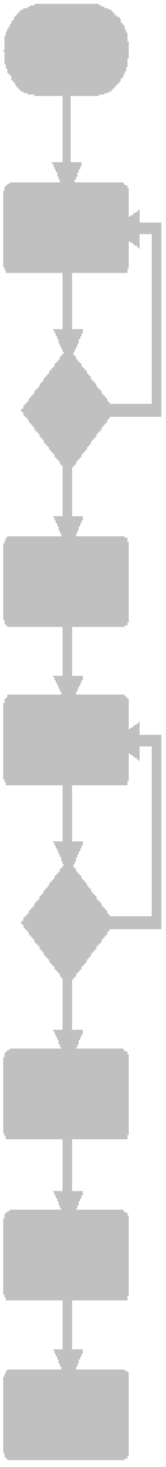

JetMove 600

Technical Information

Version Update

V1.16 - V1.17

Jetter

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1 Introduction

Versions-Update Overview			
Version	**Funktion**	**erweitert**	**korrigiert**
V1.17	Command 3 (NREF 0)	✓	
	Register 1x171 „Reference Point Shift“	✓	
	AXARR-bit in register 1x100 „Drive Status1“		✓
	Drive hang up initiated through pluging/unpluging of the cable of the PC-interface (X6)		✓

Important!

There are essential changes made which affect command 3 (NREF 0) and register 1x171.

Important!

UPDATE: Update the drive in the usual way. If you have problems, for example update stops between 70 - 90 % than switch off drive and switch on again. "cmon>" console will appear. Insert "x:" to delete the flash. Switch off and on again and now insert "cx" to start the update via CAN. The deleting of the flash is only necessary if you loaded a table before to use the positioning with table mode. If you did not load a table update will behave the usual way.

2 Modifications / New Functions

2.1 Command 3 (NREF 0)

It is now necessary that the power stage is enabled before using command 3. The same for using command 9 / 10 with NREF=0.

2.2 Register 1x171 “Reference Point Shift”

The same which applies to command 3 is also necessary here, to shift the reference point the power stage has to be enabled first.

3 Error correction

3.1 AXARR-bit

Problem-Effects:
When the AXARR-bit in register 1x100 “Drive Status1” is used it could happen that the positioning immidiately after the start was indicated as finished through the AXARR-bit (axis arrived) even the axis did not move at all. This behaviour could be also the reason why the warning n08 "Faulty Drive Task" is detected by the drive.

Problem-Analyse:

The AXARR-bit was not reset fast enough after a start command for a positioning.

Solution:
The AXARR-bit is reset after a start command for a positioning before the next possible reading or writing of a register of the JetMove 600 can be executed by the CPU.

3.2 Drive Hang Up

Problem-Effects:
Through plug in or plug off of the cable of the X6 interface there was the chance that the drive stops controlled operating and needed to be reseted afterwards.

Problem-Analyse:
Signals where initiated on the CAN interface at the X6 interface by pluging off or pluging in the cable. The firmware did not handle this signals correctly.

Solution:
Signals are handled correctly by the firmware.