



## Featuring...

# Aries Support Tool, version 3.2.0

*For use with Aries Drives*

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## Safety Warning

The Aries Support Tool is a software configuration tool for setting up your Aries drive system. Therefore, you should test your system for safety under all potential conditions. Failure to do so can result in damage to equipment and/or serious injury to personnel.

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## Aries Support Tool CD-ROM Revision History

### Revision 3.2.0 (Apr 11, 2011)

- Removed skin for better Windows compatibility
- Updated AriesMotorDatabase.xml, version 82, to include support for the SME and SMEA family of rotary servo motors and the 7D feedback for the MPP family of servo motors
- Support for Hall-less commutation
- Added message box if errors occurred during configuration upload
- Added message box if errors occurred during loading configuration file
- Bug Fix – Configurations for Servo Gains and Misc. Tuning are saved properly
- Bug Fix – removed extraneous text from configuration file
- Bug Fix – Bit Status Panel updates S33.0 and S44.1 correctly
- Bug Fix – Uploading Other Motor correctly displays motor name
- Bug Fix – Fixed crash when drive is Returned to Factory Settings while disconnected
- Bug Fix – Bit Status Panel updates S33.0 and S44.1 correctly
- Bug Fix – Version information in configuration file corrected

### **Revision 3.1.1**

- Bug Fix – K Series motors are now configured properly
- Bug Fix – For Position mode, SMPER is now set to equal ERES
- Bug Fix – For Position mode, DRES is now set to equal ERES
- Updated Aries User Guide
- Updated Aries 01-13 Encoder Drive Quick Reference Guide
- Updated Aries 01-13 Resolver Drive Quick Reference Guide
- Updated Aries 20-30 Encoder Drive Quick Reference Guide

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### **Revision 3.1.0**

- Added a Terminal Tool for direct communication to the Aries Drive in it's native command language
- Updated AriesMotorDatabase.xml, version 60, to include support for the Trilogy family of linear servo motors and the K family of frameless kit servo motors.
- Bug Fix - ESAVE is no longer sent to motors with Smart Encoders.
- Added support for Invert Hall signals in the Configuration Wizard. Relates to SHALL command.
- Added support for servo motors with resolver feedback.

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### **Revision 3.0.2**

- Added support for Heidenhain single-turn and multi-turn absolute encoders (on MPPxxxxx9D and MPPxxxxx6D motors) in Aries Support Tool, version 3.0.2.1.
- Updated AriesMotorDatabase.xml, version 51, to correct data for various MPP motors.

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### **Revision 3.0.1**

- Consolidated Aries User Guide documentation into one PDF, AriesDriveUserGuide.pdf (rev C).
- Added feature to remember last configuration file opened by the Aries Support Tool, version 3.0.1.0.
- Fixed a few minor bugs in Aries Support Tool, version 3.0.1.0.

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### **Revision 3.0.0**

- Added many new features to Aries Support Tool, version 3.0.0.0.
- Added support for MPP series motors in Configuration Wizard.
- Added step in Configuration Wizard to allow configuration of the Aries drive fault output, in-position output, and motor thermal sensor input.
- Added support for automatic current loop calculations in Servo Tuner.
- Added graphical support for current loop tuning in Servo Tuner.
- Added graphical support for velocity loop tuning in Servo Tuner.
- Added support for notch filter tuning in new Notch Filter Tuning tool.
- Added support for alignment tuning and command signal tuning in new Miscellaneous Tuning tool.
- Added more bit status to newly organized Bit Status panel.
- Added more numeric status to newly organized Numerical Status panel.
- Added "system snapshot" feature to Technical Support page in Aries Support

- Tool.
- Added documentation set for the new AR-20 (2 kW) and AR-30 (3kW) drives.
- Fixed a few bugs in Aries Support Tool, version 3.0.0.0.

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### Revision 2.0.1

- Corrected default current loop proportional gain values for all motors supported by Aries Support Tool, version 2.0.0.2.
- Corrected feedback resolutions for all 4xxLXR series motors supported by Aries Support Tool, version 2.0.0.2.
- Added support for MPM and SMN motors in Aries Support Tool, version 2.0.0.2.

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### Revision 2.0

- Added **Servo Tuner** and **Auto Tuning** features to Aries Support Tool, version 2.0.0.0, for tuning the position loop of step/direction Aries drives.

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### Revision 1.1

- Original release. Provided support for the Aries drive family with the Aries Support Tool.

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## System Requirements

### Aries Support Tool:

- IBM-compatible PC with a Pentium 650 MHz or higher processor
- Operating systems: Microsoft Windows 95/98/Me/NT/2K/XP/Vista/7 (x86).
- 64MB RAM.
- Hard disk space: 5 MB minimum.
- PCI VGA with 800 x 600 resolution or higher.
- CD-ROM drive.
- Mouse or pointing device.
- RS-232C serial port.

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## Technical Support

### Phone Support:

- 1-800-358-9070 (7am - 5pm Pacific Time)

### Internet Support:

- Web site at <http://www.parkermotion.com>
- Email support at [emn\\_support@parker.com](mailto:emn_support@parker.com)

Please be prepared to state your product serial number when calling or emailing for assistance.