FSB-44 (V1) Firmware Upgrade Service Bulletin

Firmware Upgrade

To:	Flightcell End Users, OEMs, Distributors, Resellers, Service Centres, and Installers
Effective Date:	02 December 2019
Status:	Optional
Affected Products:	Flightcell DZMx, all product variants running platform 3 (v3.x.x) firmware
Affected Serial Numbers:	Any serial numbers with above firmware

Purpose

This bulletin provides information on Flightcell DZMx firmware release version 3.4.0.

Reason

This firmware provides new features, enhancements to existing features and bug fixes.

Prerequisites

To upgrade to this version of firmware, the DZMx must be operating a firmware version that begins with a '3' (e.g. version 3.x.x).

Change Summary

New Features and Support

- Support for Kawak fire tank
- PTT - Faster update of talk group lists
- Implemented support for AIS marine vessel location system
- Suspend/resume periodic tracking via SBD message
- Updated Iridium Service Center options

Fixes

- Corrected issue with incorrect flight state on start-up
- Corrected issue with load manager reports
- Corrected issue with Agriculture application job number and totals

Warranty Information

The firmware is available to all Flightcell DZMx users free of charge even if the unit is out of warranty. For product registration and warranty information, please visit www.flightcell.com/warranty.

Labour Requirement

The duration of the upgrade will vary and is dependent on the previous firmware version installed. It will take between 5 to 40 minutes to complete. Power must be maintained to the DZMx at all times.

Equipment Required

Using DZMx USB port upgrade method:

- USB port connection to the DZMx; and a
- USB memory stick

Using DZMx Connect upgrade method:

- A working Ethernet port on a PC or laptop; and a
- Data connection via Ethernet to the DZMx

Modification Procedure

Before commencing the upgrade:

1. Check the current DZMx firmware by going to **MENU>Diagnotics Menu>About DZMx**. This should be firmware platform 3..x.x. If the current firmware version is 2.x.x or 1.x.x, please contact the Flightcell technical support team - phone: +64 3 535 8651 or email: tech@flightcell.com.
2. If using the USB upgrade method, download the firmware directly from: http://www.flightcell.com/support/firmware and save it to a USB memory stick.
3. If using the DZMx Connect upgrade method, ensure your PC/laptop has access to the internet.
4. Ensure there is enough battery power to run the DZMx for at least 1 hour (DZMx draws approximately 1A at 28VDC).

To perform the upgrade:

Using the DZMx USB port:

1. Insert the USB memory stick into the DZMx USB port.
2. Go to **MENU>Hardware Config** and press **ENTER**.
3. If necessary, enable the DZMx extended menus using **Installer Menu Enable**, enter the installer password, then press **ENTER**.
4. Scroll down to **Firmware Upgrade** and press **ENTER**.
5. The upgrade will commence.
6. Follow the prompts on the DZMx display.

Using DZMx Connect:

1. Using an Ethernet cable, connect a laptop or PC to the DZMx Ethernet port.
2. Open a web browser and in the address/URL/location bar, enter the IP address: **192.168.4.1**.
3. Discover the DZMx and **Login** as an **installer** using the installer password.
4. Navigate to the **About** section and under **Version Information** select **Download Latest** (will be displayed alongside the current firmware version if a later version exists).
5. Save the firmware file to the hard drive.

6. Select **Upgrade** and browse to the saved firmware file.
7. Select **Upload** and wait for the firmware file to upload to the DZMx. Once the file has been fully uploaded the upgrade process will start automatically.
8. After being redirected to the **Discovery** area, wait for the DZMx to fully reboot before re-discovering it. The display and keyboard may alternatively flash on and off during this period.
9. Login as an installer using the installer password.
10. Navigate to **About** and check that the new firmware version is displayed.