



DIRECT LINK Race Performance User's Manual

TABLE OF CONTENTS

1. **QUICK-START INSTRUCTIONS**
 2. **PICTORIAL GUIDE TO CABLE CONNECTIONS**
 3. **STEP-BY-STEP DETAILED GUIDE TO USING THE SOFTWARE & HARDWARE**
 4. **STEP-BY-STEP DETAILED GUIDE TO USING THE AUTO TUNING FEATURE**
-

1. QUICK-START INSTRUCTIONS

- **Installation Procedure for Windows Vista/XP/2000/NT/98**

- 1) Insert CD-ROM into the CD-ROM drive of your computer.
- 2) Run the Setup.exe and follow each step for installation.
- 3) Insert the security hardware key into your computer USB port.
- 4) Connect one end of the vehicle interface cable to the serial port or USB to serial adapter of your computer and the other end to the motorbike data link connector if you cannot locate it please consult you motorcycle user manual.

Note: If your computer does not have a serial port we highly recommend the USB to serial adapter Keyspan USA-19HS.

- 5) Run the Direct Link Race Performance software

- **USB To Serial Adapter Software installation for Keyspan USA-19HS**

- 1) Install the keyspan software and Driver
- 2) Go to All programs then Keyspan USB Serial Adapter. Run the Keyspan Serial Assistant. Under Port Mapping set:
 - 3) Transmit Completion Timing Advance to: Faster
 - 4) Receive FIFO Buffer Size: 63
- 5) Then click update configuration

2. PICTORIAL GUIDE TO CABLE CONNECTIONS

(Note: power supply is NOT required to connect DirectLink)

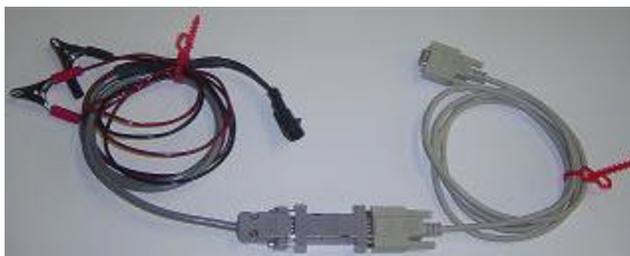
- Harley-Davidson/Buell serial communication interface box & cable for bikes with **DELPHI ECU/ECM**



- Harley-Davidson/Buell serial communication interface box & cable for bikes with **MAGNETI-MARELLI IAW26H ECU/ECM** and **Buell VDO-EFI ECU/ECM**



- Ducati, Moto Guzzi, GASGAS, Sherco, Gilera, Aprilia, Piaggio, Malaguti, & Voxan serial communication interface cable with **Magneti-Marelli IAW15 ECU/ECM**

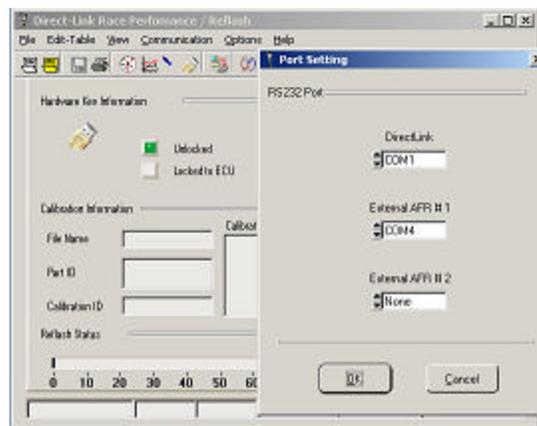


Make sure that the clamp with the red wire is connected to the + (Plus) terminal of the motorcycle battery and the clamp with the black wire is clamped to the – (Minus) terminal of the battery of the motorcycle. Improper connection could damage the ECU/ECM of the motorcycle.

