

# 119-00122 DZP\_07 Flightcell Service Bulletin: Firmware Upgrade 4.13.0

## Product Details [↗](#)

- Part No. DZP\_07
  - Rev 2.1 and onwards
- 

## Service Bulletin History [↗](#)

Document No.	Rev No.	Description	Effective Date
119-00122	1.0	Firmware Upgrade	Feb 11, 2025

## Planning Information [↗](#)

### Reason [↗](#)

Firmware v4.13.0 is a feature release which includes the following changes:

- Controller API (CAPI) v2.0.0
- Controller Upgrade Wizard
- Dual Network Gateway Support
- Custom Routing Rules
- Support for faster GPS Logging (4Hz)
- Software-Defined-Receiver: support for auto-muting while on call
- Software-Defined-Receiver: support for different antenna profiles

This update addresses the following issue:

- Changing the Wi-Fi SSID without also updating the passphrase can lead to authentication problems.

## Prerequisites [↗](#)

To determine which firmware version is applicable, and if an upgrade is required, please check your current DZMx Plus firmware version by going to MENU>Diagnostics Menu>About DZMx.

Install package labelled dzmx-v4.13.0r1741-upgrade.package if:

- The firmware version number reported starts with v4.x.x and is prior to v4.13.0

## Description [↗](#)

The firmware release is issued as a single package file named dzmx-v4.13.0r1741-upgrade.package.

The firmware packages can be downloaded from our web page [Firmware Updates – Flightcell](#).

The DZMx Plus manuals can be downloaded from [Documentation – Flightcell](#).

Follow the upgrade instructions outlined in the Accomplishment Instructions section to upgrade your unit.

## Compliance [🔗](#)

This firmware upgrade is Optional.

All existing Flightcell DZP\_07 DZMx Plus units in the field can upgrade to firmware version v4.13.0.

Upgraded DZMx Plus Revision 2.1 units and above must be marked/labelled on the outside of the unit with the appropriate modification status letter from the following table:

Product Revision	Modification Status Letter
2.1	E
3.1	D
4.0	C

## 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

## Software Accomplishment Summary [🔗](#)

See the table below for a list of new features and bug fixes for the DZMx Plus.

New Features	Bug fixes
<ul style="list-style-type: none"><li>• Controller API (CAPI) v2.0.0</li><li>• Controller Upgrade Wizard</li><li>• Dual Network Gateway Support</li><li>• Custom Routing Rules</li><li>• Support for faster GPS Logging (4Hz)</li><li>• SDR AutoMute While On Call</li><li>• SDR Antenna Profiles</li></ul>	<ul style="list-style-type: none"><li>• Changing the Wi-Fi SSID without also updating the passphrase can lead to authentication problems.</li></ul>

## Known Issues [🔗](#)

Issues with Spark LTE in New Zealand:

- SMS sending occasionally does not work when device in in LTE mode.
- VOLTE outgoing calls to Vodafone do not connect.

## Material Information [🔗](#)

### Material - Price and Availability [🔗](#)

Qty	Part Number	Part Name	Requirement Notes	Unit Cost	Lead Time
1	dzmx-v4.13.0r1741-upgrade.package	DZP_07 Firmware Package	For all DZP_07 units	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

## Accomplishment Instructions [↗](#)

### System Firmware Upgrade [↗](#)

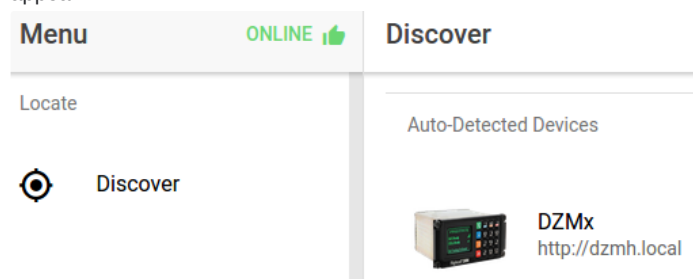
#### Before commencing the upgrade:

