



2023
MULTIGP[®]
INTERNATIONAL OPEN

presented by 
TEAM BLACKSHEEP
SERIOUS TOYS



Welcome

MultiGP is excited to host the world's largest gathering of First-Person View Pilots at the Academy of Model Aeronautics Headquarters this June 28th-July 2nd, 2023, in Muncie, Indiana, USA. In its seventh year, we continue to grow the Drone Racing Theme Park concept, where you get to choose your own adventure while meeting pilots from around the Globe.

200+ Pilots attending, a plethora of great Sponsors, Partners and Vendors supporting, and event management by a passionate team of volunteers is what makes this event special. Thank you for attending, enjoy the **2023 MultiGP International Open** presented by **Team Blacksheep!**

“

FPV is about putting enough focus into flying to become the machine.

”

-Chris Thomas

Powered by passion, fueled by volunteers

The 2023 MultiGP International Open presented by TBS is a unique large-scale event that requires management and labor almost year-round. From organizing dates, accommodations, marketing, logistics, and travel, to mowing grass for each track, building gates and hanging goggle cables, to registering pilots, tech inspecting quads, building heats and generating brackets, to packing up gear for another IO, posting results and doing laundry and a million parts in between, this event wouldn't be possible without our Pilots' attendance and our generous Sponsors - but most notably our IO Volunteers! Even most of our year-round MultiGP corporate staff are here on their own time to make this event possible.



Though as a Pilot you paid admission, and we fully understand that and are accountable for your experience, we simply ask that you recognize that pilot fees do not cover the expenses of

this event, and if it weren't for the vast-numbers of volunteers, your admission price would be much higher.

Whether you appreciate saving money, or you simply enjoy this event, please take a second at some point to thank someone in a red shirt or black official MultiGP Jersey (our Volunteers).



They are the Champions that make this event happen.

Photo Courtesy of Paul Park

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Pre-Event Checklist

Mandatory

- 25 mW VTX MAX (ALL AIRCRAFT)
- Crossfire and other 900mHz Control @ 100mW MAX, Telemetry Off
- Ghost, Tracer, ExpressLRS set to 100mW output
- LHCP & RHCP Antennas and ability to switch (Dipoles only allowed on micros)
- Pilot Name on OSD or Cam OSD
- AMA/MAAC Membership (if International, AMA Affiliate Membership)
- Event Ticket (Purchased from MultiGP.io)
- North America Power Adapter (if International)
- Replacement Parts
- Lots of LiPo's or Charger!
- Great Attitude
- Sense of Humor

- VTX Pit Switch (if desired)
- WiFi HotSpot must be turned off
- Goggles, Modules, and Transmitter modules must have the Wi-Fi turned off
- USB Powerbank
- Cell Phone Charger
- Power Strip & Extension Cord
- Conformal Coating
- Rubber Boots & Rain Gear
- Water bottle (free choice water)
- Sunscreen
- Solo Cups
- Cooler, Ice

Arriving in Indiana by Air

There are two airports that most attendees will be flying into for the MultiGP International Open: FWA Fort Wayne or IND Indianapolis. Both airports are about an hour and thirty minutes from the Academy of Model Aeronautics Headquarters (FWA will be slightly faster during rush hour). The following is a list of car rental providers at or near the airports:

Car Rental Options

Indianapolis International Airport Car Rental Providers

| Name | Phone | Address | Website |
|--------|--------------|--|-------------------------------|
| Budget | 317-260-5820 | 7800 Col. H. Weir Cook Memorial Dr, Indianapolis, IN | <u>Budget</u> |

| | | | |
|------------|--------------|---|-------------------|
| | | 46241 | |
| Enterprise | 317-247-7555 | 7801 Col. H. Weir Cook Memorial Dr, Indianapolis, IN 46241 | <u>Enterprise</u> |
| Dollar | 866-434-2226 | 7801 Col. H. Weir Cook Memorial Dr, Indianapolis, IN 46241 | <u>Dollar</u> |
| Alamo | 800-992-9823 | 7801 Colonel H Weir Cook Memo, Indianapolis, IN 46241 | <u>Alamo</u> |
| National | 317-243-1151 | 7801 Col. H. Weir Cook Memorial Dr #151, Indianapolis, IN 46241 | <u>National</u> |
| Thrifty | 877-283-0898 | 7801 Col. H. Weir Cook Memorial Dr, Indianapolis, IN 46241 | <u>Thrifty</u> |
| Hertz | 317-405-6363 | 7800 Col. H. Weir Cook Memorial Dr, Indianapolis, IN 46241 | <u>Hertz</u> |
| Avis | 317-244-3307 | 7800 Col. H. Weir Cook Memorial Dr, Indianapolis, IN 46241 | <u>Avis</u> |

Lodging

There are several hotels in close proximity to the MultiGP International Open:

| Name | Phone | Address | Website |
|----------------------|--------------|---------------------|--|
| Best Western | 765-282-0600 | 3011 Bethel Ave. | www.bestwestern.com |
| Comfort Inn & Suites | 765-587-0294 | 3400 N Marleon Dr. | www.comfortinn.com |
| Days Inn | 765-288-2311 | 3509 N. Everbrook | www.daysinn.com |
| Fairfield Inn | 765-282-6666 | 4011 W. Bethel Ave. | www.fairfield.com |
| Hampton Inn | 765-288-8500 | 4220 W. Bethel Ave. | www.hamptoninn.com |
| Holiday Inn Express | 765-289-4678 | 4201 W. Bethel Ave. | www.holiday-inn.com |
| Lee's inn | 765-282-7557 | 3302 N Everbrook | www.leesinn.com |
| Signature Inn | 765-284-4200 | 3400 N Chadam Ln. | www.signatureinn.com |

| | | | |
|-----------------------|--------------|-----------------------|--|
| Super 8 | 765-286-4333 | 3601 W Fox Ridge | www.super8.com |
| Courtyard by Marriott | 765-287-8550 | 601 South High Street | www.marriott.com |

IMPORTANT NOTE: Both Comfort Inn and Courtyard by Marriott have special discounts for AMA members (mention when you secure accommodations).

Restaurants

Below you will find several local eateries in the Muncie area.

| Name | Phone | Address | Website |
|-----------------------------|--------------|-----------------------|---|
| Amazing Joe's | 765-288-9470 | 909 N. Wheeling Ave | http://www.amazingjoes.com/ |
| Savage's Ale House | 765-282-9962 | 127 N High St | Facebook Page |
| The Downtown Farm Stand | 765-288-3775 | 125 E Main St | http://www.downtownfarmstand.com/ |
| Scotty's Brewhouse | 765-747-5151 | 1700 W University Ave | http://www.scottysbrewhouse.com/ |
| Tuppee Tong Thai Restaurant | 765-284-3101 | 310 W Main St | Tuppee Tong |
| Greek's Pizzeria | 765-284-4900 | 1600 W University Ave | http://www.greekspizzeria.com/ |
| Damask Cafe | 765-273-7338 | 3201 W Bethel Ave | http://wp.damaskcafe.com/ |

Golf Cart Rental

Golf cart rentals will be through a Professional Golf cart company. The rate is \$300 for Wed-Sun for a 4 person golf cart. MultiGP is not taking payments or bookings directly, we just locked in this amazing rate for our pilots. The golf carts will be delivered to the main stage for pickup on June 28. The deadline to order is June 16th.

To book your golf cart please visit, <https://wgcsrentals.com/2023-multigp-international-open/>



General Information

The Academy of Model Aeronautics Headquarters is a 1,200 acre facility, and the MultiGP International Open will be spread out all across the grounds. Due to the size of the venue, planning how you are going to get from field to field is important. Pilots who are driving to the event will have the ability to move about the facility with ease, and parking will be available at each of the fields for the pilots.

PLEASE NOTE!!! VEHICLES OTHER THAN GOLF CARTS WILL NOT BE PERMITTED ON FLYING FIELDS!

We also recommend that if you have an electric scooter, skateboard, Segway, etc. that you bring it for your navigational ease.

Do not walk on Drone Race Courses or traverse flying sites unless retrieving your craft at the direction of a Track Leader, Race Director or Flightline Director.

Please obey all posted speed limits, give right of way to pedestrians and be respectful of the property.

Registration Area On-Site

When you arrive on site, you should first stop at the registration area. Registration will be in the AMA Museum building on the right hand side when you pull into the AMA facility on Wednesday and Thursday. The remaining days registration will be at the main stage location. Registration is open from 8am to 3pm Wednesday through Saturday.

You can't proceed through inspection unless you have a ticket. Don't have one? Visit multigp.io while you are in line and buy your ticket! The staff at registration will check your ticket and issue your pilot badge. Pilots must have AMA membership card in hand. A pilot must have a **full, current AMA membership**. If you are from another country and you need AMA membership, you can purchase an affiliate membership for \$36/year. The following form must be filled out for an affiliate membership, and may be filled out on site: <https://www.modelaircraft.org/files/902.pdf>. Canadians aren't required to purchase affiliate memberships if they are MAAC members due to the AMA-MAAC reciprocal agreement.

At the registration table you will be given your badge and lanyard. In addition you may receive a bag with items from our sponsors. The lanyard has a place for your name and QR code for scanning into ZippyQ to que in each track. You may also use the QR code on the Racesync mobile app, or however you have it stored. Your racing group will also be confirmed here and T-Shirt if ordered at the proper time.

