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Upgrade Ax drive series to new 1.9.xxx firmware

In order to upgrade drives with new firmware branch (release 1.9.xxx), the bootblock upgrade to latest release 1.2.49 (or the newer 1.3.7) is necessary. The new bootblock releases are backward compatible, therefore downgrading system firmware to older releases is supported without further bootblock upgrade/downgrade; also any further upgrade/downgrade of system firmware will not require a new bootblock upgrade procedure, just follow standard firmware upgrade procedure.

All needed files for this procedure are in **system\AxX\firmware** folder under **Phase Motion Control** contained in program files folder (usually **c:\Program Files** or **c:\Program Files (x86)**).

In order to proceed to bootblock and firmware upgrade follow subsequent steps (it is assumed that the drive is connected to serial port COM1):

1. Open **AxX Firmware Updater** application, under **Utilities** in **Phase Tools Setup** group
2. Click on **Syncro** button
3. Reset drive with the reset switch located between the two main switches under the bar led or power cycle it
4. Now dialog should tell that drive is synchronized (**Synchronization executed**); if not go back to step 2
5. Using **Browse** button select the bootblock updater file **BootUpdater-1-2-49.sre** (or **BootUpdater-1-3-7.sre**), then click **Load** button
6. When loading is complete dismiss the dialog box
7. Wait up to 10 seconds, when upgrade procedure ends some red leds should blink again: now bootblock is upgraded
8. Using **Browse** button select the system firmware (**SysApp-xxx**), then click **Load** button, in order to restore system firmware

Be careful on steps 6 and 7, if auxiliary power is lost during this period, drive can be only recovered in factory repair.



Cap. Soc. Euro 3.350.000
Iscr. Reg. Imprese di Genova
C.F. IVA IT 03425740101
R.E.A.N. 343807
R.D. 14/2/94