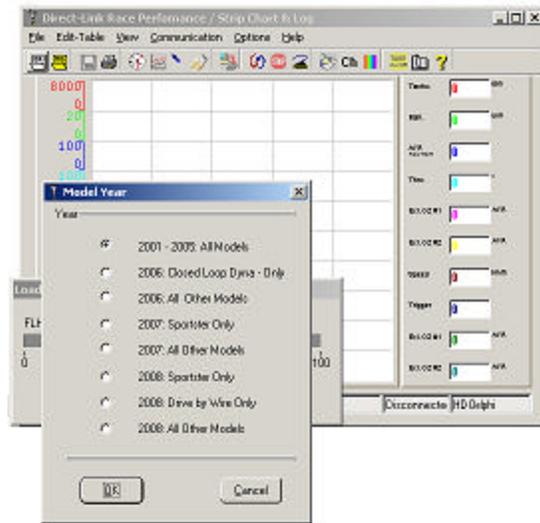
3. STEP-BY-STEP GUIDE: DIRECT LINK RACE PERFORMANCE SOFTWARE & HARDWARE



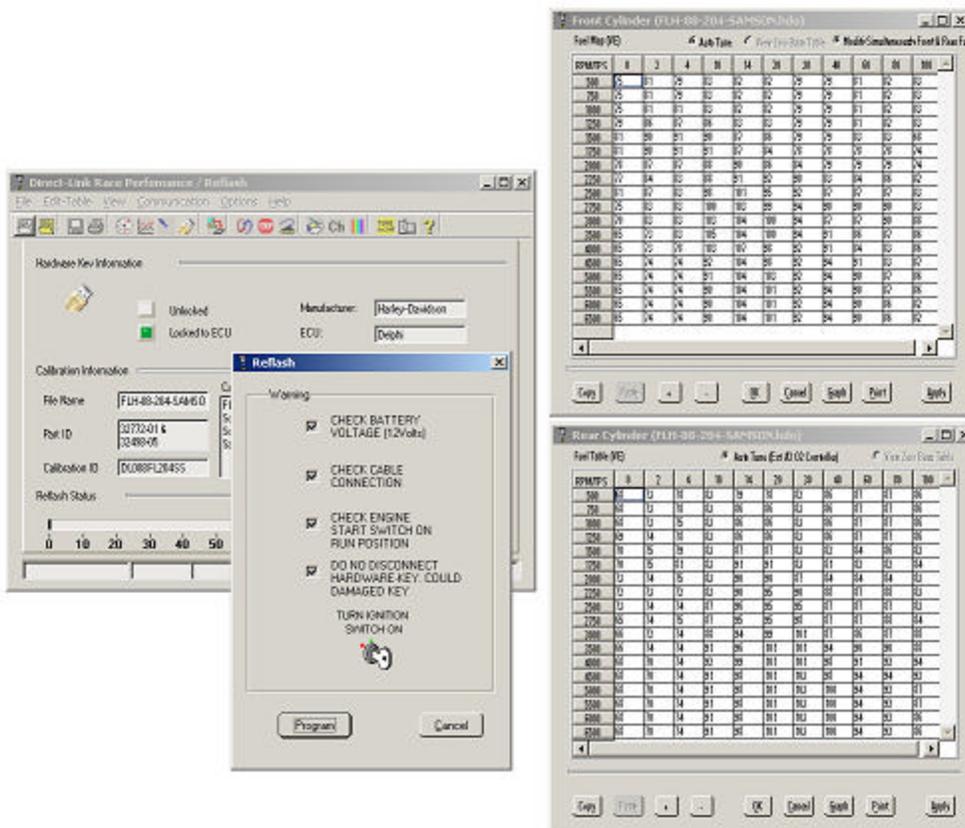
Step 1 Select your language of preference



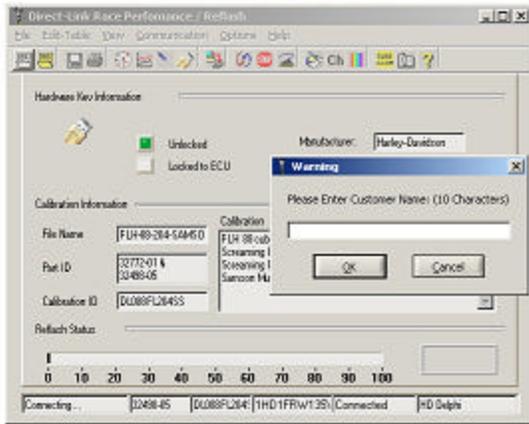
Step 2 Select the correct communication serial port from the computer. If computer does not have a serial port, a high speed USB Serial Port Adapter USA-19HS is needed (manufactured by Keyspan)



Step 3 Go to the File menu and select Open Calibration, then select either Original or Modify. Choose the desired map and select Load. Note: When mapping a BUELL bike ONLY: first go to the File menu and select Read ECU Map. Also: before mapping a BUELL: disconnect the O2 sensor and reset both the AFV (go to View, Active Setting, and AFV box) and the TPS. Refer to procedure on CD-ROM for TPS re-set.



Step 4 Go to Communication and select Program



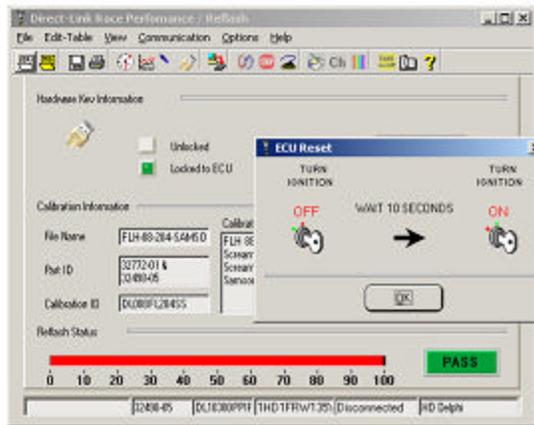
Front Cylinder (FLH-89-204-SAM60) Job Log View Link to Table