At Registration there may be Tech Inspection in addition to Check-in.

Please be prepared for:

- Propellers off of all Quads, All Sizes
- Failsafe Check (Radio Signal Loss). Arm quad, then turn off radio and motors should stop.
- Crossfire / other 900mHz control check (if applicable) - 100mW, No Telemetry, should be a blue LED on the module.
- Tracer, Ghost and ExpressLRS Transmitter module set to 100mW
- Video Transmitter Power 25mW Maximum
- Name on OSD / Camera OSD

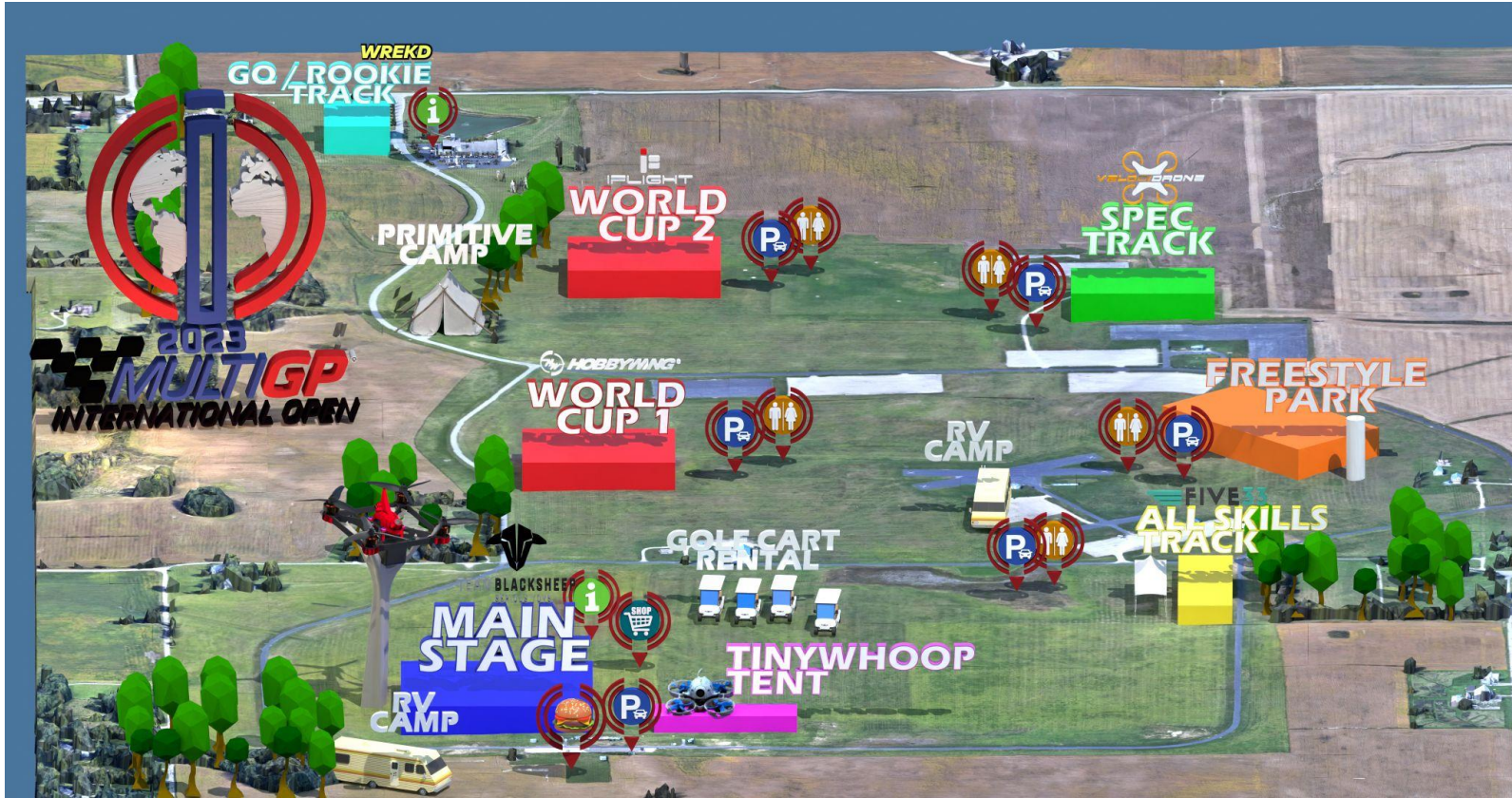
Once you are checked in, you are welcome to head to a track of your choosing. **If you are new to FPV Racing or large Drone Events, please start your weekend at the Rookie Track to get acquainted and comfortable.**

Swag Available On-Site

We will have a variety of MultiGP swag available for patrons and pilots to purchase in the Vendor Village. As mentioned above, registered pilots may receive a complimentary MultiGP Swag bag with a few goodies inside. All patrons and pilots may purchase Official MultiGP water bottles, hats, t-shirts and more. Hours of the MGP Swag Booth may vary.

Track Location Map

(Track locations may be altered due to weather conditions.)



On-Site Vendor Presence

There will be multiple vendors at the vendor village during the 2023 MultiGP International Open presented by TBS. These vendors will have a full variety of the different components that they will be offering for sale. Looking for a certain brand of prop? Find it at their booth! The vendor village can be found next to the flight-line at the Main Stage track. Please support those that support you! The following vendors will be present at the 2023 IO:

- iFlight
- Five33
- WREKD
- Radiomaster
- Gemfan
- HDZero
- Hobbywing

On-Site Concessions

On-site concessions will be provided by food vendors selling standard “food-truck” style concessions at the vendor village located at the Mainstage Track. Check out that all time favorite pork tenderloin!

WREKD Recycling-Battery Disposal

WREKD is providing recycling receptacles at EACH IO track for all smashed, trashed and otherwise unusable quad parts! They can recycle everything from props, to arms, to lipos! Look for the WREKD branded recycling bin at each track - OR at the WREKD vendor booth at Main Stage! Bring your dead lipos to the booth and you'll get a ticket to be entered into a PRIZE DRAWING at the end of IO!

Trackside Hospitalities and Charging

Portable restrooms, wash sinks, and complimentary water will be provided at each field at the 2023 MultiGP International Open. There will also be fire extinguishers and basic first aid kits at each field for emergency situations. Power will be provided at every flightline. New this year we have capitalized on “shore power” in most instances, though a handful of tracks will be on a pair of generators where available. There will be at least one power service for the Flight Line and one power service for the Pilot Pits. That said, generators can overheat or stop running due to large loads, so please follow these two protocols:

- A. Power is limited, each line is 15a-30a. Don't overload the line with unnecessary power draw (i.e. fans, multiple power supplies, coffee makers)
- B. Some tracks will have a designated area specifically for the placement of chargers, use these areas if provided.

WREKD Quad Repair Station

IO is all about racing and in racing there is breakage. It's not easy to repair on the tiny Pilot Pit tables, full of quad gear! Stop by the WREKD vendor village booth to take advantage of the portable repair station. This is a complete repair station with power, solder irons, and magnifying glasses for all the over 40 pilots so you can fix your own quad.

Camping

To book your campsite, please visit for the latest availability and rates.

Primitive Camping – No electricity or water \$5 per night for AMA members \$10 for non-members.

RV/Motorhome – No electricity or water \$5 for AMA members \$10 for non-members per night.

RV/Motorhome – With electric hookup \$17 per night for AMA members \$25 for non-members (total number of electric hookup sites 39), stay six nights and seventh night is free. We do have six full-service spots (two are on reserve) at a cost \$20 per night for AMA members, \$35 for non-members, stay six nights and seventh night is free.

An RV dump station is available on site.

Due to Indiana State Board of Health requirements, all campers (primitive & RV) MUST register at one of the above-mentioned locations. If someone arrives after hours, he/she should register first thing the next business day. This will be monitored closely!

For any other camping details please contact AMA at (800) 435-9262

Dogs

Dogs must be on a leash at all times. You are also required to clean up areas that your pet uses.

Places to Fly

Flying FPV or Line-of-site is only permitted in designated areas. Long-range flights are not allowed (even if within Line-of-sight). Non-racing UAV's, i.e. Phantom's & Mavic's are not permitted unless permission is specifically provided by a Track Leader.

EMT Presence

For the safety of all those attending the MultiGP International Open there will be volunteer EMTs roaming the grounds. If you require their immediate assistance please contact the closest Track Leader or MultiGP representative.

Emergency Contact Information

If any emergency situations arise during the MultiGP International Open please use these contact numbers according to the situation:

Serious Emergency (Injury, Fire, etc.) - 911

Event Concerns - MultiGP - 321-549-3002

Hospitality Concerns - MultiGP - 321-549-3002

HELP! I NEED INFORMATION!

We are here to help, and you have many ways to get your question answered:

1. First check www.MultiGP.com for links to results, schedule updates, and event updates
2. Consult this Pilot Manual
3. Ask a member of our Volunteer Crew
4. Ask a Track Leader (Race Director/Scoring person of each track)
5. Ask a member of the MultiGP Corporate Team

How to spot event staff

The MultiGP International Open Volunteer Event Staff will be easily recognizable by their smiling faces, and their red crew T-Shirts or official Multigp Jersey's:



Rules

No Smoking in Tents

No smoking or vaping is allowed under or within 25' of any tent on the property. Please be courteous and refrain from these activities around other patrons, especially minors.

