

# **HOW FAST ARE YOU?**

## **2008 BIG TRACK EVENT**

### **MANUAL**

Finally!... Here we go everyone, a new way to make HFAY racing a part of your club, and take a little more advantage of that beautiful RCP track you all have laying around! This has been in the minds of many of us for quite some time and it's going to happen this December 2008!

This is going to be a 3 class event, Stock, Modified & F1! So I'm guessing most of us will have a full day planned for this and you'll all finally have a chance to blow some of the dust off those sick Mod cars which sit on the sidelines watching all that juicy HFAY race action take place every month! (yes... they are jealous of your Stock and F1 cars)

We are hoping to attract some of the newer and bigger clubs out there as well, so feel free to hit us up on our MZR threads if any of you out there have any questions. This event is sure to become a regular twice a year affair for us here at HFAY, so it wouldn't dent your regular club schedules much at all! Please join us for some serious online competition, you might just be the one to tell everyone about how you won your first world online competition! ☺

In this scale of racing it is very easy to start your own club, setup a track in your home, and basically race whenever you need to! It can become (if not already) the most well practiced scale of RC racing in the world! And with all this skill floating around out there, a question begins to loom... How fast am I? or better yet, HOW FAST ARE YOU ? Now with the advent of the Core Analog lap timing system, and widespread usage of the RCP "Wide tile" track system, a new evolution has taken shape. People are now able to pit their skills with drivers from anywhere in the world! If you toured our site, you probably have a really good idea of what we are trying to accomplish here. We started this site with the Time Trial events, which is a great way to test regular driving skill. But we all know that racing usually means passing, bumping, and of course... accidents (yes, recovery is a skill too!). Different skills for each aspect, so we need to take them all into account to have a true measure of the talent out there!

We try to keep this as simple, and as fun as possible for all. This manual will walk you through, step by step, showing you how to produce real results for your club. If you have any questions on anything within the following manual, please do not hesitate to contact one of the HFAY Judges on our website:

<http://www.howfastareyou.com>

If you desire to become a Judge, so your club can participate in this event, shoot us an email, and we will be more than happy to walk you through our requirements for setting you up to become an approved HFAY racing station!

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#### **GETTING STARTED**

First off, there are pre-requisites for competing in this event. Here are the first steps.

1. All clubs must have a **minimum of 3 Wide "L" RCP tracks**, and if possible a Wide Inside turn kit. RCP tracks can be purchased from many different venues, check our links page on our website for further information on where to purchase tracks and timing systems.
2. You must be using approved chassis', bodies & Spec Motor (see V.T.R.s).
3. Participating clubs must have some form of lap timing/counting system. Compatible lap counting systems are as follows:

Core Analog KOPropo AMBit LapDragon TeamOrion GiroZ.

Really, any system that can conform to the timing configurations set forth for each layout. The timing configuration is on the point series webpage, shown in Core format.

4. You must be able to complete each event layout, as shown on our website, and must submit the results within the designated time frame. **NO EXCUSES!** If times are not submitted within the designated time frame, your club will not receive any points for that particular event. (See page 4, rule #2 for timeframe details)
5. You must setup the track exactly as shown on the point series page, this includes bump out tiles as well! You can omit the Wide Inside turns for regular inside turns if so needed.
6. Each driver must have a designated "name" or "handle" throughout the entire event, when results are turned in, they must be in a basic text format, here's an example:

Racer, Laps, Time, Club name, Chassis type, Motor type, Class (see below for examples)

```
RCGuru,75,8:00.34,Club name,MR02,HFAY Spec,Racer
Havok,73,8:04.09,Club name,MA010,HFAY Spec,Racer
Superdude,72,8:02.64,Club name,MR015,HFAY Spec,Racer
MiniZManiac,70,8:02.44,Club name,MR01,Stock,Racer
Bullet,69,8:06.66,Club name,FIRELAP,HFAY Spec,Racer
RacerX,68,8:02.41,Club name,XMOD,Stock,Racer
```

Please name the text file in an easy to understand format as well, we want to be sure we get the right results in the right event! Best to keep classes separated too. An example would be: Club name, Mod Class Results

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#### GETTING STARTED cont'd

**7.** Cheating will not be tolerated in any way, shape, or form! It is the judge's responsibility to make sure this does not happen! If a judge finds a club member cheating, he must pull that driver from the series. As true competitors, you are all expected to put forth your best honest effort. The HFAY Judge has the final say in all matters for his club's participation.

**8.** Each participating club must have at least a minimum of 3 drivers for each Main. Filler drivers are allowed to maintain the minimum amount of drivers for the Mains at the Judge's discretion. (Filler driver's data will not be counted but must be recorded)

**9.** Each track may be practiced as much or as little as the club would like. Heats and qualifying may be done in the format that the individual club deems necessary to complete.

**10.** Once the races have been completed they may not be re-run to improve results. Re-runs of races will be due to lap counter failure resulting in un-usable data only. Races cannot be stopped due to mechanical failure of vehicle(s). So make sure your vehicle is ready to run the full race! Collisions can and do cause breakage, but that's all part of racing! So be courteous and careful out there!

