

Application Note

DIGICHEM® Plus⁺ Firmware upgrade Compatibility Rev 1.0

This is a quick summary to explain the differences in firmware for various DIGICHEM® Plus⁺ Controllers and how to recognise which one to use. **There are different firmware versions and it's important to use the correct firmware in the correct controller.**

All DIGICHEM® Plus⁺ controllers have a unique ID that begin with 0830-, 0831- or 0940-, as follows:

- 0830- = Gen I controllers that **do not** have a Modbus Card fitted
- 0831- = Gen I controllers that **do** have a Modbus Card fitted
- 0940- = Gen II controllers that may or may not have a Modbus Card fitted

To find the ID number of a controller:

1. Press and Hold View Settings button (red button) for 4 seconds on DIGICHEM Plus⁺ controller which will display the ID, or
2. If the controller is online you can view it on digichemplus.com (see Fig 1. below)

Upgrading a controller with an ID beginning 0940- is performed with a USB stick.

Upgrading a controller with an ID beginning 0830- or 0831- is performed with a Cylindrical dongle. (Fig 2 next page)

- Our Cylindrical dongles are supplied on a keyring with a tag labelled with the firmware version (see Fig 3. next page).
- Please note:
 - any dongle labelled with 'Modbus' or 'S0206' or 'S206' will always be for a controller with ID beginning 0831- (it is important you do not use this dongle on a controller with ID beginning 0830-)
 - any dongle labelled with 'S0200' will always be for a controller with ID beginning 0830- (it is important you do not use this dongle on a controller with ID beginning 0831-)
- At the time of this application note release, the latest versions were:
 - S0200 Ver 1.23 for controllers with ID number beginning 0830-
 - S0206 Ver 1.03 for controllers with ID number beginning 0831-
 - S0400 Ver 1.10 for controllers with ID number beginning 0940-

If you're unsure if you're installing the correct firmware in a controller, please call us first on 1800 137 954

Fig 1. Viewing the ID of the controller

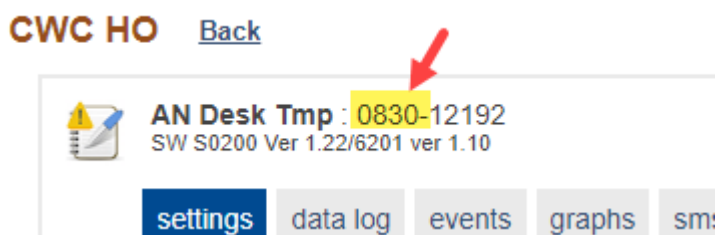


Fig 2. Cylindrical Dongle loose & inserted in controller



Fig 3. Examples of key tags attached to cylindrical dongles



Quick Guide for Firmware Upgrades

1. Before upgrading, check 1st 4 digits of ID number of controller by holding down red button on DIGICHEM® Plus+ Controller, i.e. 0830, 0831 or 0940
2. If 0940, perform firmware upgrade using USB dongle
3. If 0830 or 0831, first check firmware number in the same screen, i.e. S0200 or S0206
4. Please ensure this firmware number matches the firmware number on the key tag of the cylindrical dongle
5. If they do not match, DO NOT perform the upgrade.