

Sysmac Library for NJ/NX/NY Controller

SYSMAC-XR004

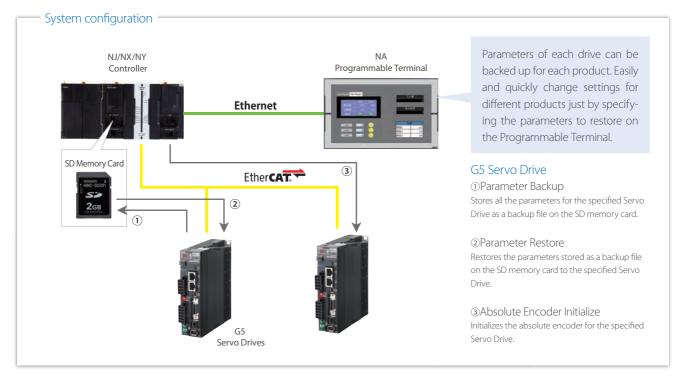
EtherCAT G5 Series Library



	ce servo drive setting and replacement work at changeover, maintenance, peration times.
Issue 1	Operation rates are low due to the time-consuming changes of servo drive settings.
Issue 2	Operation became unstable due to changing settings. It takes time to restore to default or previous settings by using old version files to stabilize operation.
Issue 3	When a broken device is replaced, a PC is required to change parameters.

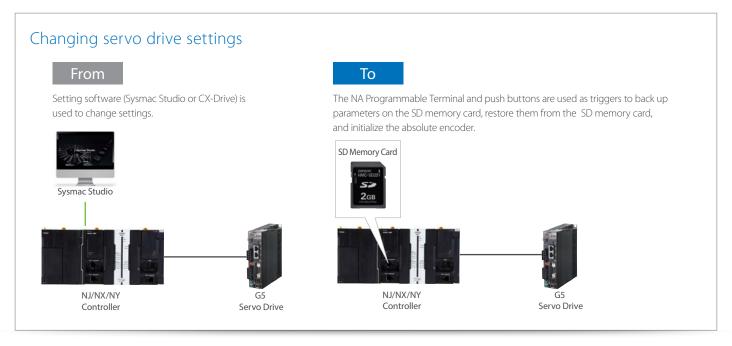
EtherCAT G5 Series Library offers solution!

The Parameter Backup Function Block backs up the parameters for each servo drive individually* (upload settings from the servo drive), and the Parameter Restore Function Block restores them individually (download settings to the servo drive), without connecting to a PC. You can easily change and recover servo drive settings. The Absolute Encoder Initialize Function Block initializes each absolute encoder individually.



^{*}The Backup and Restore functions of the NJ/NX CPU Unit and the NY IPC Machine Controller can back up and restore the parameters for all the nodes at once. The addition of this library allows you to back up and restore the parameters for each node individually.





Compatible Models

Name	Model	Version
	NX701-1□□□/NJ101-□□□□	Version 1.10 or later
M. I.; A.,	NJ501-□□□□/NJ301-□□□□	Version 1.01 or later
Machine Automation Controller NJ/NX CPU Unit	NX1P2-□□□□□(1)	Version 1.13 or later
	NX102-□□□	Version 1.30 or later
	NX502-□□□	Version 1.60 or later
Industrial PC Platform	NY51	Version 1.12 or later
NY IPC Machine Controller	NY5□□-5	Version 1.18 or later
Automation Software Sysmac Studio	SYSMAC-SE2□□□	Version 1.14 or higher
G5 Servo Drive with Built-in EtherCAT Communications	R88D-KN□□□-ECT	Version 2.10 or later
SD Memory Card	HMC-SD□□□	_

Function Block (FB) Specifications

Name	FB name	Description
G5-series Servo Drive Parameter Backup	Backup_G5	Backs up the parameters for a G5 Servo Drive and stores them as a backup file on the SD memory card inserted in the controller.
G5-series Servo Drive Parameter Restore	Restore_G5	Restores the backup file created by the Backup_G5 Function Block on the SD memory card inserted in the controller to a G5 Servo Drive.
G5-series Servo Drive Absolute Encoder Initialize	InitEncoder_G5	Initializes the absolute encoder (clears the multi-rotation counter for the absolute encoder) for a G5 Servo Drive.

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Note: Do not use this document to operate the Unit.

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