**11.** You must finish each race with the car you started with (same chassis, body and of course... motor) it is permissible to repair parts of your car to get back into a race, but you may not swap cars entirely.

**12.** All races will be run in a clockwise direction.

**13.** Race "Mains" are to be **10** minutes long.

**14.** The timing loop must be centered under the full width checkerboard starting line.

**15.** Starting position will be determined by the club's preference, obviously you will be lining up behind the loop's location. Space the cars as necessary. Jumping the start must be avoided at all costs. If a driver jumps the start signal, the race will be waived off and the grid reset as per club's preference.

**16.** Actual race data can be released by each club only after that data is posted on the HFAY website. It is not required to post the actual race data, but it is recommended. So don't tell anyone how you did until the results are posted on the HFAY website!

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1. There are no points for this event, just direct time comparison between drivers. These results have nothing to do with the HFAY regular point series.
2. Club results must be e-mailed to [briankstan@howfastareyou.com](mailto:briankstan@howfastareyou.com) by 10:00am (MST) on the 1st day of the following month (January 2009) to be considered on time. Late entries will not be scored. You can run your events ahead of time if you like, but please turn in the results as soon as possible. (we will hold them until release date) As long as we get the data for the event before the due date.
3. Results from each club will be kept secret until all participating club results have been collected. Only then will the results be posted on the HFAY Website. This prevents clubs that have not run yet from unfairly seeing the results they must beat.
4. Results will be posted on our website within the first week of January 2009.

#### **Driver's Championship (Prize Awarded for Stock)**

When all results are received, obviously the drivers with the most laps and best times will be named champs for the classes they win. There will be a Wide "L" RCP track system awarded to the winner of Stock Class.

#### **16 & Under Driver's Championship (Prize Awarded for Stock)**

When all results are received, obviously the drivers with the most laps and best times will be named 16U champs for the classes they win. You must be 16 or under at the time of the race to qualify for this class. There will be a Kyosho Autoscale awarded to the winner of 16U Stock Class.

For the rest of the classes, it's going to be all about the bragging rights. (best prize of all, right?)

**Onto the tech regulations... There are 3 classes explained on the next three pages, so please pay close attention!**

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### Stock Class Tech Regulations

**Electronics:** **Mini-Z**

Kyosho ESC only. This includes the new 2.4ghz and the AD Band ESCs. FET modifications and capacitors are allowed.

**Iwaver (all)**

Iwaver ESC only. FET modifications and capacitors allowed.

**Xmods**

(Gen 1 and EVO) Xmod ESC only, The "Tight Turn" upgrade is permitted on the Gen 1 Xmod only. FET modifications and capacitors are allowed.

**Chassis:** Kyosho MR-01, MR-015, MR-02, MA-010, or equivalent Iwaver, Firelap, or Xmod (Gen 1 or EVO) chassis. Any AWD vehicles must operate as AWD at all times. AWD is optional in the Xmods.

**HFAY SPEC Motor:** We have a new HFAY Spec motor for Season 6 Racer Class. Working with PN Racing we have found a motor better suited to keeping all of our competitors a little more evenly matched. Remember, this is the first Season where there is no FET limit on the cars so this motor should work out quite well for this new rule. You can order this motor from the websites:

[www.slmmini-zstore.com](http://www.slmmini-zstore.com) <http://shoptinyrc.com> [www.risingsunracing.co.uk/shop](http://www.risingsunracing.co.uk/shop)

Look for the HFAY Spec or HFAY Stock motor on those sites. It's one of the cheapest racing motors you'll find out there, and it's top quality manufacturing to boot!

**RTR Stock Motor:** If you opt out of the new HFAY Spec Motor, you can still run the motor that comes stock with your OEM motor that came with your RTR kit.

**Bodies:** 1/28th scale Kyosho Autoscale bodies, Iwaver bodies, or Xmod bodies. Atomic VDS and PN Pan car bodies are allowed. No Lexan bodies, No "big wings", or airdams. Minimal material may be removed to prevent bodies from snagging RCP rails or interfering with rear suspension travel. Judges reserve the right to disqualify a body for excessive material removal.

**Batteries:** Nickel Metal Hydride AAA size batteries only. 4 cells only! (Any brand)

**Transmitter:** Any brand

**Frequency:** Any AM 27MHz, 2.4ghz or AD band.

**Alloy:** Any aftermarket alloy parts are allowed.

**Bearings:** Any brand.

**Tires:** Rubber/silicone types only, no foam tires allowed. No traction compounds allowed on tire, or race surface. Tire warmers are allowed.

**Wheels:** Stock, or aftermarket plastic, delrin, and alloy wheels are permitted.

**Suspension:** Any aftermarket or custom "homebuilt" suspensions are allowed, as long as they operate in a "stock" manner. Frontal alloy suspension bars are allowed (these do require removal of some material from the chassis of the Mini-Z to install).

**Hop-ups:** Hop-ups may include any of the following: wheels, motor mounts, knuckles, tie rods, ball diffs, front/rear springs, H-plates, etc. (basically hop-ups are limited to any suspension and handling upgrades, motor mounts and battery clips.)

