



RaceME Ultra User Manual

The RaceMe Ultra has many available options. Based on the year and configuration of your truck, some options may not be available.

This manual was constructed to cover some of the basics of your new tuner to help make you more comfortable with the operations of it.

If there is anything you as the customer wants to see in our manuals, feel free to email us at tech@racemecanada.com and let us know how we can better serve you.



The Ultra's main gauge layout (or dashboard) come in four configurable configurations. These can be chosen from the main menu screen as ABCD, or from the gauge screen by the **left and right arrows at the top of the screen.**

To access the main menu, select **four dot icon in the center of the screen**. Any of the digital style gauge layouts like the ones in the center of the picture will have a “max” display. This simply shows the highest readout that the parameter ID or PID has reached. These “max” displayed numbers can be reset by touching the icon to the right of the left arrow (circled in white).

The Ultra has the ability to datalog whatever is on the dashboard display at the time. The user can change the gauge layout to whatever they see fit and then simply **touch the red record icon at the top of the screen**.

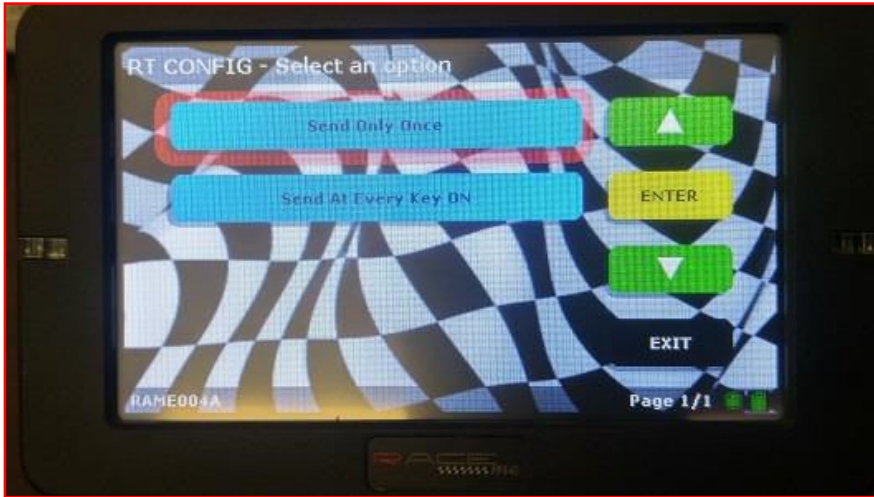
Once touched, the icon will start to blink and the Ultra will start recording. To stop recording, simply touch the record icon again and the blinking will stop. The Ultra will create a file in the SD card’s root directory called “log” and the datalog will automatically stored there.

From there, the SD can be removed, and the log file can then be copied, emailed or viewed with such programs as Excel or Datplot. Another unique attraction to the Ultra is the use of the **RT or real time function also located at the top of the screen**. This allows the user to select real time capable parameters and change them on the fly while they drive. To use this function, touch the RT from the main gauge display. This will bring up this menu.



The first option will allow you to select either “send only once”, which means any RT parameters you change will be reverted back every time you shut the key off. The other option is to “send at every key on”.

This of course will keep the last RT setting you have entered.

