

# **HOW FAST ARE YOU?**

## **ONLINE POINTS SERIES (SEASON 28)**

### **Racer / Open Class Version**

You've found it! The greatest place for pure online RC competition! We are now going into our 14<sup>th</sup> year here at HFAY and we are very happy to see our ranks continuously growing with some of the best small scale racers in the world!

This is the Racer version of our HFAY OLPS manual.

We look to the future and we hope you will join us!

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 ?

With affordable lap timing systems, 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've already 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:

<https://nextleveltiming.com/communities/hfay/championships/4>

<http://www.howfastareyou.com>

Or email [briankstan@saltlakemini-z.com](mailto:briankstan@saltlakemini-z.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

1. All clubs must have a minimum of 2 Wide "L" RCP tracks.
2. You must be using approved chassis', bodies & Spec Motor (see V.T.R.s on pg. 4).
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. I-Lap. Any system that can conform to the timing configurations is usable
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.
5. You must setup the track exactly as shown on the point series page, this includes bump out tiles as well!
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:

The classes must match allowed set of classes for the championship or the race result uploads will display an error.

\* indicates required field.

Racer Name\*, Laps\*, Race time\*, Club name, Chassis, Body, Class\*, Fast lap

Example file contents: Note Both Classes Listed in the same file.

```
RCGuru,114,8:03.600,Salt Lake Mini-Z,MR-03,PN 70T,Racer,0:03.820
Havok,107,8:00.930,Salt Lake Mini-Z,MR-03,PN 3500KV,Racer,0:04.030
Superdude,107,8:02.220,Salt Lake Mini-Z,MR-03,PN 70T,Racer,3.920
MiniZManiac,106,8:02.600,Salt Lake Mini-Z,GLA,Ensotech 3500KV,Open,0:03.710
RCGuru,97,8:03.640,Salt Lake Mini-Z,GLA,GL 3500KV,Open,0:03.900
Havok,98,8:03.770,Salt Lake Mini-Z,GLR,GL 3500kv,Open,0:03.880
```

The Format above is required to submit times to the website, the HFAY judge will log into the website and upload the results into the system. Calculations are done automatically therefore the Racer name is very important and needs to remain consistent throughout the entire series.

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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. Although, drivers who bump up into another HFAY Main must fully disregard their previous results, even if the previous results were better!

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. First race of each layout is to be run Clockwise. Second race of each layout is to be run Counter Clockwise.

13. Race "Mains" are to be 8 minutes long, and Set to a standard start, meaning that the clock starts when the horn sounds. (note: IFMAR or Staggered starts are not allowed.)

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 highly recommended.

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#### Point Series Format

1. Points will be awarded to each individual racer based on overall finishing position. This will be achieved by ranking all data received by all of the participating clubs. Finishing position will be determined by amount of laps completed, and the time to complete them.
2. Each racer will have 2 point drops to use for either missed races or eliminating their lowest point finish for a race. All racers will have their 2 lowest finishes automatically eliminated from their final points tally at the end of the season.
3. Club results must be uploaded to the How Fast Are You website by 10:00am (MST) on the 3rd day of the following month to be considered on time. Late entries will not be scored. You can run your events ahead of time if you like, but please upload your results as soon as possible.
4. Scoring data from each club will be kept secret until all participating club results have been collected. Only then will the monthly results be posted on the HFAY Website. This prevents clubs that have not run yet from unfairly seeing the results they must beat.
5. Results will be posted on the HFAY Website by the 4<sup>th</sup> of the following month. Please have your times submitted on time, please notify me if you will be late.
6. Points will be awarded by using a very simple point scale, only a first place finish gives a 1 point boost, the new scale allows for 199 drivers to receive points for an event (See below). These points will be awarded for each race, each month. The overall results (laps completed and times), along with the Overall Standings will be posted on the HFAY website.

<b>FINISH</b>	<b>POINTS</b>	<b>FINISH</b>	<b>POINTS</b>
<b>1<sup>ST</sup></b>	<b>200</b>	<b>9<sup>TH</sup></b>	<b>191</b>
<b>2<sup>ND</sup></b>	<b>198</b>	<b>10<sup>TH</sup></b>	<b>190</b>
<b>3<sup>RD</sup></b>	<b>197</b>	<b>11<sup>TH</sup></b>	<b>189</b>
<b>4<sup>TH</sup></b>	<b>196</b>	<b>12<sup>TH</sup></b>	<b>188</b>
<b>5<sup>TH</sup></b>	<b>195</b>	<b>13<sup>TH</sup></b>	<b>187</b>
<b>6<sup>TH</sup></b>	<b>194</b>	<b>14<sup>TH</sup></b>	<b>186</b>
<b>7<sup>TH</sup></b>	<b>193</b>	<b>15<sup>TH</sup></b>	<b>185</b>
<b>8<sup>TH</sup></b>	<b>192</b>	<b>Ect.</b>	<b>Ect.</b>

