

BOOTLOADER UPGRADE

The *Bootloader* is a small program within the DSE892 that handles the updating of the firmware within the device. Sometimes it may be necessary to update the Bootloader before the firmware can be updated. When available, bootloader upgrade files are available from Deep Sea Electronics PLC website www.deepseapl.com.

To do this Bootloader update, the following files are required:

Description	Filename
Bootloader update files	A892-01.bin
Located in the "Bootloader Upgrade V1 to V2" folder	E892-01.bin

A USB flash memory stick formatted to *FAT* is also required. See Section entitled *How to Format a USB Flash Memory Stick to FAT*, elsewhere in this document.

To update the Bootloader:

- Start with a blank memory stick. Place the Bootloader update files on to the memory stick.
- Remove the DC power supply from the DSE892.
- Insert the memory stick into the DSE892 and Reapply the DC power.
- The LEDs illuminate Green, Red, Red, Green. Wait for the four status LEDs to all illuminate GREEN.
- The Bootloader updater file has been transferred to the DSE892.
- Remove the DC power supply from the DSE892.
- Remove the memory stick from the DSE892.



USB flash memory stick inserted into the DSE892.

FIRMWARE UPGRADE

When available, firmware upgrade files are available from Deep Sea Electronics PLC website www.deepseapl.com.

To do this Firmware update, the following files are required:

Description	Firmware Update Filename
Firmware update files	A892-01.bin
Located in the "Firmware Upgrade V#.#.#" folder, where the # are replaced with numeric digits to show the new version number.	E892-01.bin
	M892-01.rfs

A USB flash memory stick formatted to *FAT* is also required. See Section entitled *How to Format a USB Flash Memory Stick to FAT*, elsewhere in this document.

NOTE: Updating the DSE892 resets it to Factory Settings.

To update the Firmware:

- Start with a blank memory stick (remove the bootloader files if present).
- Copy the firmware upgrade files onto the USB flash memory stick.
- Insert this into the 'USB Host' socket of the DSE892. Once inserted, click *Restart Gateway* or power cycle the DSE892. The module is restarted and the upgrade process begins.
- The LEDs cycle showing the update process. This takes some time.
- Once complete, all LEDs illuminate GREEN on the DSE892. This shows that the upgrade is successful.
- Remove the USB memory stick and remove the DC power from the DSE892. Wait a few seconds, then reapply DC power.

Factory Settings

IP Address	Username	Password
192.168.1.100	Admin	Password1234