Alcohol, Controlled Substances & Firearms

No open alcohol is allowed in, near or on any track or flying area on the Academy Model Aeronautics property. All IO pilots and guests must obey local container laws and also refrain from using glass bottles. Controlled Substances and Firearms are not permitted on the AMA Headquarters grounds.

Product Sales

Sponsors and entities leasing space in the Vendor area are allowed to sell products. Aside from pilot-to-pilot exchanges for cash, barter or otherwise, directly or through a gear swap, there is to be absolutely no other sales of

product on the property. This policy will be zero tolerance and strictly enforced. Contact sales@MultiGP.com for vendor opportunities.

Pilot Queuing Area, Introducing ZippyQ

The magic of the 2023 MultiGP International Open is the queuing system, ZippyQ. This idea has matured greatly over the years with the help of lead MultiGP Director of Development, Roger Bess, aka Focus. This easy to use system will be used at all the tracks and can even be used at your home field! Visit [ZippyQ](#) for more info.

ZippyQ is a tablet system that lets pilots pick their frequency and when they want to fly. It's very easy to use! Find the Kiosk on the track then pick your channel then scan your QR code. The QR code can be found on your lanyard, Racesync Apple App, or on your pilot page at multigp.com. You will then be put in queue for that track. Just keep track of what round is up now and which round you signed up for! ZippyQ will also keep a pack count for pack limited tracks!

If you decide not to fly, please tell the race director so they can remove you from the queue and let other pilots fill that seat! Please follow the antenna polarity noted on each track when you sign up for a channel.

New for 2023, you can now ZippyQ in for 2 flying slots at once!

Qualifying or Fun Flying

Every heat will be logged for each pilot, whether it's "just practice" or a qualifying run. If you know your time is false (i.e. doubled around the start/finish gate practicing), please notify the Track Leader after your heat so that this can be corrected. You should be able to monitor your lap times via the result pages at Livetime and at the local tracks.

Even if the track isn't in your skill set / format, line up and fly!

One Quad per Heat

While Pit Switches are strongly encouraged, every track is technically in qualifying mode and manned by a mix of volunteers. Therefore, each pilot will be allowed to take multiple drones to the launch pads in case their primary selection has boot-up, start-up or arming issues to physically swap out a back-up. However, each pilot may only launch 1 quad per heat.

Radio Settings

To maximize the enjoyment of all the pilots at IO we have some required settings that you should set your radio to. These settings have been tested thoroughly at MGP events such as Mayhem, IO and Champs and known to provide the best compromise of performance, range and interference free flying. If your radio protocol is not listed below, then you do not need to adjust anything as these radios are usually locked at a specific power that works well.

- Crossfire-Crossfire and other 900mHz Control @ 100mW MAX, Forced 150 Hz. You should have a blue LED on the back of your transmitter.
- Ghost- Ghost should be set to TX power of 100mW and the mode should be set to Purerace.
- TBS Tracer- Tracer should be set to 100mW .
- ExpressLRS- Set to 100 mW

VTX Setting and Track Usage.

VTX settings are the most important settings to make IO an amazing event for you and other pilots. Please follow the rules below...or fear the wrath of the hammer! DJI and Walksnail will be allowed at the Freestyle track only. Certain channels may be assigned if a problem is noted on the other tracks. Sharkbyte/HDzero will be allowed at all the tracks. Each track, except the Freestyle track, will have HDzero Event VTX's to record both digital and analog for DVR reviews of flights. All analog and digital VTX's will be set to 25 mW. It is highly recommended to have smart audio/telemetry connected.

- DJI - 25mbps and 25mW
- Walksnail-25mbs and 25mw
- Sharkbyte/HDZero - 25 mW

Competition Rules

Each Track/Competition/Game has its own set of rules that will be either presented in the pilot manual, covered by the MultiGP Rulebook (available here: <http://multigp.com>), posted at the track, or announced before commencing. Each track is managed/officiated by a Track Leader. Any appeals, requests for reviews, reruns or calls will be under the track leader's authority based on their understanding of the rules and the situation.

The hierarchy of officiating is -> Scoring -> Track Leader -> IO Race Director (Joe Scully) -> MultiGP Commissioner (Chris Thomas). Any appeals will be limited. Keep in mind there is almost unlimited qualifying, and the primary goal is "fun"... the competition will heat up during the Championships, so let the Qualifying remain chill and easy going!

IO Specific Requirements are listed throughout the Pilot Manual. Failure to meet an appropriate spec will result in the craft/pilot being denied flight until the spec is met (i.e. 25mW, OSD, <100mW Crossfire / Other 900mHz Control, etc.).

Any major rule changes or ground rules put in place will be posted at <http://MultiGP.io> and itemized in the back of this Pilot Manual. Standard MultiGP rules from the 2023 Rules and Regulations apply. This is a "living document".

Start Blocks

Per the 2023 Rules and Regulations, if MultiGP is providing the start blocks, these must be used and unmodified for starts. You may NOT add to the start blocks.

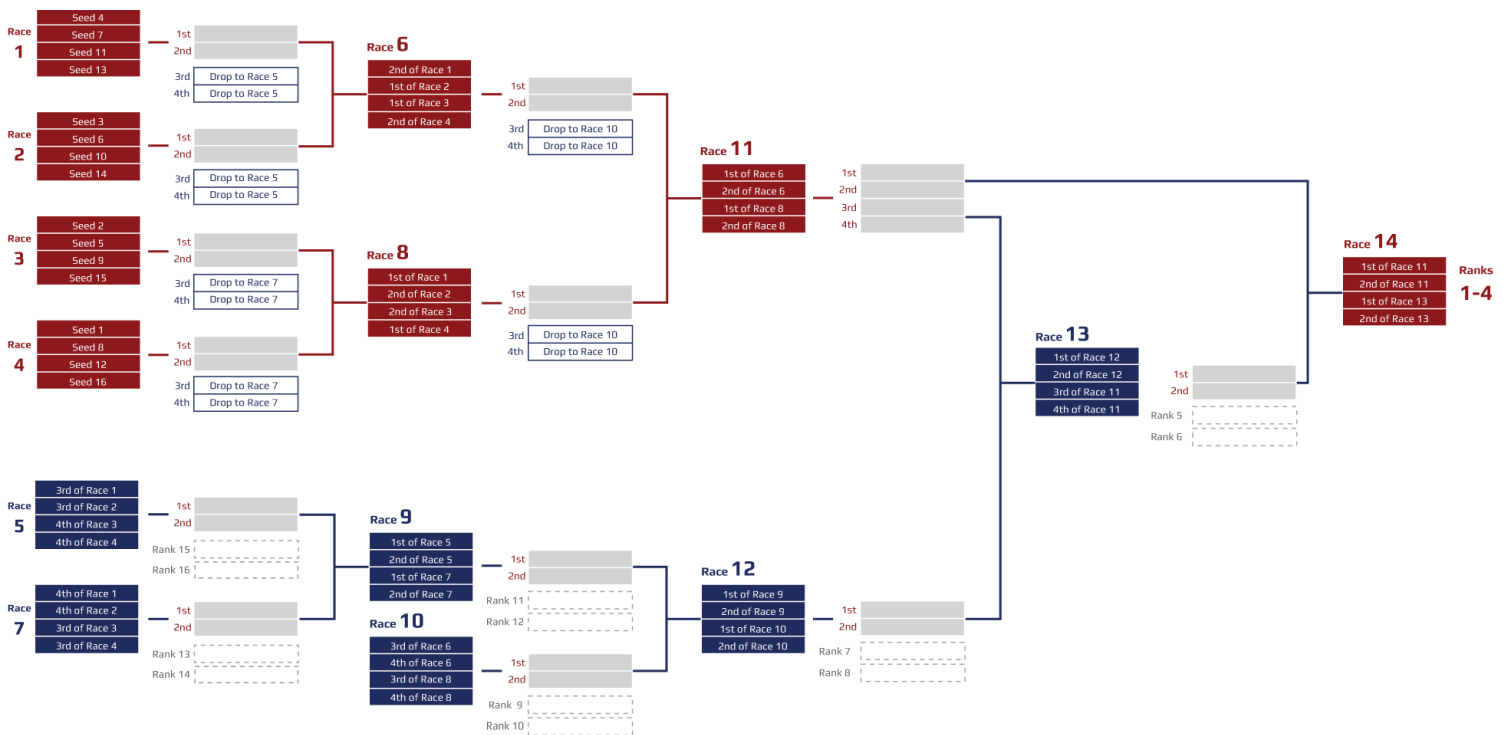
Regulated VTX power output is integral to providing a successful RF environment. If you are unsure about your VTX power output, go to Registration for Verification. Accidents happen, but VTX output power issues can result in multiple accidents per incident. Random Power Testing will also be performed. Do not exceed 25mW, and immediately comply with any direction of any Track Leader if they direct you to fix an issue. Warnings will be limited, if at all.

In addition, any and all registered pilots must adhere to the MultiGP Code of Conduct - <https://www.multigp.com/terms-of-use/>

MultiGP retains the right to remove any participant or spectator from the property for not adhering to the rules at any time.

