

## PAYLOAD FIRMWARE UPDATE PROCEDURE

This document describes the procedure to update the firmware for the payloads to the latest version of the firmware.

### PREREQUISITES

Please make sure the following conditions are met before updating the payload firmware.

- ✓ The payload is mounted and properly connected to the drone.
- ✓ The drone battery is fully charged. If applicable, the payload battery is also fully charged.
- ✓ The drone with the payload is outside with visibility to the sky where the GPS fix can be found.
- ✓ Make sure the USB storage device is available.

### PROCEED TO FIRMWARE INSTALLATION

#### FIRMWARE INSTALLATION:

1. Make sure the above prerequisites have been met.
2. If not already done, download the latest version of the firmware.
3. Make sure the drone and payload are powered OFF and that the battery is disconnected.
4. Insert the USB storage device into the computer.
5. Open the zip package and copy the firmware binary file on the USB storage device. The firmware binary file is usually named **fw\_xyz.mdpkg**, where **xyz** stands for a version string.
6. Insert the USB storage device back into the payload.
7. Power ON the payload as you would do for a normal flight.
8. The firmware will install automatically. Allow up to five (5) minutes for the process to complete. The payload will reinitialize automatically upon completion. If the installation is NOT successful contact [GeoCue Customer Support](#).
9. Connect to the payload Web UI and observe the status of the payload. Once the payload is fully initialized click "Abort" and the payload will cancel the initialization process and prepare for shutdown.
10. Wait for the payload ready to shutdown indication and disconnect the power from the payload and power the drone OFF.



PROCEED TO VERIFICATION OF THE UPDATE

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VERIFICATION OF THE UPDATE:

1. Remove the USB storage device from the payload and insert it into the computer.
2. Navigate to the USB storage device drive and verify the file extensions changed to .installed on every file. This means the installation of the firmware was successful.
3. GeoCue recommends completing a flight after the firmware update to quality control the data before the next operation.

Please contact [GeoCue Customer Support](#) if you have any questions and /or require assistance.