RPMS	1	2	3	4	5	6	7	8	9	10	11	12
500	81	79	82	82	82	79	79	81	82	82		
750	81	79	82	82	82	79	79	81	82	82		
1000	81	81	82	82	82	79	79	81	82	82		
1250	85	82	82	82	82	79	79	81	82	82		
1500	88	81	86	87	86	79	79	82	82	82		
1750	88	81	81	87	84	79	79	79	79	74		
2000	87	87	88	88	88	84	79	79	79	74		
2250	84	82	88	91	82	86	82	84	86	82		
2500	87	82	88	88	88	86	82	82	82	82		
2750	82	82	88	88	88	84	86	86	86	82		
3000	82	82	82	82	84	86	84	82	82	84		
3250	82	82	88	84	86	84	81	86	87	86		
4000	82	82	82	82	82	82	81	84	82	86		
4500	82	74	74	82	84	82	84	81	82	87		
5000	82	74	74	81	84	82	84	86	87	86		
5500	82	74	74	86	84	81	82	84	86	87		
6000	82	74	74	86	84	81	82	84	86	82		
6500	82	74	74	86	84	81	82	84	86	82		

Rear Cylinder (FLH-89-204-SAM60) Job Log View Link to Table

RPMS	1	2	3	4	5	6	7	8	9	10	11	12
500	82	78	81	78	81	82	82	81	81	86		
750	82	78	81	82	82	82	81	86	81	81		
1000	82	78	81	82	82	81	82	81	81	84		
1250	81	74	81	82	82	81	82	81	81	82		
1500	78	75	78	81	81	81	81	81	81	84		
1750	78	75	81	81	81	81	81	81	81	81		
2000	77	74	75	81	81	81	81	81	81	81		
2250	77	73	72	81	81	81	81	81	81	81		
2500	77	74	74	81	81	81	81	81	81	81		
2750	85	74	75	81	81	81	81	81	81	81		
3000	84	73	74	81	81	81	81	81	81	81		
3250	82	74	74	81	82	81	81	81	81	81		
4000	82	76	74	82	81	81	81	81	81	81		
4500	82	76	74	81	81	81	81	81	81	81		
5000	82	76	74	81	81	81	81	81	81	81		
5500	82	76	74	81	81	81	81	81	81	81		
6000	82	76	74	81	81	81	81	81	81	81		
6500	82	76	74	81	81	81	81	81	81	81		

Step 5 Another message will pop up asking you to enter the name of the bike owner. This message will be displayed every time a new key is programmed.



Front Cylinder (FLH-89-204-54M6) (Moto)

File Name (M) Ask Tune View Log View Logs Help/Close/Refresh/Print/Export

RPMS	1	2	4	8	16	32	64	128	256
500	0	0	0	0	0	0	0	0	0
750	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0
1250	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0
1750	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0
2750	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0
3250	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0
3750	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0
4250	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0
4750	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0
5250	0	0	0	0	0	0	0	0	0
5500	0	0	0	0	0	0	0	0	0
5750	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0

Copy Print OK Cancel Quit Exit Apply

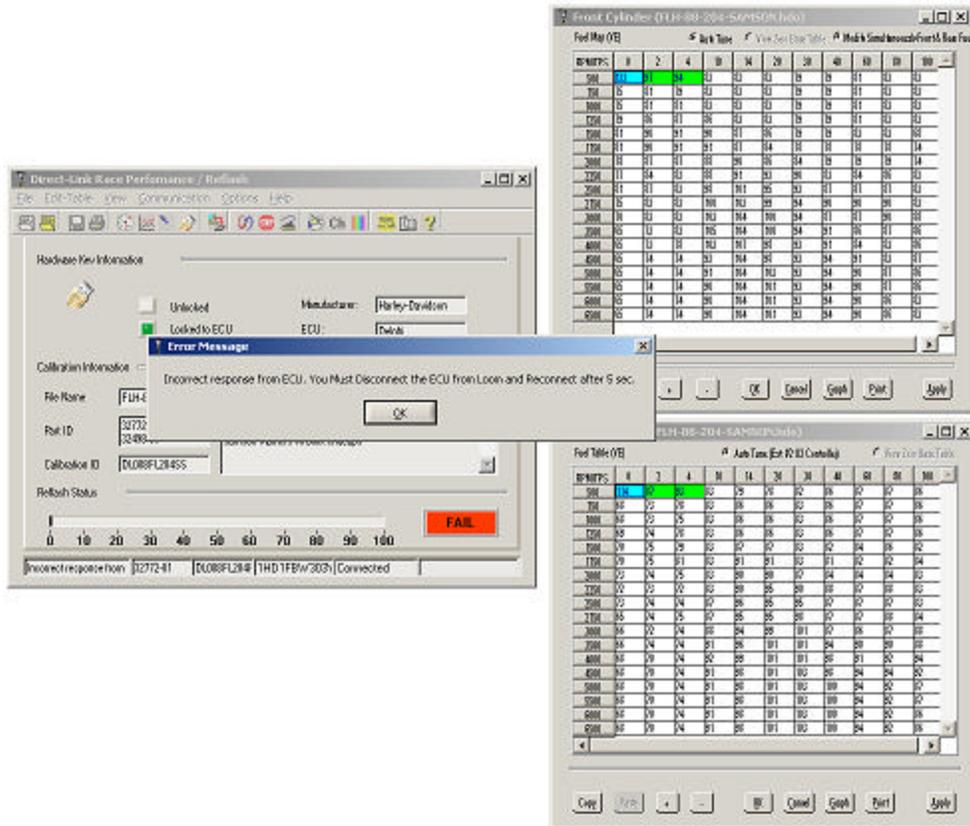
Rear Cylinder (FLH-89-204-54M6) (Moto)