Finals/Championships

Each Track/Competition/Game has its own set of rules, presented below.



Most Championships will be a top-16 Bracket unless otherwise stated. Here is the bracket:

[CLICK TO VIEW FULL IMAGE](#)

When competing in this format, please follow along by listening to the Race Director that will announce something similar to: "BobbyFPV and Clark_Crash go to Race #6, no channel changes, GeorgioLOS and PilotBilly go to Race #5. GeorgioLOS you'll be moving to Raceband 8, same antenna" It is the responsibility of you, your spotter, your coach, your friends or your family members to capture this information. **DO NOT ASK THE RACE DIRECTOR YOUR NEXT HEAT AND CHANNEL!!!** You may follow the heat sheets on the Livetime Page provided at the start of the race by hitting "refresh"... it SHOULD (wifi permitting) show you your next heat/channel. You may ask the Flight Line Director (thumbs up/tablet) or a person they designate for your heat information if you are unable to find it. Do not leave the flightline until you know your next heat, channel and antenna polarity.

Oftentimes, championship brackets will culminate into "Chase the Ace", a format where the final 4/8 pilots race repeatedly until someone wins twice.

Chase the Ace Race Format for Final

The Final 4/8 start with a clean slate, with the winner being the first pilot to earn two Wins (perhaps it is done in 2, but it could go 5/9 races!)

The rest of the podium is decided by their combined finish positions with the lowest total, (i.e. 1, 2, 3 [6] would beat 2, 2, 3 [7]), with the tiebreaker being motocross style - meaning the ranking of the last race determines the ranking (i.e. 2, 2, 2 [6] would beat 1, 2, 3 [6]).

Ironman Clause

If the Top Qualifier wins each of their races through the brackets to the Final 4/8, they will automatically win the event if they win the first race in the Final 4/8.

Even if Chase the Ace is scheduled for a given race, it may be removed by the Track Leader/Race Director if the schedule is running behind.

Ground Stations

This year we will not have pilot ground stations available. We advise pilots to bring both left and right patch and omni antenna and find what works best for you at each track. Pilots are required to follow the polarization of their channel at each track. These alternate around the park, for example R1 may be LHCP on one track and RHCP on another track.

If you see another drone on your channel while you are flying please let the track leader know ASAP. If you're flying a google module and the track leader doesn't see it on the Ground Station, it is your antenna placement, positioning or gain that caused the issue. If it's observable on our Ground Station, we will track down the perpetrator and rectify the situation.

We fly 64 Pilots at once on 8 tracks. How? By following these standards:

- **Low VTX Output** - more power, more problems
- **Constant power monitoring** - VTX's transmitting over 25mW interfere with other tracks once they reach 20-30' in the air, so we attempt to catch everyone before they take off
- **Constant Track Video monitoring** - Ground Stations connected to a DVR to multiplex all 8 FPV Feeds.
- **Video Aerial Systems Crosshair Antennas** - the perfect gain for close proximity FPV Racing (10.25db), and a good beam (120 degrees). The metal on the back of the crosshairs "block" the other tracks
- **HDzero Event VTX's**- these units can receive both analog and HDzero transmissions and switch automatically!
- **Antenna Alternating** - all of the tracks are back-to-back like a "clock", and alternate polarization based on adjacency, an extra "barrier" between interference from an adjacent track (or tracks)

Goggle Modules WiFi Use

Many of the goggle modules, goggles and radio transmitters now include WI-FI capabilities. These have the potential to interfere with video signals of the pilots in this very congested area. We request that you turn off all Wi-Fi capabilities, including streaming directly from your goggles.

Live Streaming & Social Media

Help us to tell the story of the 2023 MultiGP International Open presented by by using our official hashtags: #1023 #MultiGP #InternationalOpen #internationalopen2023 #TeamBlacksheep on all of your social media posts.

If you create Stories on Instagram, don't forget to tag @multigp account!!! Some Tracks may be live streaming throughout the weekend, while our "official IO broadcast" will be the 2023 MGP IO World Cup Saturday, from 6p - 10p.

All official broadcasts will be published and hosted on MultiGP official Youtube Channel and linked off of <https://www.multigp.com/io23>

Schedule of Events

Each track has its own schedule, final or set of championships, scheduled "games" or impromptu "games". Follow the schedule (and any schedule updates) at <https://www.multigp.com/io23/> to see what tracks are operational, when they are Open for Qualifying or Fun Fly, or where the championships are and when. Each race has a designated format for the finals, these are subject to change for weather and other considerations.

From 8am-10am the tracks are open for anyone to fly, but are not staffed with timing systems. There are certain nights when all tracks are closed due to main races, and flying is prohibited at these times to ensure RF quality.

6pm is the cut-off of staff and volunteer support for tracks other than the main stage. Most tracks will completely power down during this time and may have obstacles lowered to prevent damage from weather or stray golf carts.

Tuesday - June 7th Sponsor/Vendor Setup

Sponsor/Vendor Check in at Registration Desk **9am**

Access to setup sponsor/vendor tents **10am - 6pm**

MultiGP Chapter Organizer Appreciation Party

While the world's largest FPV festival happens thanks to our outstanding Volunteers, MultiGP year-round drone races happen around the world thanks to our great MultiGP Chapter Organizers. Chapter Organizers and Chapter Managers are invited to a gathering at the main stage from 2pm -3pm for a snack party before the chapter organizer finals. This will be restricted only to the Chapter Organizers and Chapter Managers registered on MultiGP.com.

Ensure your credentials are correct online to take part in this VIP Party!

Track Schedule

All tracks are open for flying 10am-6pm, unless an event is scheduled



— WED, JUNE 28 —

- 2pm - 3pm CHAPTER ORGANIZER APPRECIATION
- 4pm - 9pm CHAPTER ORGANIZER RACE

— THU, JUNE 29 —

- 11am - 2pm GROUP RACES LIPO FIRES
- 3pm - 7pm FAI USA TEAM SELECTION

— FRI, JUNE 30 —

- 10am - 12pm OVER 40/50 QUALIFYING
- 12pm - 2pm OVER 40 BRACKETS
- 2pm - 3pm OVER 50 BRACKETS

