



# SFPV Regional Rounds '19 Pilot Information Pack

## Sunday 26th May '19

### Location

Suffolk FPV Racers  
Stowmarket Road  
Needham Market  
Ipswich  
IP6 8DX

If you have not been to the SFPV flying site before, the entrance you are looking for can be seen [here](#) on google maps

### Timings

Gates open for arrival at	08:00
Track open for walking at	09:30
Pilot Briefing at	09:45
Racing First Session starts at	10:00
Break for Lunch (weather dependant)	13:00
Racing Second Session starts at	14:00
Results and Awards	18:00

### What to Bring

Don't forget your quad, goggles and transmitter (obviously), you are welcome to bring your own Gazebo if you would like to. It's always a good idea to have a table & chair to use in the pits and a chair for flying if you use one. Plenty of batteries and a generator or another means of charging them for the day would be handy (some SFPV members have generators that will likely be on site, but these could be in use at

various times during the day so having enough capacity for everyone is not guaranteed, but if you are stuck it is likely someone can help you out).

Please don't forget your proof of BMFA or FPVUK insurance if you have not uploaded it to your iFPV profile or sent it directly to us before the day, bring something to drink & eat, a good sense of humour and plenty of props!

## On Arrival

When arriving at the site please drive up to the pit area shown to unload. Once you have unloaded your gear please park your car in the area shown in the adjacent field, no cars to be in the pits after 9:30AM please.

## The Badley Flying Site Parking Map



## Checking In

Please come and check in with one of the organisers at race control immediately on arrival.

You will need to provide your proof of insurance if you have not done this beforehand, and bring your quad with the props off and your transmitter for a failsafe check, the sooner we get this all done and out of the way the more time we have for racing for everybody.

## Video Transmitters

Your transmitter must be **25mW** maximum with support for ALL 8 raceband and fatshark frequencies

It is your responsibility to ensure that your VTx is below the 25mW limit. A power meter will be used at race control throughout the competition.

We will be monitoring the power output of all competitors during the day. If your vtx is found to be bleeding over to another competitor's video channel or you are outputting more than 25mW you will be asked to change your vtx or race with another quad that is compliant.

**You may forfeit your round and risk being disqualified from the competition if you do not comply with this rule.**

**Ensure that you do not power on your vtx whilst anybody else is flying, full stop.**

Any competitor found causing another competitor to lose video through negligence or willful sabotage (including use of the wrong frequency, powering up vtx whilst flying is in progress or exceeding power output levels) **will be penalised, and possibly disqualified from the competition.**

We don't want anybody to have their day ruined by crashing or losing their craft due to losing FPV signal, please use good judgement and give thought to what you are doing every time you plug in a battery during the day, especially if you are repairing / testing.

## Construction Rules

<b>Frame size</b>	330mm maximum diameter (across motor shaft centres)
<b>Props</b>	6" maximum (plastic only)
<b>AUW</b>	1kg
<b>Batteries</b>	6S maximum, HV allowed (all batteries must be charged safely and within manufacturers' guidelines)
<b>VTx</b>	25mW <b>maximum</b> with support for <b>ALL 8 Raceband and Fatshark frequencies</b>
<b>Failsafes</b>	All aircraft must be setup to cut motors COMPLETELY in the event of signal loss. If your flight controller has a condition for receiver connection loss then that should also be set to cut motors.
<b>Transponders</b>	We will be using VTX timing so no transponders are required for this event.

## Race Format

- To maximise throughput and simplicity, you will remain in the same heats and use the same video frequencies throughout the qualifying stage. Heat lists are already published and are available [here](#) they will also be available on the screen at race control in the pit area.
- Qualifying heats will consist of **5/6 competitors** each and will be labelled numerically (1, 2, 3, etc.) - please remember and listen for your heat number so that you are ready in plenty of time for your spotting and your races.
- For each race, you will have **2:00 / 2:30 minutes** to complete as many laps as you can in the time.
- After each round, all pilots will be sorted by the number of laps completed, followed by the time taken to complete them, mains qualification is also based on your total number of laps completed and the time taken.
- We are hoping to run one practice round and then **seven/eight** qualifying rounds. Your best **five** scores will be used to calculate your overall qualifying position for the main finals (this may be adjusted based on time available on the day)



- After qualifying you will be sorted into finals of **5/6 pilots**, we will then run finals for all, first to 5 or 6 laps.

## Racing Infringements

- Competitors who miss a gate / obstacle must make an attempt to retry that gate / obstacle, giving priority to any other competitor on the track whilst doing so.
- Competitors who gain advantage through a shortcut or jumped start must forfeit that advantage immediately by waiting off the racing line and rejoining at their appropriate position (and only when it is safe to do so).
- Repeated violations will result in a score of zero for that round and possible disqualification from the event.

## Event Protocol

- **The track is strictly off-limits** unless a member of Race Control explicitly declares it safe to enter.
- The pilot briefing will be held once all pilots are checked-in **You will not be permitted to fly until after you have attended the pilot briefing** - so don't be late!
- Please charge your batteries in a **sensible location** and follow all safety precautions.
- Please familiarise yourself with setting your VTx to any of the 8 raceband or Fatshark frequencies and expect that **you could be asked to change at any time** between rounds.
- Please be ready for your race before the previous one ends - race intervals will be on an automated timer and **competitors will not be permitted into the track area once the 30s countdown has begun..**
- If you have a technical difficulty during setup that cannot be fixed before **the 10s countdown has begun then you must leave the track with your aircraft** and forfeit the round.
- After your race is over, please land your aircraft as quickly as possible so that we can prepare for the next race. We are on a tight schedule so **no freestyle acrobatics** please. When the flight director

declares the track clear, please retrieve your aircraft and power it off as quickly as possible.

- You must fulfil the role of 'spotter / competent observer' for the race immediately before your own. Competitors in the first race in each round should spot for the last race.
- Please **do not fly anywhere outside of the dedicated track area** without express permission from the Race Director (which will only be granted in exceptional circumstances).
- Please keep race control and the pilot stations clear of distractions so that the Race Director can see and hear everything that is happening, and can communicate with the spotters or pilots when necessary. Nobody other than the pilots for the current round and the spotters for that round are permitted in the pilot area during the race.

**Failure to comply with safety rules or announcements will result in instant disqualification from the event.**

## Food & Drink

Please bring this with you, although there are plenty of places near the site to get food, if we have a weather delay we may not stop for lunch, so be prepared.

## Rubbish

Please respect our site and the environment, there is no need or excuse for leaving rubbish lying around or treating the site in a disrespectful manner during the event please.

## Questions

If you have any questions about the weekend then please come and ask in our facebook group [here](#) or drop us an email at [suffolkfpvracers@gmail.com](mailto:suffolkfpvracers@gmail.com)