- Identify your Platform version and check the current firmware version running on the DZMx Plus by going to MENU>Diagnostics Menu>About DZMx.
  - This should be shown as firmware version v4.x.x for DZP\_07 units.
  - It is also possible to view the version information via DZMx Connect after logging in as an Installer and viewing the About page (see below).
- Refer to the table above to identify the correct firmware package and equipment you will require for this upgrade.
- Download the correct firmware package file directly from: [Firmware Updates – Flightcell](#) and save it to your local PC or laptop hard drive.
- Ensure there is enough battery power to run the DZMx Plus for at least 1 hour (DZMx Plus draws approximately 1A at 28VDC).

#### To perform the upgrade:


Upgrading the DZMx Plus via DZMx Connect:


- Plug in an Ethernet cable into the DZMx Plus ethernet port.
- Connect the other end of the Ethernet cable to a laptop or PC.
- Open a web browser and in the address/URL/location bar, enter the IP address: 192.168.4.1.
- If a picture of a DZMx does not automatically appear in the auto-detected DZMx pane, then click on Discover and wait for the DZMx to appear.




- Click on the picture of the DZMx and then click on Login.

Menu


ONLINE 

LOGIN 

Locate

 Discover

Navigate

 Contacts

← Login

Login

Authenticate as: 

Installer ▼

PIN 

....

LOGIN

6. Click on Authenticate As and select Installer, then click on OK.

Authenticate as:

☒ Installer

☐ Administrator

☐ Operator

CANCEL

OK

7. Click on the PIN field and enter the installer password.

Login

Authenticate as: 

Installer ▼

PIN 

e.g. 1234

LOGIN

8. Navigate to the About section and under Version Information section, check the firmware version:

Version Information

Serial: E09111961

Hardware: Version 4 (standard)

Firmware: dzmx-4.8.1r753

UPGRADE

9. Refer to the 'Before commencing upgrade' section to check your current firmware version, if you haven't already, then select the UPGRADE button to proceed.

Menu

ONLINE

LOGIN

Dialler
 Inbox
 Flight
 Forms

Settings

Audio Manager
 Connectivity
 Remote Access
 Settings
 Quick Messages
 Inputs
 About

←
Firmware Upgrade

Select File

Drop file here!

Browse...
No file selected.

Upload to DZMx

Upgrade

10. Select the firmware package file. Either:
  - a. Select Browse and locate where you copied the firmware package and select the file (by default, it would have been copied to your downloads folder).
  - b. Drag and drop the package file from another file explorer window into the 'Drop file here' boxed area.
11. Click on UPLOAD then wait while the package file is transferred to the DZMx Plus.

Menu
LOGIN

←
Firmware Upgrade

Locate

Discover

Select File

Drop file here!

Browse...
dzmx-4.9.0r879-upgrade.package

Upload to DZMx

dzmx-4.9.0r879-upgrade.package
204.146 MB

0%

REMOVE
CANCEL
UPLOAD

Upgrade

12. Once the file has been fully uploaded the upgrade process will start automatically.
13. During the upgrade you may see the Control Head flash its keypad and screen. This indicates the DZMx Plus is upgrading the Control Head.
14. After the upgrade, the DZMx Plus will reboot automatically.

## Verification [🔗](#)

After the upgrade process has completed, and the DZMx Plus and Control Head have rebooted to show the main screen, verify that the firmware upgrade has completed successfully.

Using DZMx Connect:

1. After being redirected to the Discovery area, wait for the DZMx Plus to fully reboot before re-discovering it. The display and keyboard may alternatively flash on and off during this period.
2. Wait for the DZMx Plus to boot up and show the main screen, then follow instruction steps 3-8 above and check that the new firmware version is now v4.13.0r1741.

Using the DZMx Plus Control Head:

1. Check the current DZMx firmware by going to MENU>Diagnostics Menu>About DZMx. This should now be shown as firmware version v4.13.0r1741.

## Update nameplate [🔗](#)

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.