— SAT, JULY 1 —

- 10am - 4pm MGP WORLD CUP TOP 64 PRACTICE
- 5pm - 6pm KUNG FU FIGHTING
- 6pm - 9pm MGP WORLD CUP TOP 64 FINALS

— SUN, JULY 2 —

- 10am - 2pm MGP WORLD CUP RAIN DAY

— WED, JUNE 28 —

- 12am - 6pm MGP WORLD CUP QUALIFYING

— THU, JUNE 29 —

- 10am - 5pm MGP WORLD CUP QUALIFYING
- 5pm - 8pm GROUP RACES HIGH VOLTAGE

— FRI, JUNE 30 —

- 10am - 4pm MGP WORLD CUP QUALIFYING
- 4pm - 7pm GROUP RACES CRACKED PROPS

— SAT, JULY 1 —

- 10am - 2pm MGP WORLD CUP NEXT BRACKETS

— WED, JUNE 28 —

- 12am - 6pm MGP WORLD CUP QUALIFYING

— THU, JUNE 29 —

- 10am - 3pm MGP WORLD CUP QUALIFYING
- 3pm - 6pm GROUP RACES CRACKED PROPS

— FRI, JUNE 30 —

- 10am - 12pm MGP WORLD CUP QUALIFYING
- 12pm - 3pm GROUP RACES HIGH VOLTAGE
- 3pm - 6pm MGP WORLD CUP QUALIFYING

— SAT, JULY 1 —

- 12pm - 4pm MGP WORLD CUP NEXT NEXT BRACKETS

SPEC TRACK

— THU, JUNE 29 —

9am
12pm **STREET LEAGUE TEAM RACE QUALIFYING**

12pm
9pm **STREET LEAGUE TEAM RACE FINALS**

— FRI, JUNE 30 —

5pm
9pm **FREEDOM SPEC RACE**

— SUN, JULY 2 —

10am
2pm **STREET LEAGUE INDIVIDUAL RACE**

TINYWHOOP ZONE

— WED, JUNE 28 —

9pm
7am **OPEN PRACTICE**

— THU, JUNE 29 —

9pm
7am **TINY WHOOP QUALIFYING**

— FRI, JUNE 30 —

9pm
7am **TINY WHOOP FINALS**

— SAT, JULY 1 —

9pm
7am **TINY WHOOP AFTER PARTY**

FIVE33 ALL SKILLS TRACK

— WED, JUNE 28 —

2pm
4pm **FREEDOM SPEC OVAL RACE**

— THU, JUNE 29 —

12pm
3pm **GROUP RACES HAMMERS**

— FRI, JUNE 30 —

3pm
7pm **GROUP RACES LIPO FIRES**

— SAT, JULY 1 —

12pm
3pm **GROUP RACES HAMMERS**

WREKD GLOBAL QUALIFIER ROOKIE

— WED, JUNE 28 —

10am
6pm **GLOBAL QUALIFIER UP FOR RANKING**

— THU, JUNE 29 —

10am
12pm **GLOBAL QUALIFIER UP FOR RANKING**

1pm
4pm **GROUP RACES BURNT MOTORS**

— FRI, JUNE 30 —

12pm
3pm **GROUP RACES HAMMERS**

4pm
6pm **GROUP RACES BURNT MOTORS**

— SAT, JULY 1 —

11am
1pm **GROUP RACES Rookies Final**

1pm
2pm **MEGA CLASS FINAL**

2pm
4pm **OFFICIAL GQ QUALIFYING**

— SUN, JULY 2 —

10am
2pm **OFFICIAL GQ QUALIFYING**

FREESTYLE PARK

— WED, JUNE 28 —

2pm
6pm **OPEN FLYING QUALIFYING PRACTICE**

— THU, JUNE 29 —

8am
10am **OPEN FLYING & COFFEE WAKE UP**

10am
2pm **OBSTACLE COURSE OBSTACLE RUN**

2pm
6pm **OBSTACLE COURSE MUSIC RELAY**

— FRI, JUNE 30 —

8am
10am **OPEN FLYING & FREESTYLE BREAKFAST**

10am
2pm **OBSTACLE COURSE BALLOON SEARCH & DESTROY**

2pm
6pm **GAME OF QUAD SENDIT SHOWDOWN PRACTICE**

— SAT, JULY 1 —

8am
10am **OPEN FLYING & COFFEE WAKE UP**

11am
4pm **SENDIT SHOWDOWN V3**

— SUN, JULY 2 —

8am
2pm **OPEN FLYING**

Tracks, Competitions and Group Races

Here is where you find all the details of the events at IO so you can plan your perfect drone racing odyssey. MultiGP continues to try different approaches to the International Open to find that perfect pilot experience. This year we are introducing Group Races, and the “everyone gets a race” concept.

Group Races

Group races include a predetermined group of pilots that do not need to qualify for a race. Each pilot will be assigned a group based on their current 2023 MultiGP GQ data. If you can't get a GQ in before you get to IO, we will have it set up for you to run to get your group assignment! Get those GQ's in, and you won't have to run one at IO before you compete! These groups are, Lipo Fires, High Voltage, Cracked Props, Hammers and Smoked Motors. We anticipate the groups to be 40 pilots in each group.

When the group races are scheduled to start, there is no qualifying or practice, it's RACE TIME! So be at the track 30 minutes early to check in, and we will roll right into 1 of our 2 formats.

Format A: Triple run mains, to a final main

- Pilots are randomly assigned into one of 6 subgroups of up to 8 pilots.
- Each subgroup will race 3 times. The winner of the subgroup will be determined by combined finishing position in the best 2 races. The tie-breaker is the pilot with the best single finishing position (1-2-3, beats a 2-2-2) . If there is still a tie, then the best laps/time from the best finishing position run is the final tie breaker
- Subgroup winners will advance to the A-Main event for 3 races, which will follow the same format to determine the winner of this group race.

OR

Format B: Double Elimination bracket:

- This format will only be utilized if there are less than **32 pilots**.
- Pilots will be randomly seeded for the first round.
- After each race, top 4 pilots advance, up 4 bottom pilots move to the losers bracket, or eliminated if it is a losers bracket race.
- Chase the ace final.

The goal is for every pilot to have the opportunity to participate in a racing event (rather than time trials) every day at the MultiGP International Open presented by TBS. There are many different races going with specialty races, group races and World Cup qualifying on 2 tracks so pick your race and enjoy!

Check out the schedule for more information!



TEAM BLACKSHEEP

SERIOUS TOYS

1 - Team Black Sheep Presents: Main Stage

Track Leaders: MultiGP Pro Staff

The Main Stage will be up on Wednesday Afternoon through Sunday Morning. The main event of the International Open presented by TBS, the World Cup, is hosted here on Saturday night. Throughout the week we will have different specialty races and our Chapter Organizer Appreciation Event.

Additionally, the legendary Tiny Whoop Tent staffed with Jesse Perkins and the Whoop gang is located here for night-time activities, Tiny Whoop flying and general comradery. The main stage track will be staffed from 10am -6pm unless otherwise noted by an event. The track is open to fly during these times if an event is not scheduled. The track closes every night by 9 to prevent video issues with the Tiny Whoops!

All tracks are open from 10A-6pm, unless a specific event below is listed.

Track Schedule:

- **Wednesday**

- **2pm-3pm**-Chapter Organizer Appreciation. Stop by the main stage for a thank you from Chris Thomas and our New Chief Operating Officer, **Clare Cannizzaro** . Without the hard work of all you chapter organizers, we wouldn't have any pilots at IO!
- **Wednesday**
 - **4pm-9m** -Chapter Organizer Race. If you are a Chapter Organizer you are invited to compete in this race.
- **Thursday**
 - **11am-2pm** - Lipo Fires Group Race
 - **3pm-7pm** - FAI USA Team Selection
- **Friday**
 - **10am-3pm** Over 40/Over 50 Qualifying until 12pm followed by the Over 50 and then the Over 40 Race
- **Saturday**
 - **10am-4pm** - World Cup Top 64 Practice
 - **5pm-6pm** - Kung Fu Fighting
 - **6pm-?** - World Cup Final
 - The Top-64 pilots will compete for the title of World Cup Champion!
- **Sunday 8am-2pm** - Rain Day for World Cup Finals or Open No Timing

Chapter Organizer Race

Requirements:

- Any pilot that is listed as a Chapter Organizer or Chapter Manager on MultiGP.com may enter.
- 800g or less
- No battery limit.
- No prop limit

Qualifying Heats:

- None

Finals:

- Tone Start
- Best to 2 or 3 Laps (unless track leader determines otherwise)
- Two brackets of 16 pilots, 4 up, based on your group data

Lipo Fires Group Race

Let's race! The idea for the group races is that using predetermined data we can group pilots to provide more actual drone racing at IO then drone qualifying. When the group races are scheduled to start, there is no qualifying or

practice, it's RACE TIME! So be at the track 30 minutes early to check in!

Requirements:

- 800g or less
- No battery limit.
- No prop limit

Qualifying Heats:

- None

Format:

- Triple run mains, to a final main
 - Pilots are randomly assigned into one of 6 subgroups of up to 8 pilots.
 - Each subgroup will race 3 times. The winner of the subgroup will be determined by combined finishing position in your best 2 races. The tie-breaker is the pilot with the best single finishing position (1-2-3, beats a 2-2-2) . If there is still a tie, then the best laps/time from the best finishing position run is the final tie breaker
 - Subgroup winners will advance to the A-Main event for 3 races, which will follow the same format to determine the winner of this group race.

FAI USA Team Selection

Join us for the chance to be part of the qualifying drone race for the selection of Team USA headed to the FAI international competition in October 2023! This will be an exciting and competitive event, designed to test the skills of the top drone racing pilots in the world. The qualifying race for Team USA will be held on the Main Stage at the MultiGP International Open presented by TBS. The Championship will take place from 6 to 9 October 2023 at the Chunhyangol Stadium in Namwon, Jeollabuk-do, about two hours south of Seoul. It will include prize money of \$100,000!

The race is open to all drone racing pilots who meet the qualifying criteria. The following are the criteria for Team USA:

- Full AMA Membership
- Willing to Travel to Korea Oct 6-9, 2023
- US Citizen

A Maximum of five individual competitors will be selected, providing that at least one competitor is Female and at least one is Junior. A competitor is considered to be a junior up to and including the calendar year in which he/she attains the age of 18.

Note: In addition to the national team classification, every competitor of a national team also competes for the individual classifications (overall and, where appropriate, Junior and Women).

(Alternates will also be selected in the unfortunate event that a pilot is not able to attend.)

Practice Heats

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Only 2 Practice Heats

Qualifying Heats

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 3-Consecutive Laps
- Only 3 Qualifying Heats

Finals

- Pilots will be ranked based on the aggregate time of the fastest 3 consecutive laps, ie 9/2:27:06.

Over 40/50 Race

The Over 40/50 race is the second most attended race at IO, behind the world cup! Come on down to the main stage and listen to the MC **Joe Scully** roast all the pilots with songs that the pilots love, but now only can be found on the oldies playlist on Spotify! We will start with qualifying for both groups, then do the over 40 bracket, followed by the over 50 race.

Requirements

- Any pilot that is in their 40th year may enter (39 years of age as of Jan 1, 2023)
- Any pilot that is in their 50th year may enter (49 years of age as of Jan 1, 2023). A pilot may compete in both races if they qualify. Age to be verified via Identification at Track Leader's Discretion
- No battery limit.
- No prop limit

- 800g Max Weight
- 3 qualifying rounds (based on entries, time remaining), qualifying based on Fastest-2 laps Consecutive

Qualifying Heats

- Tone Start
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 2-Consecutive Laps
- 3 Rounds of Qualifying using ZippyQ

Over - 40 Race Final

- Tone Start
- Approximately 60 seconds - 90 seconds in Duration
- Best to 2 Laps (unless track leader determines otherwise)
- Standard MultiGP Top 16 Double Elimination bracket.

Over-50 Race Final

- Tone Start
- Approximately 60 seconds - 90 seconds in Duration
- Best to 2 Laps (unless track leader determines otherwise)
- Top 8 Pilots in a Double Elimination Bracket

World Cup Competition Specifics

The MultiGP International Open presented by TBS is the culmination of the week of racing! Here you will find the top 64 pilots in the world battling for that coveted title of World Cup Champion! Will it be a known 'robot' or is there a newcomer that will make a mark on drone racing with an unexpected upset? All tracks are closed during the Final 64 race, so come on down and get a good seat to watch the excitement on the track narrated by the one and only, the voice of MultiGP, the MC of Drone Racing, [Joe Scully](#).

