

**FPVTOOLS**



# **DRAGON**COMMANDER

PRODUCT SPECIFICATION

VERSION 1.1

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## **Introduction**

The DragonCommander is a new product that has been exclusively developed for the DragonOSD. The product is made out of two parts: The mobile application and the wireless board. The wireless board connects directly to the serial interface of the DragonOSD while the mobile application allows viewing and modifying any setting and functionality of the DragonOSD.

The following document explains the features and functions of the wireless board as well the mobile application.

## Application Features

- **Two Multifunctional Displays (MFD)**
  - MFD#1 displays Power and Memory Information.
  - MFD#2 displays Device and GPS Statuses.
  
- **Configuration of DragonOSD Settings**
  - Easy to use dialogs to adjust complex values on a touch screen.
  - “Live” feature allows updating the DragonOSD instantly to see the impact of different settings such as Ladder Styles.
  
- **Flight Logs**
  - Automatically synchronizes flight logs from the DragonOSD.
  - Keeps all Flight Logs saved in the mobile device until deleted.
  - Three different types of logs are created:
    - Raw: Flight Log file from the DragonOSD.
    - KML: Flight Log for display in Google Earth/Maps.
    - KML (Mobile): Mobile optimized version of the KML Flight Log.
  - KML Features:
    - All values in metric and imperial units.
    - Flight Path: Ascending and Descending Flight Paths.
    - Flight Details: Takeoff, Landing, Highest Altitude, Furthest Distance.
    - Flight Points: Each recorded interval with Position, Altitude, Heading and Flight Time data.
    - First Person View: Replay the Flight Log using Google Earth’s Touring Feature.
  
- **Mission and Waypoint Editor**
  - Unlimited Missions.
  - Military Styled Waypoint Icons.
  - Easy to use Waypoint Touch Interface. Waypoints are adjustable via touch and drag.
  - Different Map Styles and Types: Normal, Bright, High Contrast, Satellite and Terrain.
  - Advance Planning Tools such as Transmitter Range Indicator and Hitpoint Display.

- Direct upload of Missions to the DragonOSD.
  
- **Offline Mode**
  - Allows accessing the Log Files and Mission Editor while not connected to the DragonOSD.
  
- **Other Features**
  - Different Display Modes allows for reading the display in various light conditions.
    - Default: Dark/Color Scheme - Low to medium light conditions.
    - Day: Medium Dark/Color Scheme – Medium to bright light conditions.
    - Night: Black/Red Scheme – Very low to low light conditions.
    - High Contrast (HC): Black/White Scheme – Bright to super bright light conditions – optimal for full sunshine conditions.
  - Save/Load Configuration – Allows for keeping different types of configurations.
  - Export/Import Configuration – Allows to export/import configurations/missions between the PCCommander and the Mobile Application.
  - Wizard Applications – A subset of applications useful to configure the DragonOSD:
    - RSSI – Calibrate the RSSI
    - Voltage Calibration
    - Current Calibration
  
- **Supported Platforms**
  - Android 2.3.x Phone/Tablet with high resolution screen (at least 800px vertical)
  - iPhone 4/4G
  - iPad (any generation) with iOS 5.x

## Wireless Board Specification

### Technical Data

Name	DragonCommander Wireless Board
Type	Bluetooth UART RS232 Module
Bluetooth Specification	V2.0+EDR
Output Power Class	Class 2
Input Voltage	3.6V to 6.0V
Operating Voltage	3.3V
Coverage	<30ft
Dimensions	27.2 mm x 12.8 mm x 2.5mm
Weight	9.6g / 0.3oz

### Package Content Details

1x DragonCommander Wireless Module

1x Color-coded serial cable for DragonOSD

1x On/Off switch for outside mounting

1x DragonCommander Sticker

1x Manual



## Contact

Please direct any questions or comments to [sales@fpvtools.com](mailto:sales@fpvtools.com)