

CREATING A LOG

HOW DO I CREATE A LOG ON THE POWER VISION SO I CAN REVIEW THE DATA LATER?

The Power Vision has the ability to log channels of data, from the bike and our wideband o2 sensors during a ride. Reviewing a saved log is a great way to analyze a problem. If your bike has an area of the tune with a problem, you can ride the bike in the problem area, and log what was happening. You can later review the log to gain insight into what the engine was doing during that time period. It is a good idea to create a log long enough to capture the area you want, but not so long that you can't find the problem area. Reviewing a log that is five minutes long is fairly straightforward; reviewing a thirty minute log can be rather time consuming.



On the Power Vision you need to setup the channels of data you want to log, this is done under **Datalog>Datalog Settings>Signals**

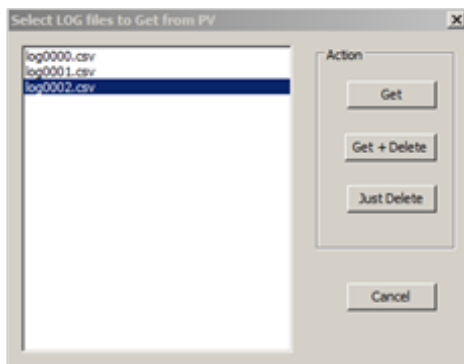
Depending on what you are looking to log, and whether you have stock narrowband o2 sensors, or wideband o2 sensors, you need to select the appropriate settings. You can also **select Manual, and select from the available channels you want to log**. See table at the bottom for some possible fields to log.



Once you have selected the channels you want to log, during a ride you just need to **go the Gauges screen (Datalog, Gauges), and press Start Log**.



It doesn't matter which gauge screen you are on, or which channels of data you are displaying; this has nothing to do with the channels that are being logged. The name of the log will show up in the left box, swapping back and forth with the size of the log. The name will be something like log0000.csv. Once you have gathered enough data, you can **press End Log**.



To retrieve the log from the Power Vision, you need to use the WinPV software on a Windows computer. With the Power Vision plugged into the computer, **click Get Log**.

Highlight the log you want, and click Get. Save this log file someplace on your computer. You can rename the log file after it is saved on your computer, with a meaningful name if you have several log files. **You can delete logs on the Power Vision by highlighting, and clicking Just Delete**. See the next Power Vision Tuning guide for how to review a log file.



**SOME ON THE AVAILABLE CHANNELS ON THE POWER VISION.
NOT ALL CHANNELS ARE AVAILABLE ON ALL BIKES.**

NAME	SHORT NAME	UNITS	NAME	SHORT NAME	UNITS
Accel Enrichment	Acel Enr	ms	Rear O2 Sensor Volts	Rear O2 V	volts
Spark Advance Front	Advance F	deg	Desired Air/Fuel (Lambda)	Set Lambda	
Spark Advance Rear	Advance R	deg	Front Spark Knock Retard	Spark Knock F	deg
Battery Voltage	B+	volts	Rear Spark Knock Retard	Spark Knock R	deg
Decel Enleanment	Decl Enl	ms	Throttle Position	TP	deg
Engine Temperature	ET	°F	Throttle Position Sensor	TP Sensor	%
Front Adaptive Fuel Factor	Front AFF	#	Twistgrip Position	Twist Pos	
Front Closed Loop Integrator	Front CLI	#	Twistgrip Sensor 1	Twist Sen 1	%
Front O2 Sensor Volts	Front O2 V	volts	VE Front	VE Front	volts
Idle Air Control Motor Position	IAC	steps	VE New Front	VE New Front	%
Intake Air Temperature	IAT	°C	VE New Rear	VE New Rear	%
Injector Time Front	INJ PW F	ms	VE Rear	VE Rear	%
Injector Time Rear	INJ PW R	ms	Vehicle Speed	VSS	mph
Manifold Absolute Pressure	MAP	kpa	Warm-up Fuel AFR (Ratio)	Warm-up AFR	
Manifold Absolute Pressure Sensor	MAP Sensor	volts	Warm-up Fuel AFR (Lambda)	Warm-up Lambda	
Engine Speed	RPM	rpm	Lambda 1	Lambda1	
Rear Adaptive Fuel Factor	Rear AFF	%	Lambda 2	Lambda2	
Rear Closed Loop Integrator	Rear CLI	%			

