

119-00151 DZP_07 Flightcell Service Bulletin: Firmware Upgrade 4.14.1

Product Details

- Part No. DZP_07
- Rev 2.1 and onwards

Service Bulletin History

Document No.	Rev No.	Description	Effective Date
119-00151	1.0	Firmware Upgrade	31 Oct 2025

Purpose

This Service Bulletin announces the release of new firmware for the DZMx Plus (DZP_07). It specifies the changes in the firmware, and specifies required unit markings in accordance with software modification status.

The DZMx Plus can be controlled by two different Flightcell products:

- Flightcell DZMx Plus Control Head (DZP_05)
- Flightcell Controller (DZP_08)

The DZP_05 is automatically updated during the upgrade of the DZMx Plus, however the DZP_08 requires manual upgrades to ensure the device is kept compatible with the DZMx Plus. Refer to the Compatibility section below for more information.

Description of Change

Firmware v4.14.1 contains the following list of changes from v4.13.0:

Category	Change
New Feature	DZMxConnect2 - new web interface
New Feature	Bluetooth - Paired device management
New Feature	SFTP client support - automatic offloading of flight data
New Feature	Secondary IP tracking destination



Category	Change
New Feature	Independent Ethernet/WiFi routing rules
New Feature	RC7630 cellular modem support for NTT Docomo carrier support in Japan
New Feature	Iridium network time sync support
New Feature	Offline map caching
New Feature	Onboard Systems C-40 digital interface via RS-232 support (beta)
Bug Fix	Fix for exceedence reports incorrectly triggering on power-up
Bug Fix	Fixes for data connectivity issues on 450MHz and L280 cellular modems
Bug Fix	Fix for Bluetooth autoconnect failing after pairing large numbers of devices
Bug Fix	Networking fixes to handle AT&T and FirstNet reduced MTU
Bug Fix	Fix for auto-delete for call and SMS logs start-up behaviour
Bug Fix	Fix for cell modem resetting after 5 failed attempts to send IP tracking message
Bug Fix	WiFi subnet mask size now correctly set via API
Bug Fix	Fix for issue affecting call and SMS history in v4.14.0 firmware
Bug Fix	Fix for rare loss of DZMx key beep audio after a firmware upgrade
Bug Fix	Fixes for Certus voice and data integration issues
Removed / Deprecated	Dropbox Integration
Removed / Deprecated ^{*1}	WEBMANAGER_REQUIRES_INSTALLER_PIN API setting
Removed / Deprecated ^{*2}	DZMxConnect2 does not support Custom VPN, Direction Finder, Administrator login

^{*1} WEBMANAGER_REQUIRES_INSTALLER_PIN setting deprecation: API requests previously relying on this setting being disabled will now need to follow standard authorisation to gain installer access to endpoints.

^{*2} While these features are not supported in DZMxConnect2, they are still available in the original DZMxConnect, which can be reached from DZMxConnect2 by clicking the “**DZMx Connect (Legacy)**” button.

Known issues:



- WiFi DHCP Server does not propagate DNS server to connected clients. Customers facing this issue should manually insert a DNS server on their own client.
- DZMx Plus may experience brief interruptions in accelerometer data.

Package Information

Release Identification	Details
Firmware package file	dzmx-4.14.1r2037-upgrade.package
SHA256 checksum	8d76f8edf3e0132d587387650f8edaa9c6e97a56e04f1de5f39ce4fada604d52

Compatibility

The following compatibility table is used to determine compatibility for installations with the Flightcell DZMx Plus (DZP_07) firmware and Flightcell Controller (DZP_08).

DZP_07 DZMx Plus Firmware	DZP_08 Flightcell Controller Firmware	Status
v4.14.1	v1.2.0	Compatible

Operators should ensure firmware versions between Flightcell devices are kept compatible.

More information on the DZP_08 Flightcell Controller and its new screen and user interface can be found at the Flightcell website: <https://www.flightcell.com/products/flightcell-controller>.

