

## Service Bulletin

FSB-016 (V2)

### Firmware Upgrade

<b>To:</b>	Flightcell Customers
<b>Date:</b>	22 September 2017
<b>Affected Products:</b>	DZMx, all product variants (DZP_04.xxx)
<b>Affected Serial Numbers:</b>	All
<b>Status:</b>	Optional

### Purpose

This bulletin provides information on Flightcell DZMx firmware release versions 2.16.0 and 2.15.0. This is version 2 of the bulletin that was issued on 20 September and it corrects a version error. The correction is highlighted below.

### Reason

This firmware provides new features and it improves usability. Upgrading to firmware version 2.16.0 is optional however it is recommended if you are on a version older than ~~2.14.0~~ **2.15.0**. Version 2.14.0 included a significant improvement in keypad responsiveness and several minor system improvements have been made since then. However, version 2.14.0 also had a tracking bug that was fixed in version 2.15.0.

### Prerequisites

Prior to upgrade the DZMx must be operating firmware version 2.x.x. If a DZMx is running version 1.x.x firmware, please contact Flightcell support:

Phone: +64 3 545 8651

Email: tech@flightcell.com

### Change Summary

1. New feature: Ground to air transfer of operational files via email to the DZMx using SBD messaging.
2. New feature: GPS data logging to an internal SD card.
3. Enhanced usability: There is the option to use the “+” key on the keypad to cancel geofencing.
4. Enhanced usability: The phone book is automatically mirrored and updated between the

DZMx and DZMx Manager. No reboot is required.

- Enhanced usability: Data switching between satellite and cellular connections is mutually exclusive in DZMx Manager and it displays additional network metrics.

[Click here](#) to read the release notes, including improvements from previous versions.

## Warranty Information

This 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, [click here](#) or visit [www.flightcell.com/warranty](http://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 Manager upgrade method:*

- A data connection to the DZMx from a PC or laptop via Ethernet or WiFi

## Modification Procedure

Before commencing the upgrade:

1. Check the current DZMx firmware by going to **MENU>Diagnostics Menu>About DZMx**. This should be firmware platform 2.x.x. If the current firmware is version 1.x.x please email the Flightcell technical support team - phone: +64 3 535 8651 or email: [tech@flightcell.com](mailto:tech@flightcell.com).
2. Register to download the firmware from: [www.flightcell.com/support](http://www.flightcell.com/support) and download it to a USB memory stick or a laptop (if using DZMx Manager upgrade method).
3. Ensure that the aircraft avionics can be powered from battery or external power for at least 1 hour (DZMx draws approximately 1A at 28VDC).

To perform the upgrade:

***Using 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.

***Using DZMx Manager:***

1. Connect a PC or laptop to the DZMx Ethernet port or via WiFi.
2. Open an internet browser and in the address/URL/location bar enter IP address:  
**192.168.4.1.**
3. Authenticate as an installer using the installer password.
4. In the **Settings Panel** select **Upgrade System Firmware**.
5. Browse to select the firmware file.
6. Select **Start Upgrade**.
7. The upgrade will commence.