



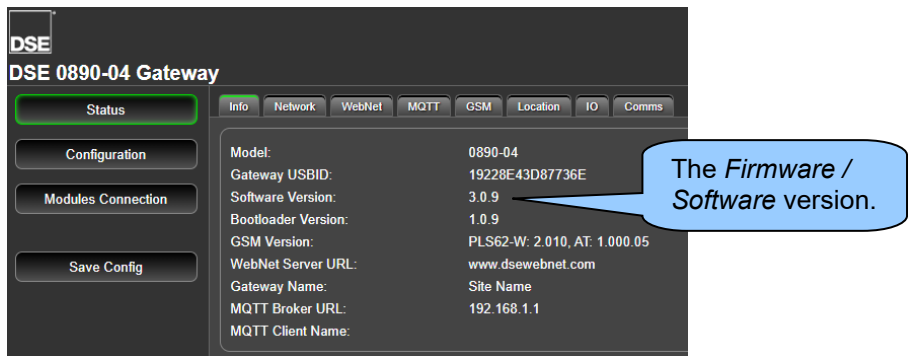
# DSE890 MKII Gateway Firmware Upgrade

**NOTE:** It is recommended that the DSEGateway's configuration is backed up before updating the firmware.

During the lifecycle of the product the firmware may need to be upgraded. Updated Firmware files are released periodically from the Deep Sea Electronics Ltd website and hosted within the DSEGateway webpage.

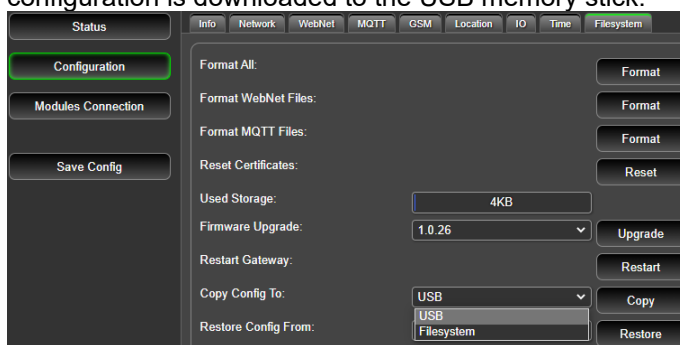
A USB memory stick formatted to FAT is also required. For further details, see section entitled *How to Format a USB Flash Memory Stick to FAT*, elsewhere in this document.

The *Firmware* version is found in the *Information* page located within the Status page of the DSEGateway.



To back up the configuration:

1. Insert the USB memory stick into the DSEGateway.
2. Navigate to *Configuration | Filesystem* within the DSEGateway configuration pages.
3. For the parameter *Copy Config To:*, select *USB* followed by clicking on *Copy*. The DSEGateway configuration is downloaded to the USB memory stick.



To update the Firmware:

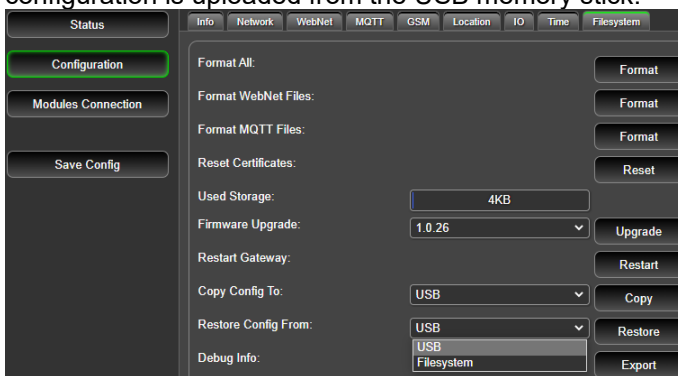
- Place the following Firmware update files (where available) onto the USB memory stick.

Description	DSEGateway
Firmware update files	A0890-04.pkg for 0890-001-04 part number. C0890-04.pkg for 0890-002-04 part number.

- Insert the USB memory stick into the DSEGateway®.
- Reboot the DSEGateway®.
- Wait for the four status LEDs to stop cycling, then briefly remain green. The link LED status remains red whilst communications to DSEWebNet® / MQTT Broker are established.
- Remove the USB memory stick.
- The DSEGateway® Firmware has been updated.

If the configuration needs restoring:

- Insert the USB memory stick into the DSEGateway®.
- Navigate to *Configuration | Filesystem* within the DSEGateway® configuration pages.
- For the parameter *Restore Config From:*, select *USB* followed by clicking on *Restore*. The DSEGateway® configuration is uploaded from the USB memory stick.



## HOW TO FORMAT A USB FLASH MEMORY STICK TO FAT

Before updating the DSEGateway® it is necessary to format a USB stick to suit the USB requirements of the Gateway. The instructions below detail how to do this...

- Insert memory stick into PC USB port.
- Browse to *Computer* in Windows Explorer.
- Identify the memory stick, *Right Click* the device, and select *Format*.
- Select *FAT* and click *Start*.

