

SDK-600 Version Notes

- 2.17 This version removes a bug in the open loop gain test, and a bug in the conservative gain test.
- 2.16 Added in a conservative tuning method.
- 2.15 Now distributing with commdisk executables.
- 2.14 Fixed display of horizontal scope values.
- 2.13 This version is more careful about connecting the motor for the first time. It now checks for polarity reversal, and then for instability.
- 2.12 This will now accept DMC-611, DMC-621, and DMC-631 cards.
- 2.11 Can now display X vs Y in single storage scope.
- 2.10 Can now deal with encoders that have more than 32000 lines. Will now prompt you if you want to overwrite an existing DMC.
- 2.09 Fixed timing problem on fast 80486 machines.
- 2.08 The open loop gain and phase for information for 10 bit and 12 bit controllers has been corrected.
- 2.07 Improved installation.
- 2.06 Fixed KI calculation in analytical design methods. Digital domain to controller domain conversion corrected for 8 bit DAC controllers in crossover frequency/phase margin analytical design.
- 2.05 Intermittent TM? problem repaired. Default exponent and buffer size for storage scope and can now be changed.
- 2.04 PCMate and ICB-960-NA Amplifier System supported. 10 bit and 12 bit DAC Modes Supported. Fixed rectangle programming example. No longer adding 5 degrees to analytical design based on phase margin.
- 2.03 Correction implemented to avoid SDK shutdown when submitting new controller values that were not within legal range.
- 2.02 Modifications to permit use with DMC6XX version 2.1e firmware. Storage scope calibration improved. There had previously been a 2% measurement error when displaying velocity information.
- 2.01 Added support for DMC-615 and DMC-625 Master Slave Controllers.
- 2.00 Added open loop gain measurement. Added model confirmation in open loop gain test. Added Design based on Natural Frequency and Damping. Allows Controller compensation to be updated after design test.
- 1.02 Corrections to square-root calculations in theoretical sections.
Improved open loop bode plot usable frequency range.
- 1.01 Frequency response included. Added additional topics under Programming the Controller.