

## Introducing Copter

- Key features

- Getting started

- Learn more about Copter

  - How multicopters work

  - Choosing a multicopter frame

  - Choosing an Autopilot

  - Choosing a ground control station

  - Building your own frame

  - Multicopter Safety

  - Ready to Fly vehicles

  - Supported vehicle types

  - User-Case Overview

## AutoPilot Hardware Options

- Open hardware

  - F4BY

  - CubePilot BNLack

  - Holybro Pix32

  - .....many more to print here

- Closed hardware

  - Holybro Kakute F4

  - Mamba F405

  - ... many more to print here

- Linux Based Autopilots

  - BBBMini

  - Beagle Bone Blue

  - Blue Robotics Navigator

  - Obal Board

  - PocketPilot

- Firmware limitations

  - Firmware limitations

- Discontinued boards

  - CUAV V5

  - Intel Aero

  - Mateksyus F405

  - ... many more to print

- Schematics

## First Time Setup

- Install Ground Station Software

- Autopilot System Assembly

- Loading Firmware to boards with existing Ardupilot firmware

- Loading Firmware to boards without existing ArduPilot firmware

- Connect Mission Planner to ArduPilot

- Configuration

## First Flight and Tuning

- Pre-arm Safety Check

- Arming and Disarming

- Pre-Flight Checklist

- Getting Off the Ground - Tips for new operators

- Tuning

- Measuring Vibration

- Setting Hover Throttle

- Save Trim & Auto Trim

- Thrust Loss and Yaw Imbalance Warnings

- Indoor Flying

## If A Problem Arises

- What to do if you have an issue

- Copter Common Problems

- Free RAM Issues

- H7 AutoPilot will not initialize