Prerequisites

To determine which firmware version is applicable, and whether an upgrade is required. First identify your current DZP_07 firmware version. This can be retrieved from a connected DZP_05 or DZP_08:

1. DZP_05: Navigate to **MENU → Diagnostics Menu → About DZMx**
2. DZP_08: Navigate to **Maintenance → Diagnostics → F/W**

Check the current firmware version displayed and then;

- Install this firmware release if **either**:
 - The firmware version number is **3.5.0-P4**, or
 - The firmware version number begins with **v4.x.x** and is **earlier than v4.14.1**.

Compliance



This Service Bulletin is **Optional**.

If incorporated, compliance requires updating the firmware and recording the software modification status, found on the unit label, as follows:

Product Revision	Modification Status Letter
2.1	G
3.1	F
4.0	E

After upgrading the DZP_07, mark the product label field “**S/W MOD STATUS**” with the appropriate letter from the table above.

Material Information

Material - Price and Availability

Qty	Part Number	Part Name	Requirement Notes	Unit Cost	Lead Time
1	dzmx-v4.14.1r2037-upgrade.package	DZP_07 Firmware Package	For all DZP_07 units	N/A	N/A
1	117-00010	Flightcell DZMx Plus Installation Manual	For DZP_07 with DZP_05 DZMx Plus Control Head	N/A	N/A
1	117-00023	Flightcell DZMx Plus with Flightcell Controller Installation Manual	For DZP_07 with DZP_08 Flightcell Controller	N/A	N/A
1	Commercially Available	28V DC power supply	If not using cockpit/battery power power	N/A	N/A
1	Commercially Available	PC or laptop		N/A	N/A
1	Commercially Available	USB memory stick	If using USB stick upgrade method	N/A	N/A
1	Commercially Available	Ethernet cable	If using DZP_07 Connect upgrade method	N/A	N/A
1	CLP_00002	Bench Loom	If not upgrading the DZP_07 fitted in an aircraft	N/A	N/A



Manpower

The manpower required to accomplish the procedures described in this service bulletin is detailed below:

Firmware Updates	20 Minutes
Verification	2 Minutes
Total Time Required:	Approx 22 Minutes

Accomplishment Instructions

Description

The firmware packages can be downloaded from our web page <https://www.flightcell.com/support/firmware>.

The DZMx Plus manuals can be downloaded from <https://www.flightcell.com/resources>.

System Firmware Upgrade

Before commencing the upgrade

1. Refer to the Material Information table above to identify the correct firmware package and equipment you will require for this upgrade.
2. Download the correct firmware package file directly from: <https://www.flightcell.com/support/firmware> and save it to your local PC or laptop hard drive.
3. Ensure there is enough battery power to run the DZMx Plus for at least 1 hour (DZMx Plus draws approximately 1A at 28VDC).

Firmware upgrade instructions

Firmware upgrade instructions should be followed using the appropriate DZMx Plus Installation manual.

For installations with DZP_05 DZMx Plus Control Head:

- 117-00010 Flightcell DZMx Plus Installation Manual

For installations with DZP_08 Flightcell Controller:

- 117-00023 Flightcell DZMx Plus with Flightcell Controller Installation Manual

Use the revision of the manual which is applicable to the current firmware version installed on the DZMx Plus.

Verification

After the upgrade process has completed, and the DZMx Plus has rebooted to show the main screen, verify that the firmware upgrade has completed successfully. Verification can be done via DZMx Connect, or a connected DZP_05 or DZP_08.

Using DZMx Connect:



1. Login as Installer
2. Click About and see “**Firmware**”

Using the DZP_05 DZMx Plus Control Head:

1. Navigate to MENU>Diagnostics Menu>About DZMx.

Using the DZP_08 Flightcell Controller

1. Navigate to Maintenance>Diagnostics Menu>F/W

After a successful upgrade, the firmware should be dzmx-4.14.1r2037

Nameplate Update

Label the unit with the appropriate Modification Status Letter. See the Compliance section above for details.

Approval

This service bulletin contains no modification information that revises the approved configuration and therefore does not require governmental or other regulatory agency approval.

