Installation

Using the configurator

This is a generic procedure to flash a board using the configurator. The configurator does not yet support all boards, so please check the documentation corresponding to your board before proceeding.

Make sure you have the [Cleanflight Configurator (https://github.com/cleanflight/cleanflight-configurator)](https://github.com/cleanflight/cleanflight-configurator) installed, then:

- Connect the flight controller to the PC.
- Start the Cleanflight Configurator.
- Click on "Disconnect" if the configurator connected to the board automatically.
- Click on the "Firmware Flasher" tab.
- Make sure you have internet connectivity and click on the "Load Firmware [Online]" button.
- Click on the "Choose a Firmware / Board" dropdown menu, and select the latest stable version for your flight controller.
- IMPORTANT: Read and understand the release notes that are displayed. When upgrading review all release notes since your current firmware.
- If this is the first time Cleanflight is flashed to the board, tick the "Full Chip Erase" checkbox.
- Connect the flight controller board to the PC. Ensure the correct serial port is selected.
- Click on the "Flash Firmware" button and hold still (do not breathe, too).
- When the progress bar becomes green and reads "Programming: SUCCESSFUL" you are done!

Manually

See the board specific flashing instructions.

Upgrading

When upgrading be sure to backup / dump your existing settings. Some firmware releases are not backwards compatible and default settings are restored when the FC detects an out of date configuration.

Backup/Restore process

See the CLI section of the docs for details on how to backup and restore your configuration via the CLI.