Requirements

- Any pilot may enter.
- No battery limit.
- No prop limit
- 800g max weight
- Finished in the Top 64 on the World Cup combined list
- ***Each quad is required to have at least 2 groups of LED's facing opposite directions to maximize visibility regardless of orientation of the quad. Each group of LEDs must be at least 3 individual LED's. Pilots will be expected to register with their intended color at the start of an event.***

Finals Top 64 Double Elimination Bracket

- Tone Start
- Approximately 60 seconds - 90 seconds in Duration
- Best to X Laps (X will be decided during the event)
- 8-pilot Heads Up Races to the Final 8
- When we get to the final 8, 1st-3rd go to Grand Final
- 4th-8th Race Once More, winner in that race go to Grand Final
- Final 4 race repeatedly until a pilot wins twice - "Chase the Ace"



2 - Velocidrone Presents: Velocidrone Spec Track

Track Leader: Street League Team

New this year, the Velocidrone Street League Spec track brings the excitement of Street League racing to IO! The track was designed by Colby "SFPV" Curtola. When there are no events scheduled on this track it is open to fly by any Street League quad at the appropriate Street League throttle limit, and Freedom Spec quad or Open Class quad utilizing the **RPM limit of "180" in the betaflight firmware**. For the proper Street League firmware and spec, please visit <https://streetleague.io/>. To fly an open class or Freedom Spec Quad, you must have 4.4.X KAACK Betaflight to have the RPM feature. Unrestricted Open Class quads are not permitted to fly on this track. For RPM limit setup instructions, [RPM Limit Instruction video](#).

Track Schedule

- **Wednesday**
 - **8am-10am**-Track Closed
 - **10am-6pm**-Open Flying
- **Thursday**
 - **9am-12pm** - *Street League Team Race Qualifying Presented by Velocidrone*
 - **12pm-6pm** - Street League Team Racing
 - **6pm-9pm** - Street League Team Finals
- **Friday**
 - **10am-5pm** - Open Flying
 - **5pm-9pm** - *Freedom Spec Presented by Five33*
- **Saturday**
 - **10am-6pm** -Open Flying
- **Sunday**
 - **10am-4pm** - *Street League Singles Race*
 - **4pm**- Track Closed

Street League Team Race Sponsored by Velocidrone

Colby "SFPV" is bringing the famous VRL Velocidrone format out of the matrix and into the International Open! Qualifying starts at 9 AM with a quick spec check and then right into qualifying! Unlike traditional Street League racing you could see 8 up racing on this SFPV designed course! The team race is for all skill levels as the teams will be divided to have pilots of all skills on each team, ROOKIES WELCOME! Basically show up and fly to qualify then we will build teams distributing all skill levels of pilots through all the teams. Then you race against other pilots at your skill level! You can verify your quad is Street League Spec ready all day Wednesday as well as before the race starts! After qualifying each team will have 3 pilots at the track racing for 2 hours, enabling the others to coach or fly other tracks. Then the top teams will compete in the final. Score points for your team based on how you placed in your heat.

Spec Requirements:

- Official Street League Specs per their website, <https://streetleague.io/spec/>
- Onsite Firmware checkers to verify

Race Format

- Qualifying
 - Hours of Qualifying 9-12 Thursday
 - Pilots ranked by fastest 3 consecutive
- Team Construction
 - Pilots assigned on teams based on qualifying times and finalized by race director
- Races

- 12-2 PM Tier 8,7,6 pilots report to the track for heads up racing. All the 8 tier pilots will race a heads up race, followed by 7 and 6. This will repeat for a minimum of 3 heats.
- 2 Pm-4 PM Tier 5,4,3 pilots report to the track for heads up racing. All the 5 tier pilots will race a heads up race, followed by 4 and 3. This will repeat for a minimum of 3 heats.
- 4-6 PM Tier 1,2 pilots report to the track for heads up racing. All the 1 tier pilots will race a heads up race, followed by 2. This will repeat for a minimum of 3 heats.
- Finals
 - Top 3 Teams Race- Each team puts 1 pilot to the line starting with the lowest seed for 1 last heads up race! The best team overall wins.

Freedom Spec Race presented by Five33

Freedom Spec returns for the second year at the MultiGP International Open presented by TBS! Five33 again is the presenting sponsor for this race. Similar to last year, all the quads have the same motor and propeller but now a 6s battery is allowed! A quick recap is below of the spec but for full information visit FreedomSpec.com.

Requirements:

- 533g Minimum Weight
- Five33 Headsup 2207 1960kv Motors
- HQ R38 Headsup Prop
- 3 or more (non-status) LEDs
- Any 6s Battery
- Any BLHeli32 or AM32 ESC
- Betaflight KAACK (Version 4.4.x KAACK)
- RPM Limit of 18,000 which is "180" set in the firmware

The race will start with each pilot allowed 2-3 attendance packs, and then the bracket will be built and off to heads up racing!

Qualifying

- Tone Start
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 3-Consecutive Laps
- 2-5 PACKS of Qualifying using ZippyQ, for 2 hours

Finals

- Top 16 Double Elimination Bracket

- No Chase the Ace or Iron Man

Street League Singles Race Sponsored by Velocidrone

We are done racing yet! Sunday Velocidrone will be hosting another Street League Race, but this time it's all you! One last chance for you to go head to head on this amazing track and fill you need for Street League Racing. The format will be determined Sunday, so show up at 10am to get some practice in and then start racing!



3 - Global Qualifier/ Rookie

New to racing or FPV? Come to the rookie track where you can experience an easy track and friendly staff who will help you in a no-pressure environment. We will have large gates for both the Rookies and the Mega quads to race on. This track will also serve as a place to get a ranking to assign you to a group for racing on the 2023 GQ. If you have not been pre assigned a group, please visit this track and get some packs on the GQ track! We will have the GQ up all weekend for practice as well, with official qualifying on Saturday and Sunday.

Track Schedule:

- **Wednesday 10am-6pm** - Open for Ranking data and GQ practice and fun flying
- **Thursday**
 - **8am-12am** - Open Flying and Ranking Data
 - **1pm-4pm** - Burnt Motors Group Race
- **Friday**
 - **10am-12Pm** - Open Flying
 - **12pm-3pm** - Hammers Group Race
 - **4pm-6pm**- Burnt Motors Group Race
- **Saturday**
 - **11am-1pm** - Bottom 16 Race
 - **2pm-4pm**- Official Global Qualifier Open
 - **4pm-5pm**- Mega Class Final
- **Sunday**

- **10am-2pm** -Official Global Qualifier Open
- **2pm**- Track Closed

Rookie Final

Every pilot is new once! It is tradition at the MultiGP International Open presented by TBS to have a true rookie race! This year, we will take the bottom 16 pilots of the Burnt Motors Group Races and gather them for 1 more bracket!

Requirements:

- 800g or less
- No battery limit.
- No prop limit
- 3 qualifying rounds (based on entries, time remaining), qualifying based on Fastest-3 laps Consecutive
- Bottom 16 of the Burnt Motors Group Races combined

Qualifying Heats:

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 3-Consecutive Laps
- 3 Rounds of Qualifying via ZippyQ (roughly 2 hours)

Finals:

- Tone Start
- Best to 3 Laps (unless track leader determines otherwise)
- 16 pilot bracket, 4 up, double elimination
- The Finals of the bracket will finish with Chase the Ace.

Get Ranked!

If you have not been assigned a group for the group races, this is your chance! You are allowed up to 10 packs on the GQ course to get a fastest 3 consecutive time. We will then group you based on that time. These times do not count for your official GQ times to qualify for champs, but you will have another opportunity Saturday and Sunday to put in official times.

Burnt Motors and Hammers Group Race

Let's race! The idea for the group races is that using predetermined data we can group pilots to provide more actual drone racing at IO then drone qualifying. This format could be one of the 2 formats depending on pilot attendance.

Requirements:

- 800g or less

- No battery limit.
- No prop limit

Qualifying Heats:

- NONE

Format:

- Tone Start
- Best to 3 Laps (unless track leader determines otherwise)
- One of the 2 [Group Races Format](#):
 - Over 32 Pilots Letter Mains
 - 32 Pilots or less Bracket or Letter Mains

Mega Final

It is always fun to watch the Mega Quads battle it out!

Requirements

- A Mega Quad
- No Fear

Race Format

- The pilots will participate in a single elimination bracket, 4 up
- Final 4 will be a Chase the Ace

Official Global Qualifier Times

During Saturday and Sunday there are specific times that you can get in your 10 packs to qualify for the MultiGP 2023 Championship. The ZippyQ system will record the first 10 packs a pilot flies, so make those the good ones! You can split these packs throughout Saturday and Sunday as well. We will have the standard Global Qualifier rules and restrictions, which can be found in the [MultiGP Official Rules](#).