File Name (M) Ask Tune (Exit) (Close) View Log View Logs Help/Close/Refresh/Print/Export

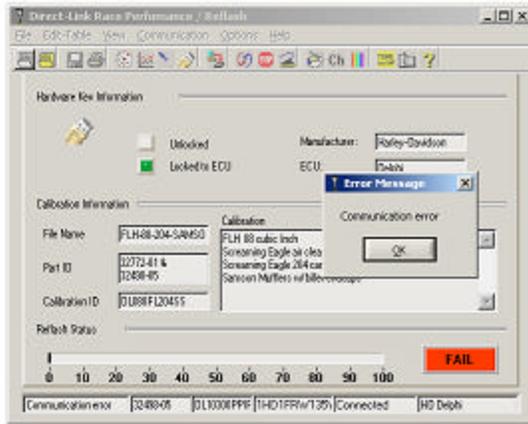
RPMS	1	2	4	8	16	32	64	128	256
500	0	0	0	0	0	0	0	0	0
750	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0
1250	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0
1750	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0
2750	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0
3250	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0
3750	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0
4250	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0
4750	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0
5250	0	0	0	0	0	0	0	0	0
5500	0	0	0	0	0	0	0	0	0
5750	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0

Copy Print OK Cancel Quit Exit Apply

Step 7 After successfully programming, turn ignition off, wait 10 seconds and turn ignition on again, then run the bike. Skip to Step 10.



Step 8 If during the programming you get the error message shown above, disconnect the ECM/ECU for 30 seconds, then reconnect, then begin programming again. If this message persists, remove all the fuses and relays from the fuse box of the bike *except the ECM/ECU and ignition fuse*. Reprogram the ECM/ECU and put back all the fuses.



Front Cylinder (FLH-00-204-SAP650) [Info]

Fuel Map (0) Ask Tune View Fuel Map Table Mark Symbols/Fuel/Run Fuel

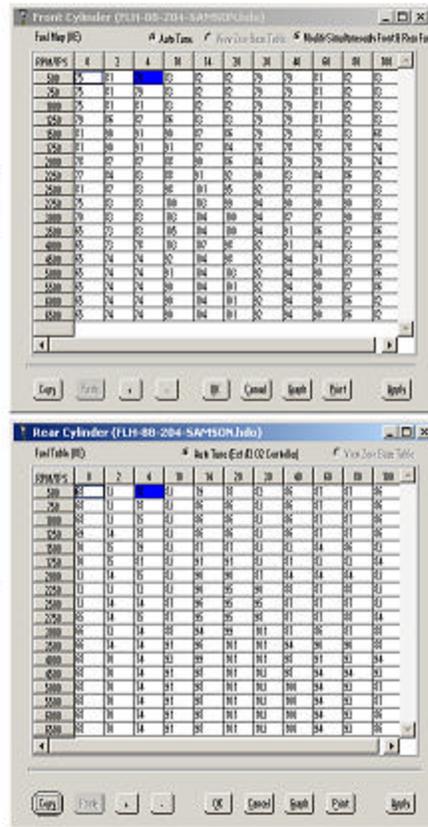
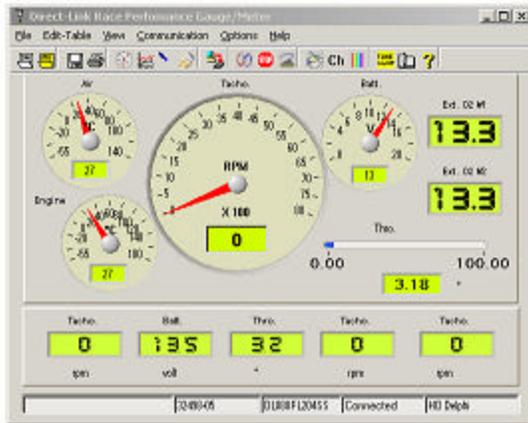
SPRINGS	1	2	4	8	16	32	64	128	256
500	5	11	19	31	51	83	121	179	271
750	5	11	19	31	51	83	121	179	271
1000	5	11	19	31	51	83	121	179	271
1250	5	11	19	31	51	83	121	179	271
1500	5	11	19	31	51	83	121	179	271
1750	5	11	19	31	51	83	121	179	271
2000	5	11	19	31	51	83	121	179	271
2250	5	11	19	31	51	83	121	179	271
2500	5	11	19	31	51	83	121	179	271
2750	5	11	19	31	51	83	121	179	271
3000	5	11	19	31	51	83	121	179	271
3250	5	11	19	31	51	83	121	179	271
3500	5	11	19	31	51	83	121	179	271
3750	5	11	19	31	51	83	121	179	271
4000	5	11	19	31	51	83	121	179	271
4250	5	11	19	31	51	83	121	179	271
4500	5	11	19	31	51	83	121	179	271
4750	5	11	19	31	51	83	121	179	271
5000	5	11	19	31	51	83	121	179	271

