of the production year is indicated as the Year, and the Month is indicated by 1 to 9, X (October), Y (November), or Z (December).

5. Firmware Version

The inverter firmware version to which the change described will be applied is as follows:

Series	Firmware version
FR-A800 FR-A800 Plus	46 or later
FR-F800	346 or later

Firmware can be downloaded from the following website.
Search for Software for Drive Products Inverters - Firmware - INVERTER - FR-A800 Series
Search for Software for Drive Products Inverters - Firmware - INVERTER - FR-A800 Plus Series
Search for Software for Drive Products Inverters - Firmware - INVERTER - FR-F800 Series

For how to install the downloaded firmware, refer to the FR Configurator2 (SW1DND-FRC2-E) Instruction Manual (IB-0600516ENG).

* For the FR-A840M(-E) and FR-A842M(-E), provision of the firmware alone is not available.