- Any pilot may fly and attempt to qualify
- All Global Qualifier Rules Apply
 - Per the 2023 Rules, a minimum of 3 quads must fly per heat ¹

¹ Edited to add - June 17 - *Per the 2023 Rules, a minimum of 3 quads must fly per heat*

- No battery limit.
- No prop limit
- Qualifying based on Fastest-3 laps Consecutive
- 10-pack Limit between all flights Saturday & Sunday
- Global Leaderboard - "the List" - will be updated by shortly after IO

2022 DRONE COMPETITIVE FREESTYLE

MULTIGP

FAT SHARK

OMG, YOU HAVE TO SEE THIS! THEY TEAMED UP! AT THE freestyle TENT! ONLY AT IO 2022

KCMR

KE & Super Critical!

Presents The #SENDIT V2 SHOWDOWN

MULTIGP

June 8-12, 2022

At The Academy Of Model Aeronautics - Muncie, IN

Buy Tickets At MULTIGP.IO

AMA

4 - Freestyle

Track Leader: KCMR

Are you ready for a long weekend full of the hottest FPV freestyle action? It won't be easy. There's some stiff competition this year. Do you think you have what it takes to be an international champion? This is your chance to prove it! Join us at the Freestyle tent in this year's MultiGP International Open presented by TBS and be ready to SENDIT!

For the third year in a row, KCMR member and Host of the FPV Live Stream, KwadCorner; HitTheDeck Fpv is back with all his "We're doing it LIVE" antics!!! This year he's bringing Co-host 6o8 FPV to amp up the party! We have some surprises this year you won't want to miss! Don't forget your Nerf Guns!!! It's all fun and games until trophies are involved! Do you have what it takes to podium at this year's Sendit Showdown? Who will be the first to Matty flip the AMA silo this year?!

Activities and events are planned all week long but if you're just looking to unwind, all times will be open to free fly, charging stations, or just good times with new friends. Come burn a few packs or practice your lines, free of burden and expectations. Did we mention we have a Rc Crawler and Truck track?!?!?(NO FPV) Come make yourself at home and grab a waffle!

We kick off the week Thursday and Friday with a romp through the FPV obstacle course. Here you will encounter a series of FPV related mini games designed to test your nerves and your skills as well as having some fun in a new and competitive way!

Make sure to get your coffee and pour your own waffles at the Freestyle Breakfast, Friday morning before your qualifiers!! Join the spectacle Saturday morning as they host the Sendit Showdown, MultiGP's 3rd annual organized freestyle competition, leading up to the World Cup Finals that evening!

With open practice and countless qualifying runs leading up to the competition, will you have what it takes to take home the gold?! Let's finish it up on Sunday with some good ole freestyle battles before we head out. If that's not enough, we have prizes, give-a-ways, swag, and even trophies to distribute. Come get some!!!!

This is a spectacle you don't want to miss! Even spectators will have a chance to watch these pilots in their own first person view experience at the specially designed watch station to really immerse you into the action! Come be a part of the party at the Freestyle tent at the 2022 MultiGP International Open presented by TBS!

As a reminder, DJI is allowed at the Freestyle track only. All VTX must be set to 25MW or 25Mb, and a height restriction will be in place so as to not interfere with any of the other tracks/races. Lastly, all RC vehicles may NOT run any VTX (cut down on interference issues)

Most importantly, don't forget to SEND IT!!!!

Track Schedule

Wednesday-

- 8am-2pm/ Closed for registration
- 2pm-4pm/ Open flying/ Qualifying Practice
- 4pm-12am/ Open flying/ Qualifying practice

Thursday-

- 8am-10am/ Open flying/ Coffee wakeup
- 10am-2pm/ Fpv obstacle course/ Obstacle run

- 2pm-6pm / Fpv obstacle course/ Musical relay
- 6pm-12pm / Open flying

Friday-

- 8am-10am/ Open flying/ Freestyle Breakfast
- 10am-2pm/ Fpv obstacle course - Balloon search and destroy
- 2pm-6pm/ Game of Quad / SenditShowdown practice
- 6pm- 12am/ Closed for team finals and TW finals

Saturday

- 8am-10:30am/ Open flying/ Coffee wakeup
- 11am- 4pm/ Sendit Showdown V3
- 4pm- 12 am/ Closed for world cup finals

Sunday-

- 8am- 4pm/ Open flying

THATS A WRAP!!!!

Olympic games explained

Musical Quads

- 4-5 pilots at a time depending on # of participants. Orbit the designated flag/gate until the music stops. Once music stops, all pilots will race to the landing area and land within the landing square. All pilots MUST be within the landing square to be able to continue. Last pilot to land is out. Continue rounds with the winners of previous rounds until 1 pilot remains. Medals will be awarded

Yeet Shooting

- (play on skeet shooting) 3-4 pilots at a time depending on # of participants, popping balloons with their quad.- 4-5 (depending) black balloons will be filled with confetti and then blown up. 4 balloons filled with multi-colored confetti and 1 balloon filled with red confetti. Balloons will be distributed and hung from gates/flags within the course. Pilots will line up on the starting blocks, 3 2 1, Go! Pilots must race to pop a balloon. The pilot that finds the red confetti balloon wins the round. Continue until all pilots have flown, then continue with the winning pilots until there is one final winner. Medals will be awarded.

Qualifying for the Sendit Showdown explained

- A set trick list of possible tricks (20) will be posted and displayed on flyers through the tent as well as a video for visual demonstration will be posted. Pilots will have 2 chances to qualify (thurs-fri), in a 3 min time limit)

with one possible mulligan before the comp (sat) if time allows. Pilots will have to complete at least 10 out of the 20 (pilots choice) tricks in order to qualify to be in the competition. Tricks will vary in skill level from beginner to advanced. Tricks will also be assigned a point value, 1 or 2. (1 point will be awarded for open air tricks and 2 points will be awarded for tricks within obstacles on the track) The day of the competition, we will take the 10 top scoring pilots who qualify to be in the Sendit Showdown.

- Pilots can qualify at any time thurs or fri by contacting Myself (HTD) or my co-host (DanZ) in order to set scores
- Scores will be posted by the end of the day Fri and if pilots wish they can leave a phone # in order to receive a text, contingent on making it to the competition, held Saturday morning.

Sendit Showdown rulings

- Each pilot will be given 2 runs consisting of 2 minute heats, with 3 judges, flying individually. Scores will be taken by 3 judges with a total possibility of 100 points per judge and 300 points in total for a perfect score. Best running score out of the 2 runs will be taken for the possibility of a podium spot. In the case of a tie, each tied podium holder will have a 1 minute heat to advance their position. 1st 2nd and 3rd place trophies awarded
- Judging based on 3 main categories with a total of 11 points possible within each category and 1 bonus category with a total of 1 point to total 100 points overall possible from each individual judge
- 3 main categories are: Consistency, Creativity, and Overall Flow of the run
- Bonus category (Inspired by FPV Livestream SuperCritical!)- JNSQ or je ne sais qua



5 - HOBBYWING PRESENTS: World Cup 1

This is one of the 2 tracks that pilots MUST fly in order to qualify for World Cup, Almost World Cup and Nearly Almost World Cup Races. The combined time on each track will rank pilots. The top 64 pilots at the end of Friday night will

be going to the 2023 MultiGP World Cup presented by TBS. The World Cup track will be either World Cup 1 or World Cup 2. Chris Thomas will make the call and announce to the pilots Friday night or Saturday! You must have a time on both tracks to be considered for the top 64, next and next next brackets. This track was designed by Anthony "AyyyKayyy" Knight.

Track Schedule

- **Wednesday 12pm-6pm** - World Cup Qualifying
- **Thursday**
 - **10am-5pm** - World Cup Qualifying
 - **5pm-8pm** - High Voltage Group Race
- **Friday**
 - **10Am-4pm** - World Cup Qualifying
 - **4pm-7pm** -Cracked Props Group Race
- **Saturday**
 - **10am-4pm** - The Almost World Cup
- **Sunday**
 - **Closed**

World Cup Competition Specifics

World Cup Qualification Requirements

- Any pilot may enter.
- No battery limit
- No prop limit
- 800g max weight

Qualifying Heats

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 2-Consecutive Laps
- Best 1 Round Score of Fastest-2 Laps
- Top-64 advance to the World Cup
- The Next 32 advance to the Almost World Cup Race
- The next next 32 advance to the Nearly Almost World Cup Race

Cracked Props and High Voltage Group Race

Let's race! The idea for the group races is that using predetermined data we can group pilots to provide more actual drone racing at IO then drone qualifying. Since the High Voltage and Cracked Props pilots will be competing on one of these 2 tracks for the World Cup, we decided to get a little preview of the show! When the group races are scheduled to start, there is no qualifying or practice, it's RACE TIME! So be at the track 30 minutes early to check in!

Requirements:

- 800g or less
- No battery limit.
- No prop limit

Qualifying Heats:

- None

Format:

- Tone Start
- Best to 2 Laps (unless track leader determines otherwise)
- Triple run mains, to a final main
- Pilots are randomly assigned into one of 6 subgroups of up to 8 pilots.
- Each subgroup will race 3 times. The winner of the subgroup will be determined by combined finishing position in your best 2 races. The tie-breaker is the pilot with the best single finishing position (1-2-3, beats a 2-2-2). If there is still a tie, then the best laps/time from the best finishing position run is the final tie breaker
- Subgroup winners will advance to the A-Main event for 3 races, which will follow the same format to determine the winner of this group race.

Almost World Cup

So you didn't qualify for the MultiGP World Cup presented by TBS, that's okay we got you! This year we are proud to introduce the Almost World Cup Race! This race will consist of the next 32 pilots that did not make it into the World Cup! The format will be 2-4 practice packs and then into a double elimination bracket of fast paced heads up racing!