Rear Cylinder (FLH-00-204-SAP650) [Info]

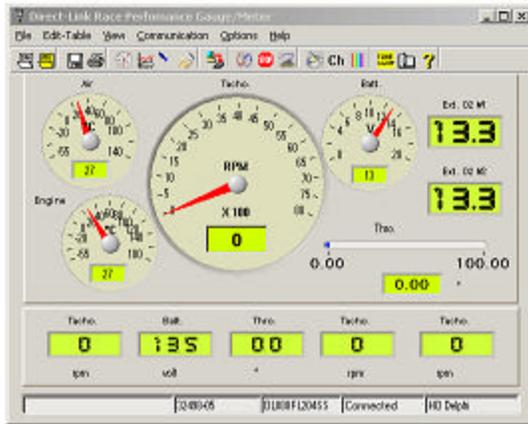
Fuel Map (0) Ask Tune Edit Fuel Map Table View Fuel Map Table

SPRINGS	1	2	4	8	16	32	64	128	256
500	5	11	19	31	51	83	121	179	271
750	5	11	19	31	51	83	121	179	271
1000	5	11	19	31	51	83	121	179	271
1250	5	11	19	31	51	83	121	179	271
1500	5	11	19	31	51	83	121	179	271
1750	5	11	19	31	51	83	121	179	271
2000	5	11	19	31	51	83	121	179	271
2250	5	11	19	31	51	83	121	179	271
2500	5	11	19	31	51	83	121	179	271
2750	5	11	19	31	51	83	121	179	271
3000	5	11	19	31	51	83	121	179	271
3250	5	11	19	31	51	83	121	179	271
3500	5	11	19	31	51	83	121	179	271
3750	5	11	19	31	51	83	121	179	271
4000	5	11	19	31	51	83	121	179	271
4250	5	11	19	31	51	83	121	179	271
4500	5	11	19	31	51	83	121	179	271
4750	5	11	19	31	51	83	121	179	271
5000	5	11	19	31	51	83	121	179	271

Step 9 If during the programming you get this error message, disconnect the ECM/ECU for 30 seconds, then reconnect, then begin programming again. If this message persists, then remove all the fuses and relays from the fuse box of the bike *except the ECM/ECU and ignition fuse*. Reprogram the ECM/ECU and put back all the fuses.



Step 10 Go to View and select Gages, then go to Communication and select Connect. As you are revving the bike, the tracer will be moving in the front & rear map. This feature is called tracer and is showing you in real time your exact map location based on RPM and Throttle Position.



