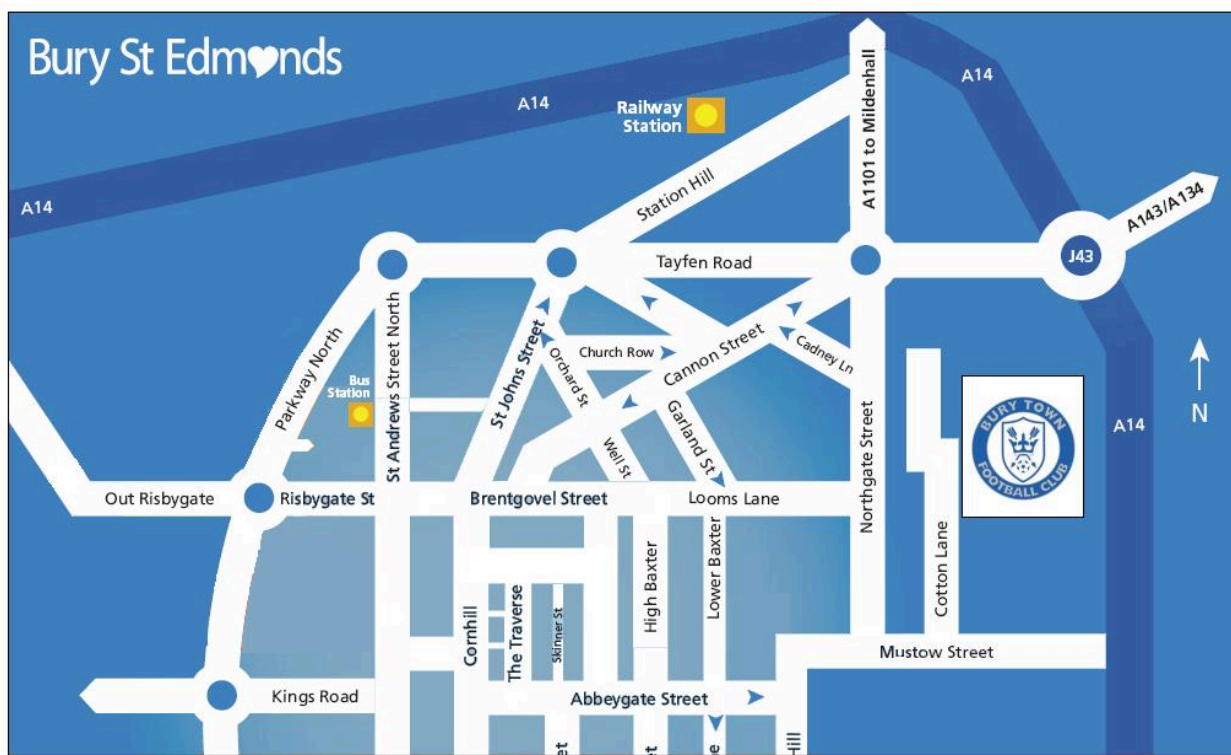




SFPV BQE/FPV 15/07/18 Pilot Information Pack

Location

Bury Town Football Club
Frames Conservatories Ram Meadow Stadium
Cotton Lane
Bury St Edmunds
Suffolk
IP33 1XP



Exit the A14 at Junction 43 and take the first exit at the Roundabout into Northgate Street. At the traffic lights, turn left into Mustow Street, and then first left into Cotton Lane. Ram Meadow is located just past the Car Showroom on the right.

On reaching the ground you will find it is next to a large pay and display car park, please find a space as close to the ground as you can. Parking cost for the day will be £2.30. Please do not park in the club car park as this is for staff and players only.

Timings

Gates open for arrival from	08:00
Track open for walking at	09:30
Pilot Briefing at	09:45
Qualifying First Session starts at	10:00
Break for Lunch	13:00 approx
Qualifying Second Session starts at	13:45
End of Qualifying	16:00 approx
Finals	16:15 approx
Results and Awards	18:00

What to Bring

Don't forget your quad, goggles and transmitter (obviously), the pit area will be undercover in the stand but you are welcome to bring your own Gazebo if you would like to. But please bear in mind that there may not be ground that you can use tent pegs to hold them down. So if it is windy make sure you can secure the legs down another way. It's always a good idea to have a table & chair in the pits and we don't have any to provide. Also there are none we can use at the club so please bring them if you want them. Bring a chair for flying if you use one. Bring plenty of batteries and a generator (these are allowed) 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, unfortunately we cannot use the club power for this).

Please don't forget your proof of insurance if you have not provided already, Come with a good sense of humour and plenty of props!

On Arrival

When arriving at the site please enter via the turnstiles shown by the red arrow.

Race control will be in the area marked in Blue.

