



ASDA-Soft Upgrade Release Note

1. Software Version: V5.1.46

2. Released Date: Dec. 03, 2012

3. Model Coverage: All series of ASDA-M servo drive

4. Difference of version V5.1.46 and version V5.1.Bata

1. Scope:

New function

- FFT Function
- Low-speed monitor
- [Fine adjustment setting] Add scope channels of CH5~CH8

Correction

- Rearrange the display of BallBar and X-Y Chart
- Improve the accuracy of the X-Y Chart graph, including the problem of Scope timing loses efficacy after opening X-Y Chart.
- The number of obtained data of each CH (channel) might be different. It would cause the damages of scp files and incorrect diagrams.
- Saving *.scp file with long directory name (path + file name) will damage the file.
- The device type that shows in Scope window will be displayed according to the Select Device of Setting window and is unchangeable.

2. Auto Tuning

New Function

- Remind the user the actual acceleration time after setting up.
- The acceleration / deceleration setting time cannot be more than $[5000(\text{rpm}) / 1(\text{s})] * (\text{Jogging Speed})$.

Correction

- Correct the motor brake abnormal problem after closing "Enable Gain Control Panel" window.
- The description of P2-47 shows errors.

3. Digital Input and Digital Output / JOG Control

New Function



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- Add the function of DI [0X0A]: disable the gantry function.
- Add tri-axial sharing setting of DIs: Servo On, Alarm reset and Emergency Stop.

Correction

- In Jog Control function, if one of the selected axes does not Servo On, the motor will keep rotating.
- In Jog Control function, the default setting of axis selection for 3 axes is unselected.
- When it is offline, turn off the DIO function.

4. Parameter Editor

Correction

- Correct the procedure of the operation interface when loading different versions of parameter file:
 - The message windows do not pop up, unless it is over the parameter setting values.
 - After entering the parameter, the window pops up for selection:
 - ◆ Yes: End of the procedure. (If you have already opened the message window, then this will be the only selection.)
 - ◆ Version Differences: the message window will pop up in the left. It is for describing the new-added parameters in current version.
 - The version-difference message does not show 1). the read-only parameters and 2). Write-forbidden parameters while using “write all parameter” function.
- Correction of Common Parameter Edit:
 - Select all parameters of the group at one time.
 - Select more than one parameter at one time.
 - Parameter position(s) upward and downward (single / multiple parameter(s)).
 - Remove the selection of Move Up and Move Down of the common parameters from Right-Click Enhancer.

5. E-CAM

Correction

- Operation procedure: In ECAM editor window, if choosing “manually create table” after reading parameters from the drive, an error message will pop up when executing “download table”.



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- When uploading the parameters from the drive or opening an ECAM file, the value of P5-19 will still remain the default setting.
- Cubic Curve Creation. Insert point(s) into the curve, the graph shape might be changed.
- ECAM Table. Output the data point. When the ECAM points are is more than 10 points, the units digit will be cut out in the file and it will cause the error.

6. PR Mode Setting

New Function

- Write All PR Parameters to Servo. The PR Path of PR Mode setting only can be wrote to [PR#63]. Now the range is increased to [PR#99].

Correction

- PR Mode Setting. When the path TYPE is [4]: Linear Interpolation, [0xE]: 3-axis Helical Interpolation or [0xF]: Arc Interpolation, it will not show axis information.
- Operation Procedure: Downloading all parameters right after uploading them from the drive, all parameters will become the default setting (General Parameter Setup, Homing Setting).
- Homing Setup. In Speed Setting of Homing, P5-05 and P5-06 are unable to enter the decimal point.

7. Other

The Added and Removed Function

- Add software updated document in **Revision History** from **Help**.
- Remove the function of Mode Information.

Correction

- Correction. Parameter Initial Wizard. When setting the Torque Mode, the unit of P1-41 should be %/10V.
- Correction. After selecting the device type from Online Setting window, the selected device type cannot be changed in Scope, Auto Tuning and Alarm Information windows. If the user wants to change the device type, the user needs to return to Online Setting window.
- Correction. In Online Help of Help, change the Hyperlink into the following website address. It is convenient for clients to download the latest ASDA-Soft. http://www.delta.com.tw/ch/product/em/download/download_main.asp?act=3&pid=2&cid=1&tpid=3