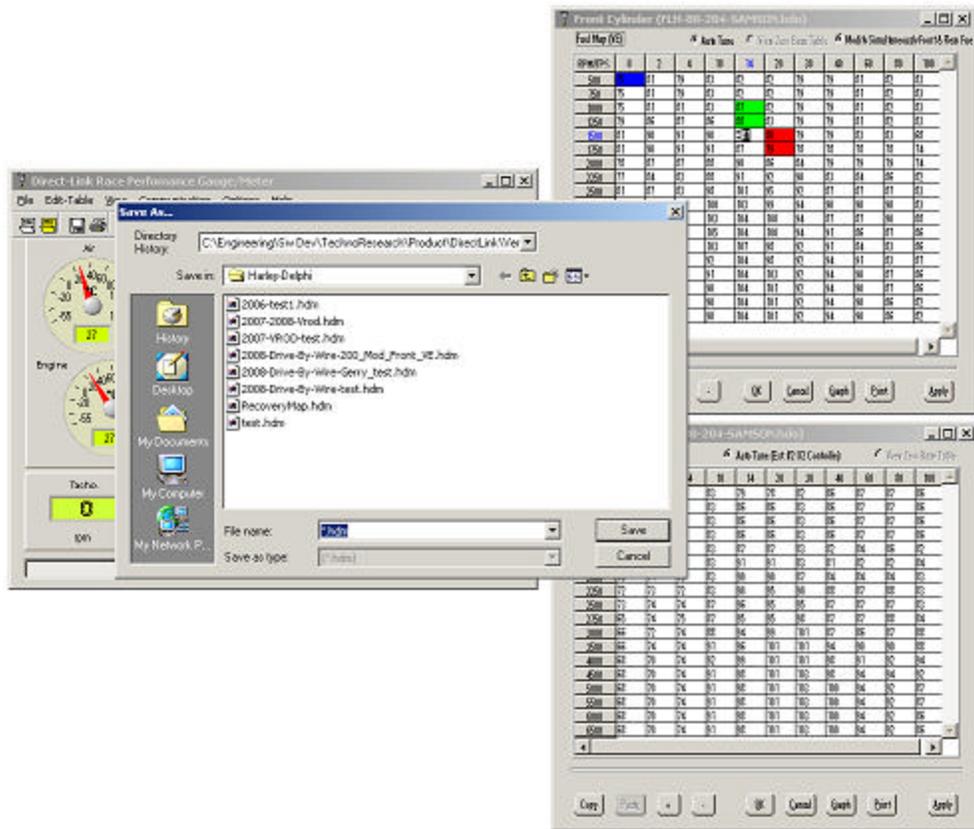
Front Cylinder (FLH-05-204-SAMSON)hda

RRMS	1	2	4	8	16	32	64	128	256	512	1024
500	01	02	03	04	05	06	07	08	09	10	11
750	01	02	03	04	05	06	07	08	09	10	11
1000	01	02	03	04	05	06	07	08	09	10	11
1500	01	02	03	04	05	06	07	08	09	10	11
2000	01	02	03	04	05	06	07	08	09	10	11
2500	01	02	03	04	05	06	07	08	09	10	11
3000	01	02	03	04	05	06	07	08	09	10	11
3500	01	02	03	04	05	06	07	08	09	10	11
4000	01	02	03	04	05	06	07	08	09	10	11
4500	01	02	03	04	05	06	07	08	09	10	11
5000	01	02	03	04	05	06	07	08	09	10	11
5500	01	02	03	04	05	06	07	08	09	10	11
6000	01	02	03	04	05	06	07	08	09	10	11
6500	01	02	03	04	05	06	07	08	09	10	11
7000	01	02	03	04	05	06	07	08	09	10	11
7500	01	02	03	04	05	06	07	08	09	10	11
8000	01	02	03	04	05	06	07	08	09	10	11
8500	01	02	03	04	05	06	07	08	09	10	11
9000	01	02	03	04	05	06	07	08	09	10	11
9500	01	02	03	04	05	06	07	08	09	10	11
10000	01	02	03	04	05	06	07	08	09	10	11

Rear Cylinder (FLH-05-204-SAMSON)hda

RRMS	1	2	4	8	16	32	64	128	256	512	1024
500	01	02	03	04	05	06	07	08	09	10	11
750	01	02	03	04	05	06	07	08	09	10	11
1000	01	02	03	04	05	06	07	08	09	10	11
1500	01	02	03	04	05	06	07	08	09	10	11
2000	01	02	03	04	05	06	07	08	09	10	11
2500	01	02	03	04	05	06	07	08	09	10	11
3000	01	02	03	04	05	06	07	08	09	10	11
3500	01	02	03	04	05	06	07	08	09	10	11
4000	01	02	03	04	05	06	07	08	09	10	11
4500	01	02	03	04	05	06	07	08	09	10	11
5000	01	02	03	04	05	06	07	08	09	10	11
5500	01	02	03	04	05	06	07	08	09	10	11
6000	01	02	03	04	05	06	07	08	09	10	11
6500	01	02	03	04	05	06	07	08	09	10	11
7000	01	02	03	04	05	06	07	08	09	10	11
7500	01	02	03	04	05	06	07	08	09	10	11
8000	01	02	03	04	05	06	07	08	09	10	11
8500	01	02	03	04	05	06	07	08	09	10	11
9000	01	02	03	04	05	06	07	08	09	10	11
9500	01	02	03	04	05	06	07	08	09	10	11
10000	01	02	03	04	05	06	07	08	09	10	11

Step 11 You can now change a value by double clicking on the cell and then use the + (Rich) and - (Lean) buttons to modify values, then click Apply.



Step 12 After making the changes to the map, go to File and select Save As and save the file for future use.

4. DIRECT LINK AUTO TUNE FEATURE STEP-BY-STEP GUIDE

Below left: Harley-Davidson serial communication interface box & cable for bikes with **DELPHI ECU/ECM**

Below right: close up of Direct-Link A/D (Analog to Digital) wideband O2 sensor inputs cable, as seen in upper right position of photo at left. Three wires are inside cable: white wire is analog input 1; black wire is analog input 2; shielded wire is ground.

