Frisbee Flight Users Guide

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1 Introduction

1.1 Scope

This document describes the Frisbee Flight Controller (FFC), including its functions, hardware, software, and usage guidelines.

1.2 Background

1.3 Usage Overview

1.4 Reference Documents

The following documents were used for the creation of the FFC and are available in the references directory.

Table 1: Reference Documents

Document	Description
ESP32 Feather V2 Guide	cell
ESP32 Feather V2 Pinout	cell
ESP32 Feather V2 Schematic	cell
ESP32 Pico Mini Datasheet	cell
MPU6050 Datasheet	MPU general use document with useful information regarding the use cases and adjustable parameters inside of the MPU that can adjust the functionality of the IMU readings.
MPU6050 Register Map	Listing and descriptions of the usable read and settings registers on the MPU6050. There are extensive references between both of the MPU6050 documents.

1.5 Functional Overview