

Unit Replacement : NX-SI/NX-SO Safety I/O Units

Steps

① Turn OFF the power supply and replace the device.

② If the replaced Unit has a history of use, clear all memory of the Unit.

* This step is not required if the Unit is in its factory default state.

Detailed Steps

① Turn OFF the power supply and replace the device.

The settings of the Safety I/O Units are downloaded from the Safety CPU Unit at startup, therefore, downloading the settings is not required when replacing the Safety I/O Units.

② If the replaced Unit has a history of use, clear all memory of the Unit.

Execute Clear All Memory according to the procedure below.

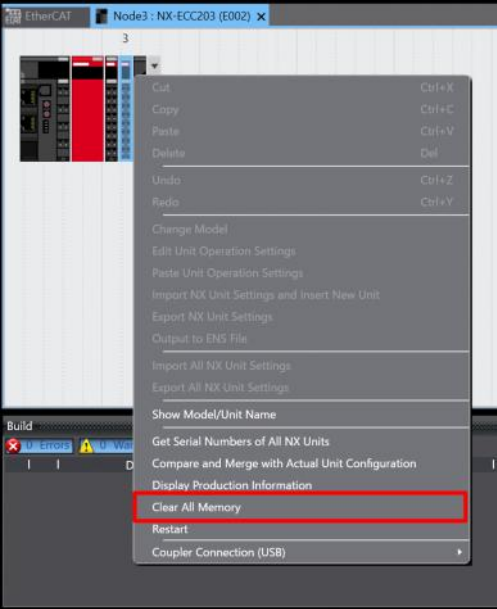
This procedure is not necessary if you use a factory default state Unit. (Replacement is completed with only step ①.)

•Turn ON the power and go online with the Controller.

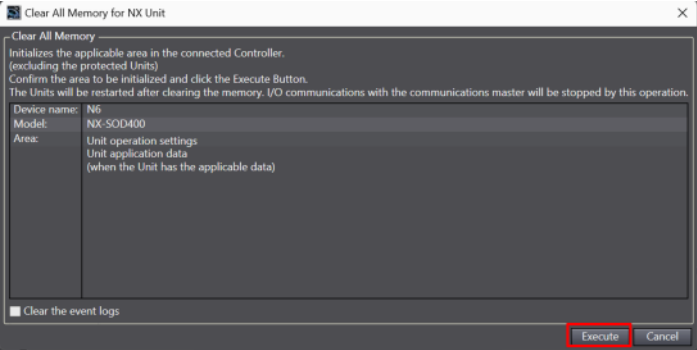
Go online with the Controller by referring to [“Going Online with an NJ/NX Controller”](#).

•Execute Clear All Memory to the target Unit.

You can execute Clear All Memory from the Unit Configuration and Setup Tab Page where the target Unit is included.



The screenshot shows the EtherCAT software interface. A context menu is open over a unit configuration table. The 'Clear All Memory' option is highlighted with a red rectangle. Other options in the menu include Cut, Copy, Paste, Delete, Undo, Redo, Change Model, Edit Unit Operation Settings, Paste Unit Operation Settings, Import NX Unit Settings and Insert New Unit, Export NX Unit Settings, Output to ENS File, Import All NX Unit Settings, Export All NX Unit Settings, Show Model/Unit Name, Get Serial Numbers of All NX Units, Compare and Merge with Actual Unit Configuration, Display Production Information, Restart, and Coupler Connection (USB).



The screenshot shows the 'Clear All Memory for NX Unit' dialog box. It contains the following text: 'Clear All Memory', 'Initialize the applicable area in the connected Controller. (excluding the protected Units)', 'Confirm the area to be initialized and click the Execute Button.', 'The Units will be restarted after clearing the memory. I/O communications with the communications master will be stopped by this operation.' Below this text is a table with the following data: Device name: N6, Model: NX-SOD400, Area: Unit operation settings, Unit application data (when the Unit has the applicable data). At the bottom, there is a checkbox for 'Clear the event logs' and two buttons: 'Execute' and 'Cancel'.