



AiM Webinar
“Using the RPM Channel for Optimum Performance”
6.23.20
Edited Q&A

1 **Q:** Using a Solo2 DL on a Formula Ford with electronic ignition, the RPM signal is very noisy. Any tips or solutions to fix this?

A: We make an RPM filter that some people have had luck with. There's also the Veracity Formula Ford RPM pickup which gives a much cleaner signal. You can find that here: <https://veracitydata.com/products/veracity-racing-products/>

2 **Q:** I am using the RaceStudio2 Track Report to analyze braking zones, I know how to compare different laps, but how can I compare two different drivers or sessions at same time, in the same map?

A: Unfortunately, that's not something you can do in the current software.

3 **Q:** A bit off subject, but I'm considering upgrading my Solo DL to Solo2 DL. I have an open cockpit car. Is the Solo 2 the same in terms of weatherproofing as the original?

A: Both have the same IP67 water resistance rating. Rain and splashes shouldn't be a problem. No pressure washers, please. ;)

4 **Q:** What is the preferred RPM input source? I have a C5 corvette and Gen III ECU, I am using the ECU output which always gives an RPM rise at the upshift point and some instability after the upshift occurs (not physical with the car). Would I be better off connecting directly to a coil? I am using an MXG 1.0.

A: This will differ from car to car depending on vehicle, ignition type, source, etc. Sometimes it's just a matter of trial and error to see what works best for your particular set up. A lot of the time RPM from the ECU is more consistent and less likely to get interference. I would try both and see what works best. It's also possible to integrate an RPM filter to fix noisy RPM Signals.

5 **Q:** How do I get my GPS trace and graphs on the same page?

A: Click "Window" in the top left, from the drop-down select either "Tile Horizontally" or "Tile Vertically", then drag and resize the windows the way you want them. If you want to return to this view, save it as a User Profile.

6 **Q:** What caused the noise in the TPS trace on the white lap at 5600 feet?

A: [Answered live at 27:48]

7 **Q:** In a Spec Miata, are the downshifts single or double clutched?

A: [Answered live at 34:13]

8 **Q:** @Emiliano: Will it be possible in RS3A to have an average value in the channel report for the whole session?

A: I'm taking it into consideration.

9 **Q:** Can you turn on a time trace to get time of the shift?

A: Using the Delta function would probably be the easiest way to see that quickly.

10 **Q:** Is double-clutching in a Spec Miata just to save the transmission or something else?

A: I'm no Spec Miata expert but I would say yes. It's probably to avoid grinding gears and keep shifts smooth.

11 **Q:** Shouldn't the driver work harder at not over slowing when doing that extra down shift?

A: [Answered live at 48:40]

12 **Q:** Is there a webinar about track report?

A: There is! Here's the link:

<https://youtu.be/wsRzaGOAT5I>