MITSUBISHI ELECTRIC Inverter
Sales and Service

No. 857E

Version Update of the General-Purpose Inverter Option FR Configurator2 (Inverter Setup Software)

Thank you for your continued patronage of Mitsubishi Electric drive control products.
The general-purpose inverter option FR Configurator2 (inverter setup software) will be updated.

1. Details of the Version Update

(1) Addition of models compatible with the convert function
The convert function of parameters will be available between the FR-F700PJ and the FR-D800.

(2) Specification changes for parameter setting conversion by the convert function
Parameter conversion specifications when converting from the FR-E700EX series to the FR-E800 series will be improved.
The conversion specification changes due to this version update are as follows.

1. Conversion specifications for the previous version

Pr.	Name	Version 1.35M	
		FR-E700EX settings before conversion	FR-E800 settings after conversion
52	FR-E700EX: DU/PU main display data selection FR-E800: Operation panel main monitor selection	36: Ideal speed command 37: Speed command	Not converted.
54	FM terminal function selection		
785	FR-E700EX: PM control torque boost FR-E800: Increased magnetic excitation current level	0% to 150%, 9999	Same as the source inverter's setting.
795	FR-E700EX: DC brake torque boost FR-E800: DC injection brake operation current level	0% to 150%, 9999	Same as the source inverter's setting.
800 *1	Control method selection	1) 10: Speed control 2) 13: Position control 3) 14: Speed control / position control switchover The conversion result depends on the setting of Pr.71 (Applied motor). (1) Pr.71 = “1040” (S-PM geared motor) (2) Pr.71 = "460 or 470" (MM-BF), "8090" (IPM motor), "9090" (SPM motor)	1) - (1) 210: Speed control (PM sensorless vector control (E700EX compatible mode)) 1) - (2) 10: Speed control (same as the source inverter's setting) 2) - (1) 213: Position control (PM sensorless vector control (E700EX compatible mode)) 2) - (2) 13: Position control (same as the source inverter's setting) 3) - (1) 214: Speed control / position control switchover (PM sensorless vector control (E700EX compatible mode)) 3) - (2) 14: Speed control / position control switchover (same as the source inverter's setting)

*1 When Pr.71 (Applied motor) is set as follows for the FR-E700EX, the conversion specifications for Pr.800 (Control method selection) will be changed.
Pr.71 = "460 or 470" (MM-BF), "1040" (S-PM geared motor), "8090" (IPM motor), or "9090" (SPM motor)

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2. Conversion specifications for this version

Pr.	Name	Version 1.36N	
		FR-E700EX settings before conversion	FR-E800 settings after conversion
52	FR-E700EX: DU/PU main display data selection FR-E800: Operation panel main monitor selection	1) 36: Ideal speed command 2) 37: Speed command	1) 65: Ideal speed command 2) 66: Speed command
54	FM terminal function selection		
785	FR-E700EX: PM control torque boost FR-E800: Increased magnetic excitation current level	1) When "9999" is set, the conversion result depends on the setting of Pr.71 (Applied motor). 1) - (1) Pr.71 ≠ "1040" (other than S-PM geared motor) 1) - (2) Pr.71 = "1040" (S-PM geared motor) 2) 0% to 150%	1) - (1) 9999 (same as the source inverter's setting) 1) - (2) 120% 2) Source inverter's setting + 20%
795	FR-E700EX: DC brake torque boost FR-E800: DC injection brake operation current level	1) When "9999" is set, the conversion result depends on the setting of Pr.71 (Applied motor). 1) - (1) Pr.71 ≠ "1040" (other than S-PM geared motor) 1) - (2) Pr.71 = "1040" (S-PM geared motor) 2) 0% to 150%	1) - (1) 9999 (same as the source inverter's setting) 1) - (2) 70% 2) Source inverter's setting + 20%
800 *1	Control method selection	10: Speed control 13: Position control 14: Speed control / position control switchover	10: Speed control

*1 When Pr.71 (Applied motor) is set as follows for the FR-E700EX, the conversion specifications for Pr.800 (Control method selection) will be changed.
Pr.71 = "460 or 470" (MM-BF), "1040" (S-PM geared motor), "8090" (IPM motor), or "9090" (SPM motor)

Parameter conversion by the convert function does not guarantee complete compatibility between the source and target inverters.
When using the convert function, refer to the FR Configurator2 Instruction Manual, the Instruction Manuals of the source and target inverters, and the following related document.

[Related document]
- Sales and Service No. 045E
  https://www.mitsubishielectric.co.jp/fa/download/techinfo/search.page?mode=sales&kisyu=/slsv&q=045&style=0&lang=2

(3) Countermeasures against symptoms caused by applying Windows 11 updates
As announced in Technical Bulletin FA-A-0473, an error may occur when installing FR Configurator2, or Developer may fail to start, in an environment where a certain Windows 11 update has been applied.
This version update addresses the above symptoms.

The symptoms can be solved by installing this version. If installation is not available in the environment used, follow the corrective procedures described in Technical Bulletin FA-A-0473.

Technical Bulletin FA-A-0473 is available on the following website.
Engineering Software Programmable Controllers MELSEC Controllers Download | Mitsubishi Electric Global

2. Product Identification

This change applies to the products having the following SERIAL or later on the DVD-ROM and the packaging label.

AN	6	6
Symbol	Year	Month
SERIAL		

The SERIAL consists of two symbols, and two characters indicating the production year and month. 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).

The SERIAL on the packaging label has additional three characters indicating the control number after the four characters above.

3. Date of Change

The change will be applied to the products manufactured in June 2026 or later.