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#### Vehicle Tech Regulations

##### PLEASE NOTE!

You may now add any combination of aftermarket FETS to any of the 1/28<sup>th</sup> scale type ESCs offered by all of the various manufacturers. As this scale steps up to a new level of performance... we do as well! This new rule offers all of our competitors many choices as to what they think will work best for what their needs. It's going to prove to be quite a challenge to most to find the right combination for themselves, and we look forward to seeing the results of it all! Choose wisely and good luck!

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

Kyosho ESC's. This includes the ASF 2.4ghz, and FHS 2.4ghz and the AD Band ESCs, MR-03S, Brushless Mini-Z or VE boards\* (see motor spec for limitation when running the VE boards. The PN Spektrum MR-02 and 03 Boards are allowed as well. FET modifications and capacitors are allowed. PN ESC, and Kyosho EVO Electronics 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, MR-03(S), MA-010(S), or equivalent Iwaver, Firelap, or Xmod (Gen 1 or EVO) chassis. Any AWD vehicles must operate as AWD at all times. The PN 2.5 Chassis Conversion is allowed as well.

**See Open Class below for exceptions.**

**Racer Class Motor:** Stock Mini-Z Motor (No X-speed or similar), PN 70 Turn Motor. There is no FET limit on the cars, so this motor works out quite well for this rule.

Legal Brushless Motors: All motors with a 3500 or lower KV rating are legal. Including but not limited to PN, Atomic, GL-Racing, X-power 3500KV motors. (Open gearing for both).

**Open Class Motor/Battery Chassis:** Any Brushed or Brushless Combo Running Lithium batteries, Nimh Batteries or other combo that doesn't fall within the Racer Class Motor Rules.

**Open Class allows for any other competing chassis that conforms to the scale. Examples would be: GL-Racing's GLA, GLR & GLF, Atomic BZ, or similar. All Kyosho Mini-Z Racer and F1 Chassis' (MR-015, MR-02, MR-03, MF-010, MF-015, Etc.) and PN 2.5 Chassis are legal as well in Open.**

(Vehicle Tech Regulations continued on next page)

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#### Vehicle Tech Regulations cont'd

**Bodies:** 1/28th scale Kyosho Autoscale bodies, Iwaver bodies, or Xmod bodies. Atomic VDS and PN Pan car bodies are allowed. No Lexan bodies in Racer Class. 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. Lexan Bodies are Legal in Open Class.

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

Open Batteries: Any Type or Size of battery permitted. (Any brand)

**Transmitter:** Any brand

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

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

**Bearings:** Any brand.

**Overall Weight:** 170grams Minimum w/ batteries installed and body on.  
Open Class there is no mimimum

**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.)

Tech inspections are at the Judge's discretion at any time before, during or after the event. Remember, these events are based on honesty! Don't ruin the fun by cheating, end of story.

In most forms of Specification racing, the driver's rank is based almost entirely on that driver's skill level. This is the whole reason for our point series. We want to prove how good the racing skills are out there for this scale of racing!

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### **Driver's Championship (For Bragging Rights).**

1. When all 10 races (five events) have been completed, the driver with the most accumulated points will be named "DRIVER'S CHAMPION".
2. When all 10 races (five events) have been completed, the driver with the second most accumulated points will be named "FIRST RUNNER UP".
3. When all 10 races (five events) have been completed, the driver with the third most accumulated points will be named "SECOND RUNNER UP".

### **Club Championship (For Bragging Rights).**

1. When all 10 races (five events) have been completed, a "CLUB CHAMPION" will be named.
2. The Club Championship is scored by combining the total points scored by each driver of that club, and then dividing it by the total number of said club's driver attendances for the season to create an average for that club. Clubs will be disqualified from the Club Championship if the entire club misses more than 2 races (one event).

At the end of the season, the club with the greater average will be named "Club Champion".

3. Points ties are broken in favor of the tied club with the most wins. If still tied, the Championship goes to one of the tied clubs with the highest finish in the last race.

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#### **Acknowledgements:**

As always, 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, and the Online Point Series. 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. You know it... we know it... HFAY OLPS has been an outstanding success!

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 start, but we are more than happy to conform to bigger or better ideas before the next begins. **IT'S YOUR SERIES!**

Also, there is an entry fee 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 and domain costs.

See you on the track!

HFAY Management