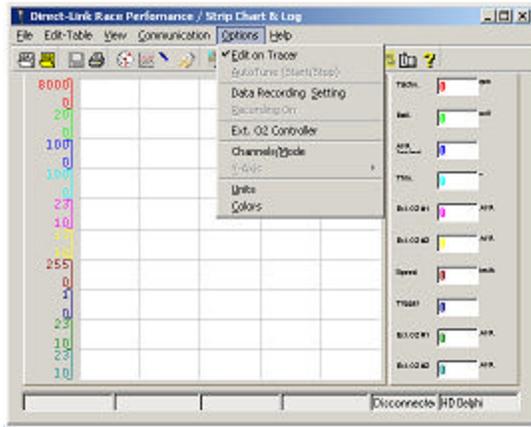


Note: Power supply is not required.

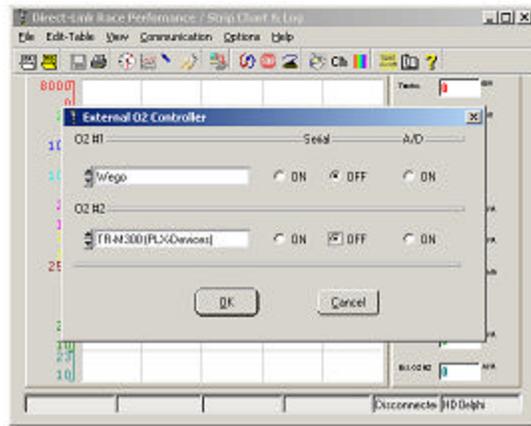
LC-1 Wideband controller



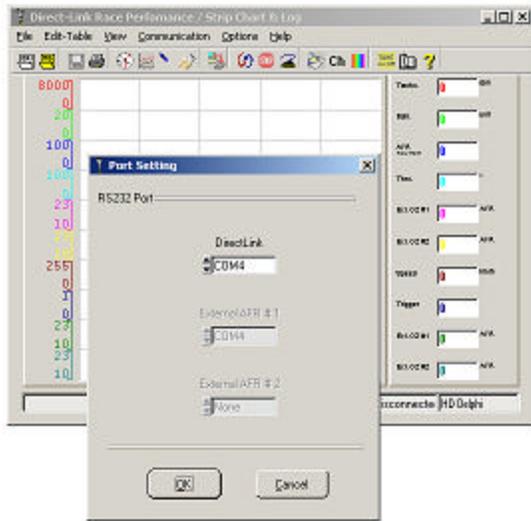
This is one of the products with which Direct Link can interface. The LC-1 is a complete wideband controller, which uses a Bosch Wideband Sensor from Innovate Motorsports. Other interface products include the Wego II & III wide-band air/fuel ratio from Daytona Twintec.



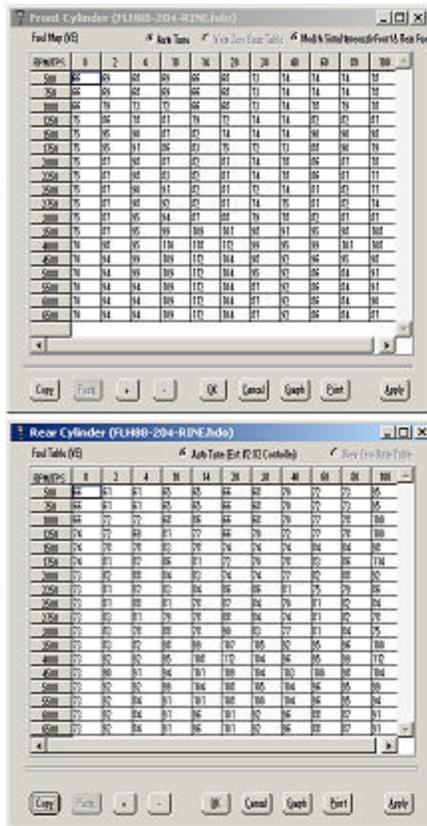
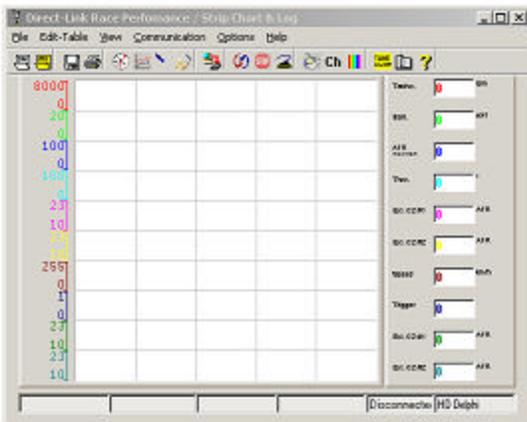
Step 1 Under Options select External O2 Controller



