



Pilot Information pack

Freestyle

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Drone Specification

The below specifications are mandatory for the event, and all pilots are expected to follow these rules.

- Frame size 180mm – 290 mm (diagonal motor to motor)
- Power 3S – 4S maximum (HV Batteries are allowed)
- Props 7" maximum size (plastic only)
- VTX Connex Prosight Digital system (Pilots will receive a system 7 days prior to the event to allow them time to fit the VTX, Camera and Antenna) full fitting instructions will be sent with the VTX
- Control 2.4 Ghz
- Fail safe set to cut motors after a max 3 sec delay (staged failsafe which levels first before motor cut is allowed)
- The use of GPS, Sonar and other auto pilot devises are not permitted

The below specifications are not mandatory but are allowed.

- Take off legs and take off stands are allowed to a max angle of 30 degrees
- HV lipo batteries are allowed
- LED's are not mandatory but are allowed
- Canopies are allowed
- Camera gimbals are allowed
- The use of smoke emitters is allowed

Pilots are allowed to have a spotter/Friend with them while they compete and to give live time advice to the pilot.



Technical Details

Due to the scale of the event which will have 3 simultaneous flight lines running at the same time, it is necessary to minimise the possibility of video issues. This is particularly important for the individual races as 8 pilots will compete in each heat. Therefore, identical VTX need to be installed on each drone to ensure consistency and the best chance of an event free from video issues.

The system chosen for the Euro Cup freestyle finals is the Connex ProSight Digital system. This system will allow the freestyle competition to continue while the main races also run.

Technical engineers from Connex will be on hand to assist with fitting tuning or any other potential issues you may have.

Race Format

Below are the basic details of the race format for the Euro Cup finals.

- Freestyle pilots be split into 2 shifts A + B
- 2 days of qualifying will take place on Friday 7th – Saturday 8th October
- Each Pilot will have 3 minutes to perform their display
- During this 3 minutes' pilots may recover a crashed quad and make any repairs needed. Pilots can also change batteries. However, the frame must remain the same, therefore the changing of arms plates etc. is not allowed.
- During any recovery, repair or battery change, the 3-minute clock continues to count down.
- Pilots will be judged on a number of criteria and will lose points for crashes.
- Displays should be set to music which must be chosen and supplied by the pilot
- Points will be awarded for the most creative use of music in the display
- The top 3 pilots will go through to the final.



Event schedule

On Wednesday 5th of October, a free-flight area will be provided for pilots to practise and train. This will be situated at the main completion arena.

Thursday AM ... Pilot registration and briefing followed by Shift A practise heats

Thursday PM... Practise heats for shift B

Thursday Eve... Team Relay round 1

**Thursday Eve after the races there will be an opening ceremony at the Champions Village followed by Hot food and music.

Friday AM ... Qualifying heats for shift B + Freestyle shift A round 1

Friday Lunch... Special Entertainment from the Rotor Riot Team

Friday PM... Qualifying heats for shift A + Freestyle shift B round 1

Friday Eve... Team Relay round 2

**Friday Eve after the racing there will be hot food and live entertainment at champions village this will be provided by a jam band. Any pilot wanting to do a "turn" will be welcome to join the band on any instrument or as a singer.

Saturday AM... Qualifying heats for shift A + Freestyle shift B round 2

Saturday Lunch... Special Entertainment from the Rotor Riot Team + special guest

Saturday PM... Qualifying heats for shift B + Freestyle shift A round 2

Saturday PM... ¼ final knock out

Saturday Eve.. Team Relay ¼ final

**Saturday Eve there will be hot food and a pool party at Champions village with very special guest entertainers on stage including famous Ibiza DJ's and singers.

Sunday Lunch... Freestyle Final

Sunday PM... Individual Semi Final

Sunday PM... Individual Final

Sunday PM... Team semi Final followed by Final

***Sunday Eve at champions village there will be a closing ceremony and prize giving followed by after show party.