

## **Firmware Revision Info:**

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### **DMC-2100 Controller**

#### ***New features for Rev 1.0q April 17, 2009 :***

- Added Stop Code 16 for stepper position error
- Added IK command for port blocking

#### ***New feature for Rev 1.0p December 22, 2006:***

- No new features added

#### ***New feature for Rev 1.0o October 3, 2005 :***

- Added Stepper Motor Position Maintenance Mode (<http://www.galilmc.com/support/appnotes/optima/note2445.pdf>)
- Added ECAM with two linear segments (<http://www.galilmc.com/support/appnotes/optima/note2444.pdf>)

#### ***New feature for Rev 1.0n July 6, 2004 :***

- Improved BS command for AMP-540
- Added ELO support. TA3 and CN operand added for abort input application program disable
- Added Ramp to Gearing based on position. Added GD command for Gearing Distance and \_GP returns lost distance
- Position Follower Mode added (PT command)

#### ***December 18, 2003 - Rev 1.0m:***

- Set criteria of two SPI data reads for valid data
- Added second field to AE command
- Added DR command
- Added prompt hold off until carriage return
- Added TC-1 to transmit first error during prompt hold off
- Optimized cornering motion profile

***June 27, 2003 - Rev 1.0l:***

- Added AUTOERR special label
- Added \_RS operand
- Added RS-1 function
- Added ~a to ~h operand
- Added AG, AU, AW, BR, QH and TA commands for amp540
- Modify BS command for amp540
- Added TK command

***October 1, 2002 - Rev 1.0k:***

- Added BK and SL commands to debug user application programs
- Added LC command to set stepper in low current mode via ampen
- Added GA interrogation

***New feature July 17, 2002 - Rev 1.0j:***

- MW command added to wait for Modbus response

***New feature April ,9 2002 - Rev 1.0i:***

- OE and DV can now use "?"
- JP command will no longer inhibit Timer interrupt
- @AN function will no longer inhibit interrupts in fast firmware
- Expanded number of handles to 8
- Added support for IOC-7007
- Allow product to designate a broadcast handle

***New feature September 5, 2001 - Rev 1.0h:***

- Added TH, WH and HS commands
- Added TZ command
- Added -5 and -6 to \_IHh2 to indicate connection in progress

- Added \_IA5 to indicate ethernet speed
- Added IHh= to reuse handle
- Added IHh=>-3 to reset connection
- Initialize tcperrhandle to -1

***New feature June 15 2001, Rev 1.0g:***

- SA command added

***New feature October 21 2000, Rev 1.0f:***

- The operand \_EO is available to return state of echo
- The operand \_BV returns the number of axes

***New feature May 15 2000, Rev 1.0e:***

- Leading spaces now legal from rs232 or Ethernet
- Port assignments now increment by 10
- CI clears pending IN CMD, 3 clears just P2, -1 clears P1 also

***New feature October 21 1999, Rev 1.0b:***

- IF false without endif will now generate error 63
- ' can start a comment line in an application program
- CF command chooses the handle or RS232 port as default for application program.
- IHS=>-1 or -2 shuts off current handle. -1 is immediate, -2 tries to close TCP handle.
- IHT=>-1 or -2 shuts off all handles but the current one. -1 is immediate, -2 tries to close TCP handle.
- \_IA3 returns 0 to 5 for which handle this is

***New feature September 28 1999, Rev 1.0a:***

- Modbus support added. MB and AO commands
- ' can start a comment line in an application program

***New feature September 7 1999, Rev 1.0:***

- Ethernet support added
- BZ<time lets you set timeout of BZ command
- Variables and labels increased to 510
- Option jumper now causes Motor Off on power up. Note: must have operating system rev 2.0 or higher