



**JetMove 600**  
**Technical Information**  
**Version Update**  
**V1.14 - V1.16**



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# 1 Introduction

Versions-Update Overview			
Version	Funktion	erweitert	korrigiert
V1.16	Register 1x104 „Position Resolution“	✓	
	AXARR-bit in register 1x100 „Drive Status1“	✓	
	Position related registers (register 1x102, 1x107, 1x109, 1x119, 1x120)	✓	
	Register 1x105 „Start Ramp“, register 1x106 „Stop Ramp“	✓	
	ASCII-parameter default values changed	✓	
	New registers:	✓	
	1x005 „Emergency Ramp“		
	1x171 „Reference Point Shift“		
	1x007 „Type Of Axis“		
	New commands:	✓	
	5    AXARR with Emergency Ramp		
	19   Continue Positioning		
	74-77 Control digital outputs		
	Changed status registers:	✓	
	1x099 „Drive Status2“		
	1x098 „Position Status1“		

## Important!



There are essential changes made which affects register 1x104 „Position Resolution“, the AXARR-bit and the position related registers.

## 2 Modifications / New Functions

### 2.1 Register 1x104 „Position Resolution“

This register number is now changed to 1x1006. Also the possible value range changed from 0, 7 to 0...8. Its value after reset changed from 0 to 8. Please refer to the “JetMove 600 SB (System Bus) Interface Manual”, from version 1.07 on, for a detailed description.

### 2.2 AXARR-bit

AXARR-bit in register 1x100 “Drive Status1” was set when the axis is not moving anymore. Now the AXARR-bit is not set when an extraordinary situation occurs or already exists. Extraordinary situations:

- Hardware limit switches are reached
- Disable of power stage while positioning is executed
- Fault situation of drive

To reset drive (set AXARR-bit again) from an extraordinary situation into a normal operation mode again the following possibilities are existing:

- Command 5 "Emergency Ramp"

- Command 1 “Software Enable”
- Command 0 “AXARR With Stop Ramp”
- Command 100 “Reset Error”

Please refer to the “JetMove 600 SB (System Bus) Interface Manual”, from version 1.07 on, for a detailed description.

## 2.3 Position Related Registers

The position related registers (register 1x102, 1x107, 1x109, 1x119, 1x120 and the new register 1x171) are now all affected by the renumbered register 1x006 “Position Resolution”. Before only register 1x102 “Set Point Position” and register 1x109 “Actual Position” were affected.

## 2.4 Start and stop ramp registers

The register 1x105 “Start Ramp” and 1x106 “Stop Ramp” can be used to set the start and stop ramp for Jog mode and Homing mode. Before the start and stop ramps could only be set through the DRIVE software. Before the registers 1x105 and 1x106 were only effective for positioning.

## 2.5 ASCII-parameter default values changed

The ASCII parameters VUNIT, PUNIT, ACCUNIT, POSCNFG are also set to a default value every time the drive starts up. Before only PGEARI and PGEARO and AENA were set to a default value.

## 2.6 New Registers

The following registers are added:

- 1x005 „Emergency Ramp“
- 1x171 „Reference Point Shift“
- 1x007 „Type Of Axis“

Please refer to the “JetMove 600 SB (System Bus) Interface Manual”, from version 1.07 on, for a detailed description.

## 2.7 New Commands

The following commands are added:

- |    |                            |
|----|----------------------------|
| 5  | AXARR with Emergency Ramp  |
| 19 | Continue Positioning       |
| 74 | Switch on digital output1  |
| 75 | Switch off digital output1 |
| 76 | Switch on digital output2  |
| 77 | Switch off digital output2 |

Please refer to the “JetMove 600 SB (System Bus) Interface Manual”, from version 1.07 on, for a detailed description.

## 2.8 Changed Status Registers

In status register 1x099 “Drive Status2” the following bits are added:

- 21 “Digital Output1”
- 22 “Digital Output2”
- 23 “Incorrect Input Value”

In status register 1x098 “Position Status1” the following bits are added:

- 20 “Position Overflow”

Please refer to the “JetMove 600 SB (System Bus) Interface Manual”, from version 1.07 on, for a detailed description.