Flashing Firmware for Your Flight Controller

# Necessary Programs

QGround Control: <https://docs.qgroundcontrol.com/Stable_V5.0/en/qgc-user-guide/getting_started/download_and_install.html>

Balena Etcher: <https://etcher.balena.io/>

# Flashing ArduSub Onto Your Flight Controller

1. Go to <https://firmware.ardupilot.org/Sub/stable/>. Select your flight controller then select the .apj file. This is the firmware for your flight controller.

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1. After downloading an installing QGround Control on your computer, connect your flight controller to your computer via USB.
2. After connecting you should see a screen with a map. The top left should be green and it should say “Ready To Fly.” Click on the Q in the top left corner. Select “Vehicle Configuration” in the window that pops up.

A map of the state of maine

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1. Select “Firmware” in the new screen. It is ok if you do not have the same exact options.
2. Unplug and re-plug in your flight controller

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1. Select “Advanced settings” and then select “Standad Version (stable)” then select “Custom firmware file…” in the drop down. Then press ok in the top right.

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You should see a green bar at the bottom of your screen. Once it reaches the end, your firmware should be done!

Exiting back to the main menu, you will see ArduSub in the top right corner.