



AiM Webinar
“Analyzing a Lap of Kart Data”
6.16.20
Edited Q&A

1 **Q:** When externally powered, does the Mychron5 use more power than the Mychron4?

A: Yes. The MyChron5 is processing GPS, internal sensors, etc., which will require more power than the Mychron4.

Another thing I have noticed with customers is many will leave the wifi setting on ‘on’ or ‘auto’ without knowing, especially new users. This dramatically increases battery drainage as well...

2 **Q:** How do we bring up the time compare bar?

A: You need to have two sessions active and be in the distance view (pie graph button at the top right)

3 **Q:** With shifter karts, is it possible to adjust the settings for calculated gear if you find the data isn’t matching what the driver is doing?

A: You can modify the math channel or, if it’s as simple as 1 gear off, you can subtract or add an integer based on the offset in the channels setting. Just right-click on the channel and set the b value to +/- the offset you see in the data.

4 **Q:** This appears to be karting track instead of a road racing track; it is interesting that the GPS map shows such a divergence of the driving lines of the two drivers for a narrower track. Is the logger any different than what you would find used on a road racing car (Evo or MX series)?

A: Yes, this is karting data. The MyChron5 utilizes the same GPS08 internally, as the external GPS08 module used on other systems like the Evo5 and MXS 1.2. The same difference in feet appears to be bigger on a kart track because the total size is way lower.

Important to note that on each data set the two laps were from the same driver, in the same session (not two different drivers).

5 **Q:** At 2000ft, why is there so much noise?

A: [Answered live]

6 **Q:** I see that the red/blue/green - corner/straight function is disabled on the data presented; is there a reason for this or is it just Eric's personal preference?

A: [Answered live]

7 **Q:** Are there any other new channels that we should use in Karting, such as Braking or Acceleration, as seen in previous webinars?

A: Any of the GPS math channels we have discussed in previous webinars will apply to karting data.

G SUM is a fantastic channel to see how a driver is optimizing their performance at the limit. Also, Roger demonstrated to me the 'radius' channel that was a fantastic channel I had never used before or seen before during our practice demos, that is a game changer as well. In a hand-ful of data sets where a kart has had the brake potentiometer installed, this has also been very helpful for karters, as braking habits in a kart for new drivers are hard to break initially (pun intended).