

Supplement for upgrade of the FX3G Series PLCs Ver.1.20 and the FX3U and FX3UC Series PLCs Ver.2.61

This manual summarizes the contents of the version upgrade for Mitsubishi Programmable Controllers of the FX3G, FX3U and FX3UC series. Read this manual together with the following manuals.

Manual name	Manual number
FX3G SERIES USER'S MANUAL - Hardware Edition	JY997D31301
FX3U SERIES USER'S MANUAL - Hardware Edition	JY997D16501
FX3UC SERIES USER'S MANUAL - Hardware Edition	JY997D28701
FX3G/FX3U/FX3UC SERIES PROGRAMMING MANUAL - Basic & Applied Instructions Edition	JY997D16601
FX3G/FX3U/FX3UC SERIES USER'S MANUAL - Analog Control Edition	JY997D16701
FX3U-CF-ADP USER'S MANUAL	JY997D35401

1. Correspondence function and version

Correspondence function	Applicable PLC	Corresponding versions	
		PLC	GX Developer
<ul style="list-style-type: none"> Supports connection of the FX3U-CF-ADP The applied instructions for the FX3U-CF-ADP (6 instructions) are added. FLCRT (FNC300), FLDEL (FNC301), FLWR (FNC302), FLRD (FNC303), FLCMD (FNC304), FLSTRD (FNC305) 	FX3U Series PLC FX3UC Series PLC*1	Ver.2.61	Ver.8.82L or later
<ul style="list-style-type: none"> Supports to hardware error addition of the FX3U-4DA-ADP Supports connection of the FX3U-3A-ADP 	FX3G Series PLC	Ver.1.20	Ver.8.72A or later
	FX3U Series PLC	Ver.2.61	Ver.8.23Z or later
	FX3UC Series PLC*1		Ver.8.18U or later

*1 The FX3UC-32MT-LT-2 PLC is due to be upgraded later.

2. Supports the FX3U-CF-ADP

This section supplements the explanation of the following manuals concerning the system configuration of FX3U and FX3UC series PLCs.

→ **FX3U SERIES USER'S MANUAL - Hardware Edition**
 → **FX3UC SERIES USER'S MANUAL - Hardware Edition**

For the details on the specification, wiring, applied instructions and example programs, etc. of the FX3U-CF-ADP, refer to the following manual.

→ **FX3U-CF-ADP USER'S MANUAL**

- Number of connection
Up to 1 adapter can be connected.
- Caution of FX3U-CF-ADP connection
If the FX3U-CF-ADP is connected to a FX3U series PLC or FX3UC-32MT-LT, the total number of connectable communication special adapter and communication expansion boards will be limited to 1 module.
If the FX3U-CF-ADP is connected to a FX3UC-**MT/D or FX3UC-**MT/DSS, the number of connectable communication special adapters will be limited to 1 module.
An FX3U Series expansion board is necessary to connect the FX3U-CF-ADP, with the FX3U series PLC or FX3UC-32MT-LT.
- Number of input/output occupied points and current consumed

Model name	Number of input/output occupied points	Current consumed (mA)			Current supply at startup (mA)
		5V DC	Internal 24V DC	External 24V DC	
FX3U-CF-ADP	0 points (No need to calculate)	50	0	130	No need to calculate

3. About the addition of the hardware error of the FX3U-4DA-ADP

As for FX3U-4DA-ADPs manufactured in June, 2009 or later, the hardware error (power failure is included) was added to the error status. Furthermore, there is no change in the method of system configuration.

When using the hardware error status of the FX3U-4DA-ADP

The following two conditions should be fulfilled, when using the hardware error status of the FX3U-4DA-ADP. If the two conditions are not fulfilled, this error status cannot be used.

Conditions	
Versions of the used FX3G/FX3U/FX3UC Series PLC	FX3G Series PLC: Ver.1.20 or later FX3U/FX3UC Series PLC: Ver.2.61 or later
The year and month of production of the FX3U-4DA-ADP	June, 2009 or later

For the details on this error, refer to the following manual.

→ FX3G/FX3U/FX3UC SERIES USER'S MANUAL - Analog Control Edition

4. Supports the FX3U-3A-ADP

This section supplements the explanation of the following manuals concerning the system configuration of FX3G, FX3U and FX3UC series PLCs.

→ FX3G SERIES USER'S MANUAL - Hardware Edition

→ FX3U SERIES USER'S MANUAL - Hardware Edition

→ FX3UC SERIES USER'S MANUAL - Hardware Edition

For the details on the specification, wiring and the example program about FX3U-3A-ADP, refer to the following manual.

→ FX3G/FX3U/FX3UC SERIES USER'S MANUAL - Analog Control Edition

4.1 FX3G Series PLC

1) Number of connections

The FX3U-3A-ADP is an analog special adapter. The number of devices that can be connected as follows including other analog special adapters. An FX3G-CNV-ADP is necessary to connect the analog special adapter with the FX3G series PLC.

	Number of connectable expansion boards	Number of connectable analog special adapters	
FX3G series PLC (14/24 point type)	Not connected	1 unit	
	1 unit	Cannot be connected.	
FX3G series PLC (40/60 point type)	Not connected	2 units	
	1 unit	Communication expansion board *1	2 units
		Analog expansion board	1 unit
	2 units *2	Cannot be connected.	

*1 FX3G-8AV-BD included.

*2 Only one FX3G-8AV-BD can be connected to a single PLC main unit.

2) Consumption current of External 24V DC

Model name	External 24V DC current consumed (mA)
FX3U-3A-ADP	90

4.2 FX3U and FX3UC Series PLC

1) Number of connections

FX3U-3A-ADP is an analog special adapter. Up to 4 adapters can be connected including other analog special adapters.

2) Caution on the FX3U-3A-ADP connection

An FX3U Series expansion board is necessary to connect the FX3U-3A-ADP, with a FX3U series PLC or FX3UC-32MT-LT.

3) Number of input/output occupied points and current consumed

Model name	Number of input/output occupied points	Current consumed (mA)			Current supply at startup (mA)
		5V DC	Internal 24V DC	External 24V DC	
FX3U-3A-ADP	0 points (No need to calculate)	20	0	90	No need to calculate