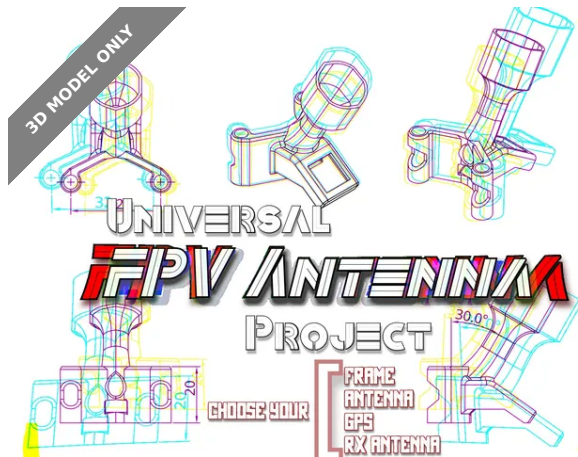




The FPV Antenna Project: Universal FPV Drone U.FI for O3/Vista/ walksnaill,etc +VTx



Tim O'Brien

[VIEW IN BROWSER](#)

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Summary

Stop scrounging for random disparate designs for different quads, configure one for everything you need!

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[speedybeemario5](#)[mario5](#)[itsfpvera](#)[itsfpv](#)[haksjoocy](#)[djio4](#)[djio4pro](#)

Companion project to my other parametric configurable FPV designs:

Pod O4 Frame	Whoop	Action2, 3-5	AcePro	GoPro Mini	Hero 9-12	Antenna Mount
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Get your perfect antenna setup for your FPV drone. Mix-and-match from 80 frames, 50 antennas, 40 GPS receivers, and several RX antenna options. My flexible on-demand design is ready.

This is an ON-DEMAND design!

Only a few basic configurations are posted here, everything else is made for you (for free) on my [3D Design discord](#). You choose what options, I make you designs, you send me photos of your builds! See the Steps below.

New things:

- **O4 Pro** is out and my design is freshly revamped and perfect for it.
- **O4 Lite** too! It's tiny and works great.
- New SMA antenna mount, single or dual
- I've made a new [Instagram account](#) for showcasing users' prints of my designs!
- [Thingiverse page](#) is live! Go add a ♥ to save it for reference later!
 - post a **make** to show off your build and inspire others!
- Part of my on-demand alive 3D design projects. See the table above and [all the designs in my profile](#)! I've made tens-of-thousands of designs and new friends for pilots all across the globe.
- Look at all the photos of [the makes](#)! Post your own!

Just Follow the Steps!

Step 1: Choose Frame

- Quads I've made mounts for myself/others so far: TBS Source One V5, ImpulseRC Apex, Apex DC, Apex EVO, EVO DC, Micro Apex, AOS 3.5, AOS 5, AOS Cine35, Diatone Roma F5 V2, F7, Banggood Steele 5, GepRC Mark4, Mark5, Martian IV, iFlight Nazgul XL5/Chimera7/etc, Quadmula Siren F5, F3, Flyfish Volador VD5, Supafly Flipmode, SpeedyBee Mario 5
 - New frames supported every day! Over 100 now.
 - See the [Files tab](#) for a few more, organized by manufacturer.
- Most any frame is fair game!

Step 2: Choose Antenna

- DJI O4 Pro dual-bulb antenna
- DJI O3 stock dual-feed antenna
- DJI Vista V2 Antenna
- Walksnail Antenna
- Cherry Antenna
- TBS Triumph Pro Micro
- FlyFish RC O3 short/medium/long
- FlyFish RC Osprey Dual
- Runcam Link
- Foxeer Lollipop, Super Mini etc
- Lumenier AXII 2
- HGLRC Hammer mini
- TrueRC Singularity
- HDzero stock
- Speedybee V2 40mm
- no bulb stalk-only, single or dual
- ...
- Etc. Dozens of different models in my design database now.

Most any:

- U.FL or
- SMA antennas
- Single antenna
- Dual-antennas
- Or no-bulb protection

Step 3: Choose your GPS (or none!)

Name	gen	link	~price	size	weight	rating
Walksnail WS-M181 [w/ compass]	M10	caddx	\$17	18x18x4.6	4.3g	5
HGLRC M100 MINI	M10	hglrc	\$16	15x15x5.2	2.6g	5
Beitian BE220 M8N / BN-220	M10	amazon	\$15	22x20x6	5.3g	4
GOKU GM10 Mini V3	M10	flywoo	\$18	18x18x4.6	4.5g	4
BZGNSS BZ-181	M10	nbd	\$20	18x18x8	4.6g	4
GOKU GM10 Nano V3	M10	flywoo	\$19	12x16x4.5	2.2g	3

Name	gen	link	~price	size	weight	rating
GOKU GM10 Pro V3 [w/compass]	M10	flywoo	\$20	25x25x6	7.2g	2
Matek M80-5883	m8	matek	EOL	20x20x10	7g	2
TBS M8.2 GPS	m8	tbs	\$14	20x22x6	5.2g	2
iFlight M8Q-5883 V2.0	m8	iflight	\$40	20x20x8.5	10g	1
More. many more. Most any GPS.						

