



**Multi-Axis Interface CPX-CMXX Ver-
sion: Rev 06**

Startup behaviour

CPX-CMXX;
CMMP-AS-M0/ M3

TitleMulti-Axis Interface CPX-CMXX Version: Rev 06
Version 1.00
Document no. 100015
Originalen
AuthorFesto

Last saved 02.03.2015

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1 Components/Software used

Type/Name	Version Software/Firmware	Date of manufacture
CMXX-FW	1.2.34-cmxx0-rev-403	2015
CMXX-PlugIn	1.2.1.28	2015
CMMP-AS-M3	4.0.1501.1.5	General
CMMP-AS-M0	4.0.1501.2.1	General

Table 1.1: 1 Components/Software used

1.1 Introduction

To run the CMMP-AS-M0 and M3 drives by a CPX-CMXX multi-axis interface a new software package (Firmware and FCT PlugIn) of the Multi-axis interface CPX-CMXX is required.

Data of the new CPX-CMXX version:

CMXX-FW: 1.2.34-cmxx0-rev-403

CMXX-PlugIn: 1.2.1.28

The following firmware versions of the drives are required:

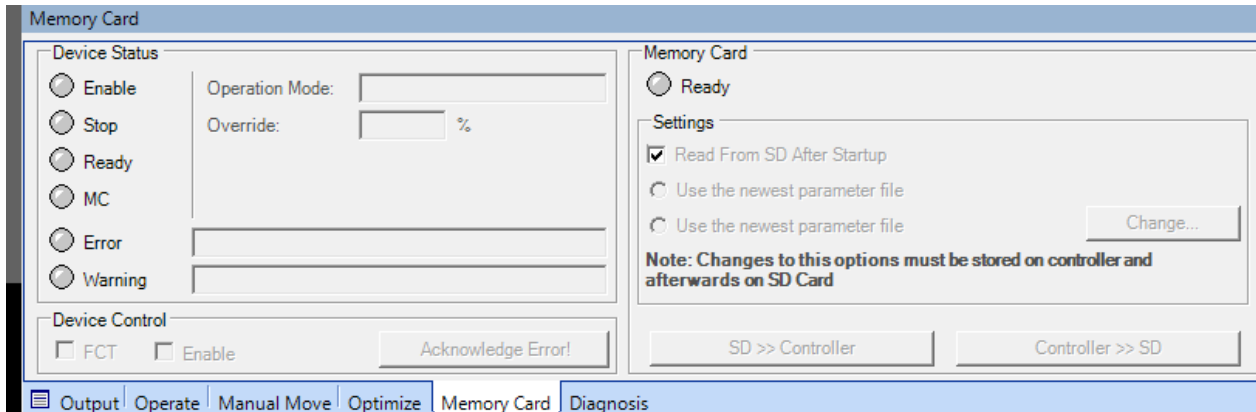
M0-FW: 4.0.1501.2.1

M3-FW: 4.0.1501.1.5

2 Timing behaviour

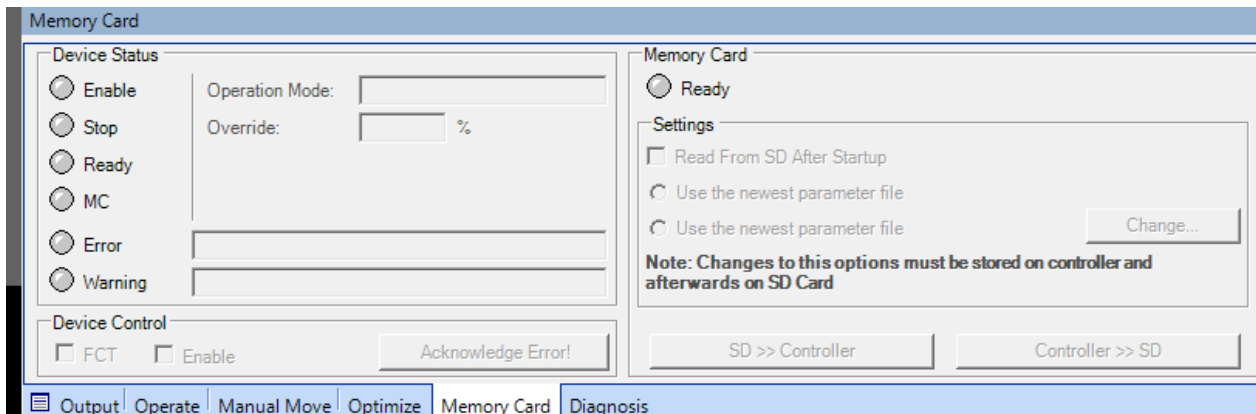
During the startup sequence there are some aspects which have to be considered. If the SD card is not present and the usage of the SD card is enabled, the drive generates a warning for approx. 15s. This warning can't be acknowledged. The CPX-CMXX will not start a positioning task while this warning is active.

2.1 1. Reading from SD card is enabled



After starting (power on) the drives it will take approx. 15s before the drives will accept a positioning command.

2.2 2. Reading from SD card is disabled



In this case no warning for a missing SD card will be generated by the drives at startup and if the drives are powered on together with the CPX-CMXX there is no additional waiting time to start the positioning command.

3 Miscellaneous

The new CPX-CMXX Package (PlugIn and Firmware) and the Application Note will be available on SPIMS+