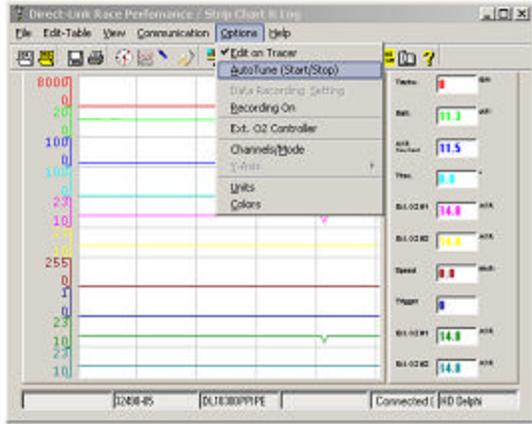
Step 2 Choose the type of O2 controller. Options for use with the serial cable are the TR-M300, or the LC-1 or LM-1, both from Innovate Motorsport. A/D output is available from Wego from Daytona Twintec.



Step 4 If you are using the serial cable (with TR-M300, or the LM-1 or LC-1), you must select the appropriate COM port for each device. If you are not using the serial cable (i.e. you are using the Wego), you do not need to select a COM port.



Step 5 Once a map is loaded, select Auto Tune on front and rear cylinder maps.



Front Cylinder (FLH85-204-819C-Info)

Auto Tune

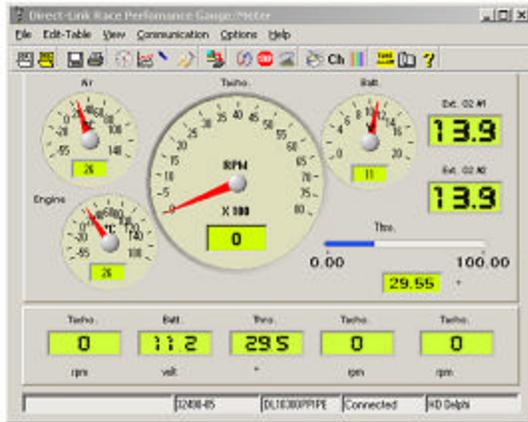
rpm/psi	1	2	4	8	16	32	64	128	256	512	1024	2048
300	71	82	83	84	85	86	87	88	89	90	91	92
320	84	89	92	93	94	95	96	97	98	99	100	101
340	84	89	92	93	94	95	96	97	98	99	100	101
360	71	84	85	86	87	88	89	90	91	92	93	94
380	71	84	85	86	87	88	89	90	91	92	93	94
400	71	84	85	86	87	88	89	90	91	92	93	94
420	71	84	85	86	87	88	89	90	91	92	93	94
440	71	84	85	86	87	88	89	90	91	92	93	94
460	71	84	85	86	87	88	89	90	91	92	93	94
480	71	84	85	86	87	88	89	90	91	92	93	94
500	71	84	85	86	87	88	89	90	91	92	93	94
520	71	84	85	86	87	88	89	90	91	92	93	94
540	71	84	85	86	87	88	89	90	91	92	93	94
560	71	84	85	86	87	88	89	90	91	92	93	94
580	71	84	85	86	87	88	89	90	91	92	93	94
600	71	84	85	86	87	88	89	90	91	92	93	94

Rear Cylinder (FLH85-204-819C-Info)

Auto Tune

rpm/psi	1	2	4	8	16	32	64	128	256	512	1024	2048
300	71	81	85	85	86	88	88	89	90	91	92	95
320	84	81	81	85	85	86	88	88	89	90	91	95
340	84	81	81	85	85	86	88	88	89	90	91	95
360	84	81	81	85	85	86	88	88	89	90	91	95
380	84	81	81	85	85	86	88	88	89	90	91	95
400	84	81	81	85	85	86	88	88	89	90	91	95
420	84	81	81	85	85	86	88	88	89	90	91	95
440	84	81	81	85	85	86	88	88	89	90	91	95
460	84	81	81	85	85	86	88	88	89	90	91	95
480	84	81	81	85	85	86	88	88	89	90	91	95
500	84	81	81	85	85	86	88	88	89	90	91	95
520	84	81	81	85	85	86	88	88	89	90	91	95
540	84	81	81	85	85	86	88	88	89	90	91	95
560	84	81	81	85	85	86	88	88	89	90	91	95
580	84	81	81	85	85	86	88	88	89	90	91	95
600	84	81	81	85	85	86	88	88	89	90	91	95

Step 6 Using the mouse, select Options. First select Edit on Tracer and then select Auto Tune (Start/Stop). You can also select Auto Tune by clicking on the Auto Tune icon located on the tool bar.



Front Cylinder (FLH88-204-R1NE.Info)

Fuel Table (V)

Adj Tune View Fuel Table Edit Fuel Table Test & Report

0 RPMPS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Rear Cylinder (RH88-204-R1NE.Info)

Fuel Table (V)

Adj Tune Edit Fuel Table

0 RPMPS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Step 7 As you move the throttle you will notice that the number in the cells will be changing. The green color indicates that that cell has been changed and that you can now move to the next cell.