The area marked in Red (including under the stand) is where you can set-up, but the area on the east side is an overflow which we only use if needed. If we can all fit in to the south end it would be preferred for separation from the track.

The Ram Meadow Flying Site 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 so and bring your quad(s) you are using for the day 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. Please send all the info you can to us before the day to save as much time as possible.

Video Transmitters

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

It is your responsibility to ensure that your VTx is below the 25mW limit. A power meter will be available at race control for checking power output throughout the competition if needed.

We may spot-check power output of any competitor during the day. If you are found to be bleeding over to another competitor's video you will be asked to check your power output, if this is over the 25mW limit **you may forfeit your round and risk being disqualified from the competition** so please make sure your gear is sound.

Ensure that you do not power on 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 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. Just make sure your VTX is unplugged, it is not rocket science.

Construction Rules

Frame size	330mm maximum diameter (across motor shaft centres)
Props	6" maximum (plastic only)
AUW	1kg
Batteries	6S maximum, HV allowed (all batteries must be charged safely and within manufacturers' guidelines)
VTx	25mW maximum with support for ALL 8 Raceband frequencies
Failsafes	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.
Transponders	We will be using an I-Lap compatible timing system at this event. Please ensure you have a working I-Lap (or compatible) transponder. It is your responsibility to ensure that you have a working transponder. Your transponder will need to face to or have at least one IR LED facing to the RIGHT when viewed from the back of the quad. Please note, we have no transponders available to use, you will need to bring your own.

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 will be published and available on our facebook page and the iFPV event calendar page. They will also be available on the screen and on printouts at race control in the pit area.
- Qualifying heats will consist of **5 competitors** in each and will be labelled numerically (1, 2, 3, etc.) - please remember and listen for the

current heat number so that you are ready in plenty of time for your spotting and your races.

- For each race, you will have **2 minutes** from crossing the start/finish line to complete as many laps as you can in the quickest 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 based on your total number of laps completed and the time taken.
- We are hoping to run **seven** 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.

Racing Infringements

- Competitors who miss a gate / obstacle must make an attempt to retry that gate / obstacle at least once, 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 at 9:45 **You will not be permitted to fly until you have attended the pilot briefing** - so don't be late!
- There will be **no Flip Over After Crash / Turtle Mode** allowed for this qualifier. If you crash and you land upside down your round is over (very old school). We are racing on a football pitch which is the main asset for the club. If we start tearing up the newly laid grass with

props unnecessarily this close to the start of their season it will cause them big issues. Anyone found wilfully breaking this rule and using flip over/turtle is likely to face **disqualification**. By attending the event you are agreeing to the clubs terms and conditions, one of which is that any wilful damage to the pitch will result in a **£100 charge for repair for the person that causes the damage, not SFPV**, so please respect this rule absolutely.

- 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 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 countdown timer reaches 10s then you must leave the track with your quad** and forfeit the round.
- After your race is over, please land your aircraft as quickly as possible in the landing area 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. Come to spot with your quad and everything you need to race so you can go straight out when the track is clear. We have a lot of pilots to get through, if you are not ready there is a high chance you will lose out on rounds.
- Please keep the pilot area clear of ground stations and chairs, when you have finished your round please move yours away so that the next pilots can get to their spot.
- 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 area quiet and clear of distractions so that the Race Directors 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.

Raceband Frequencies

We will be using the below 6 Raceband frequencies for this event.

Raceband	Raceband	Raceband	Raceband	Raceband	Raceband
#1	#2	#4	#5	#7	#8
Raceband 1	Raceband 2	Raceband 4	Raceband 5	Raceband 7	Raceband 8
5658MHz	5695MHz	5769MHz	5806MHz	5880MHz	5917MHz

However we may also need to use other frequencies at any time so ensure you can select others on your equipment if needed.

The heat will show the frequency that you should select for your qualifying rounds, please come to the race with any quads that you plan to use already set to this frequency.

Food & Drink

The club will be serving food to purchase from the hatch for us all day. There will be Bacon rolls available from 10AM, and Burgers / Chips etc. available lunchtime through to around 15:30.

The Bar will be open selling hot and cold drinks, though please bear in mind that flying is the same as driving and you should limit your alcohol consumption in the same way.

Anybody deemed under the influence of alcohol too much to fly will forfeit their continued participation in the racing.

Rubbish

Please respect the site and the environment, there will be plenty of rubbish collection bins on site, please use them. There is no need or excuse for leaving rubbish lying around or treating the site in a disrespectful manner during the day please.

Illegal Substances

No drugs in the stadium at all please.

Language

It is likely that there will be spectators coming to watch during the day, more than likely there will be families with small children. Please bear this in mind when you are using the public areas (bar/hatch/toilets) and try not to drop as many F & C bombs as you may do usually hey! Let's try to give as good an impression for our sport as we possibly can at all times 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