Requirements:

- 800g or less
- No battery limit.
- No prop limit
- 3 qualifying rounds (based on entries, time remaining), qualifying based on Fastest-2 laps Consecutive

Qualifying Heats:

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 2-Consecutive Laps
- 3 Rounds of Qualifying via ZippyQ (roughly 2 hours)
- Top 32 qualify for brackets, 8 up.

Finals:

- Tone Start
- Approximately 60 seconds - 90 seconds in Duration
- Best to 2 Laps (unless track leader determines otherwise)
- The Finals of the bracket will finish with Chase the Ace.



6- IFLIGHT PRESENTS: World Cup 2

This is one of the 2 tracks that pilots MUST fly in order to qualify for World Cup races. The combined time on each track will rank pilots. The top 64 pilots at the end of Friday night will be going to the 2023 MultiGP World Cup presented by TBS. The World Cup track will be either World Cup 1 or World Cup 2, Chris Thomas will make the call and announce to the pilots Friday night or Saturday! You must have a time on both tracks to be considered for the top 64, Almost 64 and Nearly Almost 64 brackets. This track was designed by Jim "Kneedown" Snodgrass, team captain of Quad Rivals.

Track Schedule

- **Wednesday 12pm-6pm** - World Cup Qualifying
- **Thursday**
 - **10am-3pm** - World Cup Qualifying
 - **3pm-6pm** - Cracked Props Group Race

- **Friday**
 - **10Am-12pm** - World Cup Qualifying
 - **12pm-3pm** High Voltage Group Race
 - **3pm-6pm** World Cup Qualifying
- **Saturday**
 - **12pm-4pm** - The Nearly Almost World Cup
- **Sunday**
 - **Closed**

World Cup Competition Specifics

- Any pilot may enter.
- No battery limit
- No prop limit
- 800g max weight

Qualifying Heats

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 2-Consecutive Laps
- Best 1 Round Score of Fastest-2 Laps
- Top-64 advance to the World Cup
- The Next 32 advance to the Almost World Cup Race
- The next next 32 advance to the Nearly Almost World Cup Race

Cracked Props and High Voltage Group Race

Let's race! The idea for the group races is that using predetermined data we can group pilots to provide more actual drone racing at IO than drone qualifying. Since the High Voltage and Cracked Props pilots will be competing on one of these 2 tracks for the World Cup, we decided to get a little preview of the show! When the group races are scheduled to start, there is no qualifying or practice, it's RACE TIME! So be at the track 30 minutes early to check in!

Requirements:

- 800g or less
- No battery limit.

- No prop limit

Qualifying Heats:

- None

Format:

- Tone Start
- Best to 2 Laps (unless track leader determines otherwise)
- Triple run mains, to a final main
- Pilots are randomly assigned into one of 6 subgroups of up to 8 pilots.
- Each subgroup will race 3 times. The winner of the subgroup will be determined by combined finishing position in your best 2 races. The tie-breaker is the pilot with the best single finishing position (1-2-3, beats a 2-2-2). If there is still a tie, then the best laps/time from the best finishing position run is the final tie breaker
- Subgroup winners will advance to the A-Main event for 3 races, which will follow the same format to determine the winner of this group race.

Nearly Almost World Cup

So you didn't qualify for the MultiGP World Cup presented by TBS, or the Almost World Cup, but we have 1 more race for you! This year we are proud to introduce the Nearly Almost World Cup Race! This race will consist of the next next 32 pilots that did not make it into the World Cup! The format will be 2-4 practice packs and then into a double elimination bracket of fast paced heads up racing!

Requirements:

- 800g or less
- No battery limit.
- No prop limit
- 3 qualifying rounds (based on entries, time remaining), qualifying based on Fastest-2 laps Consecutive

Qualifying Heats:

- Tone Start
- 2 minutes in duration, then finish lap
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest 2-Consecutive Laps
- 3 Rounds of Qualifying via ZippyQ (roughly 2 hours)

- Top 32 qualify for brackets, 8 up.

Finals:

- Tone Start
- Approximately 60 seconds - 90 seconds in Duration
- Best to 2 Laps (unless track leader determines otherwise)
- The Finals of the bracket will finish with Chase the Ace.



7 - Five33 Presents: The All Skills Track

We brought back a classic and one of the most popular tracks at an IO ever! The Groovy 2021 GQ submission! We modified this track with championship size gates and increased the spacing! This track will fit every skill level and a great place from beginner to pro to get some packs in! We will also feature a Five33 Freedom Spec Oval Race on this track! You must be flying Freedom Spec settings for this race, available here, <https://freedomspec.com/the-spec>. All tracks are open from 10A-6pm, unless a specific event below is listed.

Track Schedule

- **Wednesday**
 - 12pm-2pm - Open Flying
 - 2pm-4pm - Five33 Freedom Spec Oval Race
- **Thursday**
 - 12pm- 3pm - Hammers Group Race
- **Friday**
 - 3pm - 6pm - Lipo Fires Group Race
- **Saturday**
 - 12pm - 3pm - Hammers Group Race
- **Sunday**
 - Track Closed

Lipo Fires and Hammers Group Race

Let's race! The idea for the group races is that using predetermined data we can group pilots to provide more actual drone racing at IO then drone qualifying. When the group races are scheduled to start, there is no qualifying or practice, it's RACE TIME! So be at the track 30 minutes early to check in!

Requirements:

- 800g or less
- No battery limit.
- No prop limit

Qualifying Heats:

- None

Format:

- Triple run mains, to a final main
- 2 Lap Race
- Pilots are randomly assigned into one of 6 subgroups of up to 8 pilots.
- Each subgroup will race 3 times. The winner of the subgroup will be determined by combined finishing position in your best 2 races. The tie-breaker is the pilot with the best single finishing position (1-2-3, beats a 2-2-2). If there is still a tie, then the best laps/time from the best finishing position run is the final tie breaker
- Subgroup winners will advance to the A-Main event for 3 races, which will follow the same format to determine the winner of this group race.

Five33 Freedom Spec Oval Race

Five33 presents the Freedom Spec Oval Race. This will be a very easy course that is pretty much just KAACK KAACK KAACK, (full throttle) the whole time! Make sure you are running the Freedom Spec and 180 for the RPM Limit!

A quick recap is below of the spec but for full information visit Freedomspec.com.

Requirements:

- 533g Minimum Weight
- Five33 Headsup 2207 1960kv Motors
- HQ R38 Headsup Prop
- 3 or more (non-status) LEDs
- Any 6s Battery
- Any BLHeli32 or AM32 ESC
- Betaflight KAACK (Version 4.4.x KAACK)
- RPM Limit of 18,000 which is "180" set in the firmware

Qualifying

- One hour of ZippyQ

- Tone Start
- Lap 1's time will start at Start/Finish Gate (like Global Qualifier)
- Fastest Laps

Finals

- Tone Start
- Approximately 90 seconds – 120 seconds in Duration
- Single Elimination Top 16 Bracket



8 - TINY WHOOP PRESENTS: Tiny Whoop Track

Track Leader: Jesse “JesseP” Perkins of TinyWhoop.com

With even more allocated tent space this year, the Tiny Whoop track will feel less crowded and give Jesse ample room to craft the finest of Tiny Whoop tracks. Open every evening, the Tiny Whoop track is the night-time party spot for IO.

Track Schedule:

- **Wednesday 8pm - ?** - Come Chill and Whoop (and Competition Practice)
- **Thursday 9pm - ?** -Qualifying for the Whoop Final
- **Friday 9pm - ?** - Tiny Whoop Final
- **Saturday 10pm - ?** - Tiny Whoop Party after the World Cup Race! Who knows what will happen here!

TINY WHOOP COMPETITION SPECIFICS

- Please try to bring left or right polarized antennas. If you can't, please see Jesse P or one of the Tiny Whoop Track volunteers to get your antenna sorted out.
- Each pilot will have lots of practice time every evening during the event with 2 chances to submit official qualifying times.
- Tiny whoop racing will be casual practice every day except the last night after the World Cup race.

- During casual practice you can come up to Jesse P or any of the Tiny Whoop volunteers and ask to do one of your two official qualifying times.
- We'll use those times to pick a top 16 who will enter a double elimination bracket immediately after the world cup, starting at 9:30pm Friday.²
- The last chance to qualify will be Thursday night
- Any pilot may enter.
- Tiny Whoop Championship limited to Tiny Whoop Specs, though all Micro Quads are welcome to fly the course

Qualifying Heats

- Tone Start
- 2 minutes in duration, then finish lap
- Laps in Time Format, i.e. 3 laps in 2:04.334
- Top-16 advance to Championship Brackets

Final Top-16 Double Elimination Bracket

- Tone Start
- Approximately 60 seconds - 90 seconds in Duration
- Best to X Laps (X will be decided during the event)
- 4-pilot Heads Up Races
- Final 4 race repeatedly until a pilot wins twice - "Chase the Ace"



Summary

The 2023 MultiGP International Open presented by will once again be the biggest FPV festival in history. Be prepared for an epic time, and be sure to read this manual thoroughly. Double check your gear, and get set to make memories that will last a lifetime. We look forward to flying with you at the next IO!