This is an example list. I've added dozens more and happy to add more.

Step 4: Choose your receiver antenna mount

- ELRS Low-Profile Mounting
 - single or double mounting (vertical and/or horizontal)
 - low-profile design uses zip-ties or twist-ties to attach
 - great with GPS designs where there's not much room
- ELRS Two-arm mounting
 - Single or Double mounting!
 - See photo below
- TBS Crossfire Immortal T dipole
 - low-profile zip/twist-tie mount or
 - classic two-arm immorta-t mount



Example of my

Step 5: VTX Mounting (New!)

For some frames only I can make an O3 VTX mount. Ask about others if you're interested:

- TBS SourceOne V5 and V3
- SpeedyBee Mario 5
- ImpulseRC Apex and Apex EVO

- → If you'd like others you'll need to measure your frame for me!
 - Measure the center-to-center distance from the rear standoffs to the next-most-forward standoffs. (Where your Air Unit will go)

Step 6: XT60 mounting

Only works on some frames, worth checking if you'd like this feature!



Step 7: Request your configuration!

→ Join my [discord](#) to request your specific custom version!

→ Donations accepted if you're happy with your results and have the means!

→ Also check out my other FPV designs on [my profile](#)!

Step 8: Print settings

- **TPU filament** required.
 - 95A hardness recommended
- Best printed **as oriented** in the STL!
- Use **Tree support**
- Wall thickness:
 - 1 wall for ultra-light builds
 - **2 walls** for most builds
 - 3 walls for bando bashing
- Infill:
 - **15% Cubic** is my general recommendation.
 - 20-30% if you're bashing. Any higher won't help
 - Cubic is best, gyroid is soft and flexible if .. you want that.

Sharing & License & Stuff

The LAST thing I want to do is restrict anyone from sharing. But. PLEASE share links to this printables page, not the STLs. Here's why:

1. This is under active development. The STLs WILL CHANGE and get better.
2. The documentation is really important here, and I'm sure there's stuff I'll be adding as feedback comes in.
3. The community is important, I want people to reach out and join the discord not download some STLs and go it alone.
4. It's just a super dick move to repost designer's stuff. I've spent a long time making, testing, and documenting this and my only reward is

that little stupid 'like' counter, download counter, and photos/stories from users. DON'T DEPRIVE ME OF MY ONE SENSE OF SELF WORTH

The actual license is Creative Commons (4.0 International License) Attribution—Noncommercial—Share Alike. If you'd like to print this commercially then reach out to me with a direct-message on [discord](#) and we can talk. Flying professionally using my designs is fine- though please do consider donating to support my work!

Model files



SpeedyBee

2 files



ant-speedybee-mario-5-o3-gps-none-rx-none-logo-sides .stl

☐ Variations with GPS / Rx antenna mounts made on-demand! See desc.



ant-speedybee-mario-5-o3-gps-none-rx-none-logo-side... .stl

☐ Variations with GPS / Rx antenna mounts made on-demand! See desc.



AOS

3 files



ant-aos-5-o3-30deg-gps-none-rx-none.stl



ant-aos-35-o3-30deg-gps-none-rx-none.stl

☐ (fixed standoff size)



ant-aos-cine35-o3-30deg-gps-none-rx-none.stl



Diatone

3 files



ant-diatone-roma-f7-o3-30deg-gps-none.stl



ant-diatone-roma-f7-o3-30deg-gps-none-rx-none-1.stl



ant-diatone-roma-f7-o3-30deg-gps-none-rx-none.stl



GepRC

1 file



ant-geprc-mark5-o3-30deg-gps-none-rx-none.stl



iFlight

2 files



ant-iflight-nazgul-xl5-partial-o3-30deg-gps-none-rx... .stl



ant-iflight-nazgul-xl5-o3-30deg-gps-none-rx-none.stl



ImpulseRC

2 files



ant-impulserc-apex-o3-30deg-gps-none-rx-none.stl



ant-impulserc-apex-dc-o3-30deg-gps-none-rx-none.stl



Supafly

1 file



ant-supafly-flipmode-o3-30deg-gps-none-rx-none.stl



TBS

2 files



ant-tbs-source-one-v5-o3-30deg-gps-none-rx-none.stl



ant-tbs-source-one-v3-o3-30deg-gps-none-rx-none.stl

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