



Pilot Information pack

Manufacturers Cup

Drag Races

Contents

1. Drone specification
2. Technical details
3. Race Format
4. Event schedule

Drone Specification

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

- Frame size 180mm – 350 mm (diagonal motor to motor)
- Power 6S (HV Batteries are allowed)
- Props 8" maximum size (plastic only)
- VTX Analog which will be supplied (see technical details for more information) or Connex ProSight Digital system (ground stations supplied)
- Control 2.4 Ghz
- Fail safe set to cut motors as soon as signal is lost, Kill switch must also be set up on a switch on the transmitter for safety reason.
- The use of GPS, Sonar and other auto pilot devices are not permitted
- Adjustable angled tack off platform will be provided

The below specifications are not mandatory but are allowed.

- HV lipo batteries are allowed
- Additional LED's above the mandatory ones are allowed
- Canopies are allowed
- Camera gimbals are allowed

Pilots are allowed to have a spotter/Friend with them while they compete and to give live time advice to the pilot but this must be one of the other team members.



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 finals is the ImmersionRC Tramp HV system in conjunction with their new wand technology. The Tramp HV VTX system has been used at several Euro qualifier events and has proven to be of high quality and reliable.

The addition of the Wand means that in “Pit Mode” pilots can safely power up in the pit area without adversely affecting the racing. This means that for the first time at an event we will have a safe testing area, where pilots will be allowed to power up and hover test their drones at any time during the event. A receiver and screen will be provided which will allow pilots to test their video feed. This is a great advantage not only to the event but to you the pilots.

The technical manual for the Tramp HV system is available on the Euro Cup site www.ersa-cup.com

Race Format

Below are the basic details of the race format for the Euro Cup finals. (Drag Racing)

- Teams will race in heats of 2 teams per heat
- each heat is an all-out race along a ¼ mile straight track
- points will be awarded for completing the race and additional points for a win
- Qualifying rounds will determine which teams go through to the knockout stages
- The top 4 teams go through to the semi Final
- Team kit, flags and promotional banners are allowed in the drag race area (Be loud and proud)
- Separate prize for the fastest Drone of the competition
- Semi final and final will be held on Sunday afternoon 9th October

Due to Pilots being involved in numerous other events, the drag race schedule will be fluid throughout the 4 day event. Plenty of notice will be given to teams to prepare for races as well as practise runs.



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.