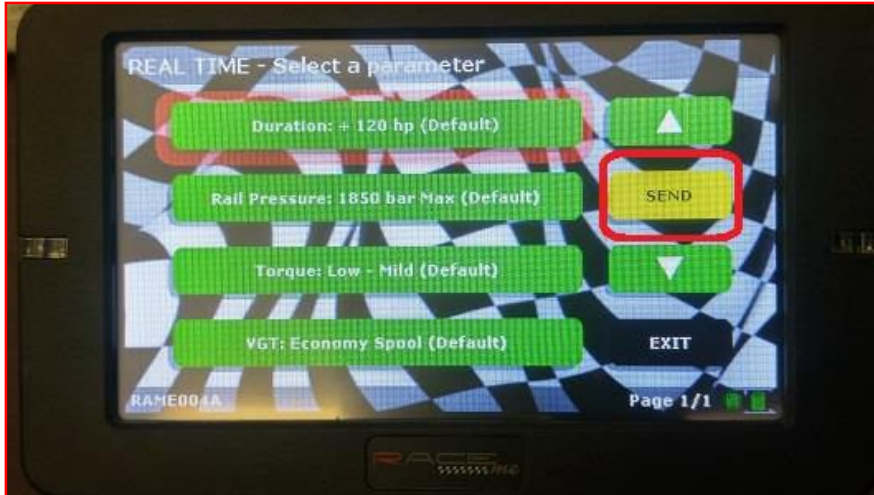


We recommend the “send only once” option and a scenario such as this: If you drive your truck to get groceries 90 percent of the time, load a base file through the ECM tuning option. Now if you are going to tow your 5th wheel camper to the lake, select your desired option for towing through the RT menu.

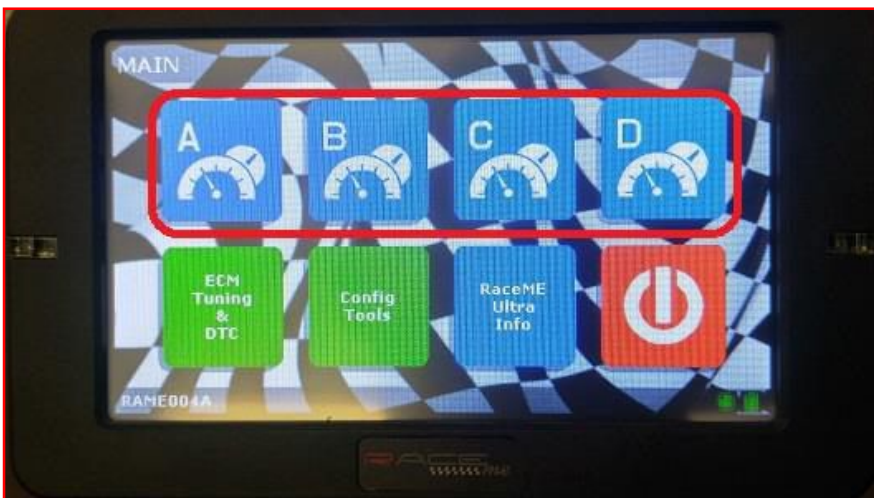
Make the tow, when you are finally unhooked and shut your truck off, the next time you start it, it will be back to your base file options and you are ready to get groceries again.

The other option in this menu is the RaceMe defined parameters. This simply is the same menu you use to program the base files, but will give you the ability to change parameters in real time. Simply select the parameters you wish to change and hit send. It’s that easy. The options selected will send to the truck instantly. You can change these setting anytime the key is on, in park or drive, while stopped at a light, whenever.

Currently, transmission tuning is not a real time parameter and will not show up in this menu



There are four default dashboards that can be chosen from, either by the arrows at the top of the screen or the main menu. These dashboards can be configured to look different in the gauge layout menu which we will explain later. For now, select one of the four dashboards available.



This will show a set of gauges that can be configured to show you many parameter ID's so you can monitor your trucks vitals. To change which PID is showing, touch the gauge you would like to modify.

From here you can select which parameter you wish to see. The parameters are divided into types such as pressure, temperature, speed, etc..

Select the group in which your desired parameter is in. Then select the parameter you want.

Once selected, the parameter configuration will appear. This will give you information about your PID such as the group, colored zones, and current alarm settings. From here, you can also change the colored zones and alarms as you see fit.

In the range selection, you can choose where the blue, green, and red portions of the gauge will appear. On the digital style gauges, the bar under the number will reveal to your settings. Tap the zone you wish to change and type the number, within the allowable ranges and select save.

The alarm menu works the same way. Select the alarm you wish to modify, type in the new value, select save.

That easy!

The Ultra's main menu has some other options we will show you.

From the main menu, The "ECM tuning and DTC" is fully covered in the programming section of the manual. The power button is self explanatory. If you do choose to shut you Ultra off, you can turn it back on by simply touching the screen. The "RaceME Ultra info" button will display information about the ECM, the Ultra itself, the pyrometer status, as well as the license status.

The "config tools" menu is where you will go to update your tuner, request unlock codes, and change stuff like touchpad calibration, audio, and brightness. The Ultra's light sensor is located on the left side of the screen. If you cover this sensor the unit will immediately dim.



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