

AC30 Firmware Upgrade issues

APPLICATION COMPATIBILITY

All AC30 firmware WITHIN each variant is forwards compatible and upgrading FW should not cause any compatibility issues.

Current AC30 FW Variants

AC30V	FW1.13
AC30P/D	FW2.13
AC30P/D EthernetIP	FW3.13

So for example upgrading from 1.12 to 1.13 or from 2.12 to 2.13 should not cause any compatibility issues.

Changing from 2.12 to 3.13 will create a compatibility issue and the application will be lost.

It is not possible to change from AC30V to AC30P/D or AC30P/D EthernetIP.

(eg: FW 1.13 to 2.13 or 3.13 is NOT possible)

Also changing the firmware on an AC30 from a higher to a lower release number will likely result in a compatibility issue and a loss of the application.

When the application is lost, the drive issues a message similar to “APPLICATION LOAD ERROR” or “ALERT APPLICATION LOAD FAIL” and enters a fault state, indicated by the red and green LEDs on the GKP flashing alternately.

FAULT RECOVERY

In some versions of FW (EG FW1.8), it is not always possible to upgrade the firmware while the drive is in the fault state. To overcome this issue, it is necessary to first load an application into the drive with a matching device version. For example a drive with FW1.8 should be loaded with an application with a version 1.8 device. This can be done using PDQ via the “Setup a New Drive” task or using the PDD. If the “Program Drive” operation does not work the first time, repeat the attempt by clicking again on “Program Drive”.