(Vehicle Tech Regulations continued on next page)

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### F1 Class Tech Regulations

**Electronics:** Mini-Z

Kyosho ESC only. This includes the new 2.4ghz and the AD Band ESCs. FET modifications and capacitors are allowed.

**Chassis:** Kyosho F1 Chassis only.

**HFAY SPEC Motor:** Same as Stock Class regulation.

**RTR Stock Motor:** If you opt out of the new HFAY Soec Motor, you can still run the motor that comes stock with your OEM motor that came with your RTR kit.

**Bodies:** Kyosho Autoscale bodies only, this includes "white bodies" too.

**Batteries:** Nickel Metal Hydride AAA size batteries only. 4 cells only! (Any brand)

**Transmitter:** Any brand

**Frequency:** Any AM 27MHz, 2.4ghz or AD band.

**Alloy:** Any aftermarket alloy parts are allowed.

**Bearings:** Any brand.

**Tires:** Rubber/silicone types only, no foam tires allowed. No traction compounds allowed on tire, or race surface. Tire warmers are allowed.

**Wheels:** Stock, or aftermarket plastic, delrin, and alloy wheels are permitted.

**Suspension:** Any aftermarket or custom "homebuilt" suspensions are allowed, as long as they operate in a "stock" manner.

**Hop-ups:** Hop-ups may include any of the following: wheels, motor mounts, knuckles, tie rods, ball diffs, front/rear springs, suspension plates, etc. (basically hop-ups are limited to any suspension and handling upgrades, motor mounts and battery clips.)

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### Modified Class Tech Regulations

- Electronics:** Any type of stock format or aftermarket type electronics are allowed.
- Chassis:** Any type of chassis, any drive types. All aftermarket chassis are allowed.
- Motor:** Any type of 130 sized motor (no brushless). Homebuilt or aftermarket.
- Bodies:** 1/28th scale Kyosho Autoscale bodies, Iwaver bodies, or Xmod bodies. Atomic VDS and PN Pan car bodies are allowed. Lexan bodies are allowed, No "big wings", or airdams. Minimal material may be removed to prevent bodies from snagging RCP rails or interfering with rear suspension travel. Judges reserve the right to disqualify a body for excessive material removal.
- Batteries:** Nickel Metal Hydride AAA size batteries only. 4 cells only! (Any brand)
- Transmitter:** Any brand
- Frequency:** Any AM 27MHz, 2.4ghz or AD band.
- Alloy:** Any aftermarket alloy parts are allowed.
- Bearings:** Any brand.
- Tires:** Rubber/silicone or foam tires allowed. No traction compounds allowed on tire, or race surface. Tire warmers are allowed.
- Wheels:** Stock, or aftermarket plastic, delrin, and alloy wheels are permitted.
- Suspension:** Any aftermarket or custom "homebuilt" suspensions are allowed.
- Hop-ups:** Hop-ups may include any of the following: wheels, motor mounts, knuckles, tie rods, ball diffs, front/rear springs, suspension plates, etc. (basically hop-ups are limited to any suspension and handling upgrades, motor mounts and battery clips.)

Tech inspections are at the Judge's discretion at any time before, during or after the event. Remember, these events are based on honesty! If you are cheating, you will have to live with the knowledge that you could not cut it like everyone else! Besides, this is mostly for fun anyways.

Basically, we all know what gives these cars real performance advantages and we all certainly know a fair race when we see one!

And... with this event, for the first to time in HFAY's history, we have a race event for Mod Class is for absolutely anything 1/28 scale! So if you have a real beast of a tuned driving machine, now's your big chance to show the world what you've got!

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#### **Acknowledgements:**

We would like to give special thanks to all of the Mini-ZRacer.com forum members for their participation and assisting us in setting up and running the both HFAY Time Trials, our Online Point Series, and now... Our new Big Track Event!!! (so much to do, right? ☺ ) Without you, it would have been extremely difficult to bring this exciting new racing format to the world. Thanks for all of your help, input and efforts, they are greatly appreciated!

Please realize that we need all of you to participate in forum discussions to keep a good general consensus of what works and what doesn't, we need this input, HFAY can't evolve without it! Each club competing will need to assign two individuals to the Judge positions. They must convey your ideas and gripes to all of the other judges so we can build this consensus. There are all kinds of threads on all kinds of subjects surrounding this whole series. Please visit Mini-ZRacer.com and be involved with future development of this series. Discuss ideas with your fellow racers, organize polls, give us your opinions! We are nailed down once the seasons or events start, but we are more than happy to conform to bigger or better ideas before the next begins. **IT'S YOUR SERIES!**

There is no entry fee for this event, but there is a small fee to compete in the regular OLPS series for each club. You must pay this fee before the end of your first month's participation in the series or those points will not be scored. The fee is **\$12 per club** no matter the amount of drivers. Club fees go towards website upkeep and other HFAY initiatives. We are big-time, non-profit (I don't think we've ever been out of the red ink!) grass roots, small RC car nutcases who just love racing! Good luck all!... We'll see you in the rankings!

HFAY Management