

# TAQ Cables sLM2

## Installation Guide

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### Credits:

Special thanks to: Bruce Melton, Paul Blackmore, and Ross Myers.

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**LM-2** is a registered trademark of Innovative Motorsports.  
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## Introduction

**Please read the entire contents of this document  
before performing any of the steps.**

Before you begin:

1. The contents of this tutorial are specific to EFILive's FlashScan V2 and Innovative Motorsports LM-2 wideband O2 sensor.
2. EFILive's "Serial Wideband Tutorial" contains detailed instructions for both BBL and pass-thru serial logging. The Serial Wideband Tutorial can be found in the "Tutorials" section of EFILive's forum: <http://forum.efilive.com>
3. Upgrading to the latest release of the EFILive software will ensure all features are available and appear as documented. EFILive upgrades may be downloaded, free of charge here: <http://www.efilive.com/downloads.aspx>
4. Upgrading to the latest release of the Innovative software will ensure all features are available and appear as documented. Innovative upgrades may be downloaded here: <http://www.innovatemotorsports.com/>

## Installation

1. Locate the serial out port on the LM2 device (**Figure 1**)
2. Plug the sLM2 4-pin connector into the LM-2 serial out port
3. Locate the serial port on FlashScan (**Figure 2**)
4. Plug the sLM2 RJ12 connector into the FlashScan serial port

## Verify Installation From FlashScan

1. Locate the OBD2 port on FlashScan (**Figure 3**)
2. Connect FlashScan OBD2 cable to the PCM and FlashScan
3. Select "Options" (**F4**) (**Figure 4**)
4. Select "Setup" (**F1**) (**Figure 5**)
5. Select "Edit Settings" (**F1**) (**Figure 6**)
6. Set "Ser PIDs" to "YES" (**Figure 7**)
7. Set "COM In" to "Wide-O2" (**Figure 8**)
8. Set "COM Out" to "Wide-O2" (**Figure 9**)
9. Set "WO2 Type" to "Innovate" (**Figure 10**)
10. Press the "Ok" button to save your settings
11. Press the "Cancel" button twice to return to the main menu
12. Select "Scan Tool" (**F2**) (**Figure 11**)
13. Select "Data Logging" (**F1**) (**Figure 12**)
14. Select "Display WO2" (**F3**) (**Figure 13**)

FlashScan will display "Controller Not Found" until the next step is completed (**Figure 14**)

Pressing FlashScan's "Ok" button will toggle displays thru sensor one, two, and dual sensor

15. Start the vehicle's engine
16. When FlashScan starts communicating with the LM-2 the display will update to represent the current state of the LM-2.

Serial communications can be verified by witnessing the #2 LED blinking rapidly and monitoring the data on FlashScan's LCD (**Figure 15**)

Pressing the "Enter" button will toggle thru AFR, Lambda, and EQ Ratio displays

Pressing the power button will initiate a free air calibration

## Figures

Figure 1



Figure: 2



Figure: 3



Figure: 4

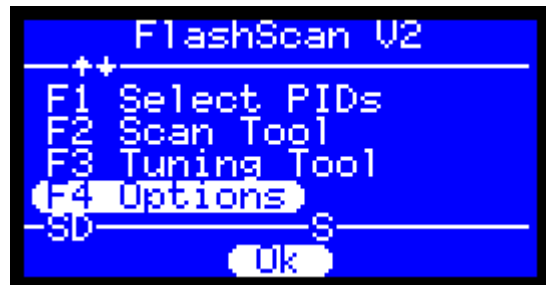


Figure: 5

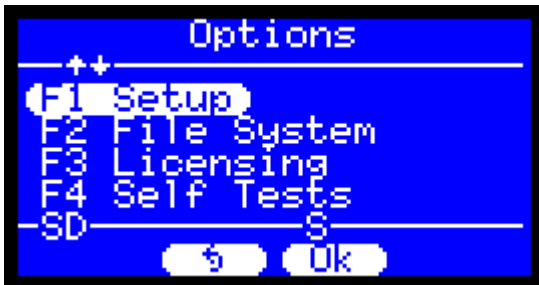


Figure: 6



Figure: 7

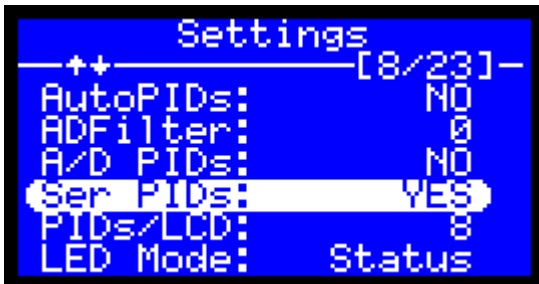


Figure: 8

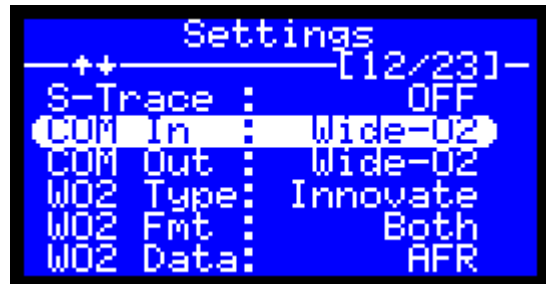


Figure: 9

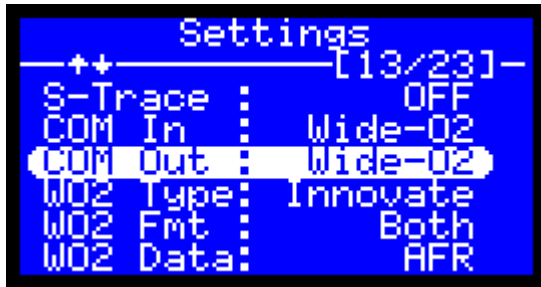


Figure: 10

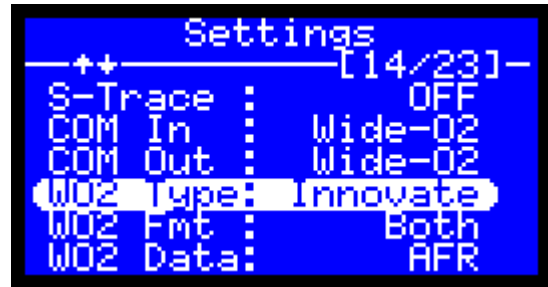


Figure: 11

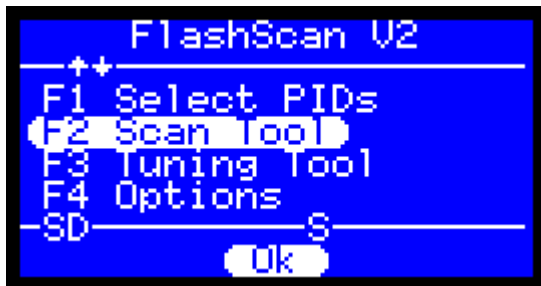


Figure: 12

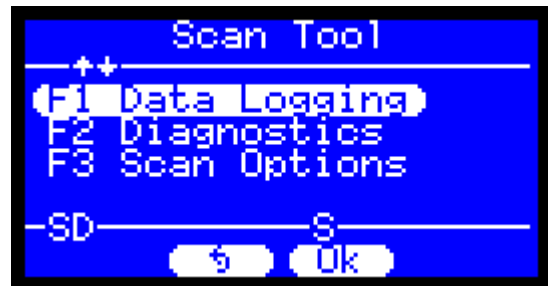


Figure: 13



Figure: 14

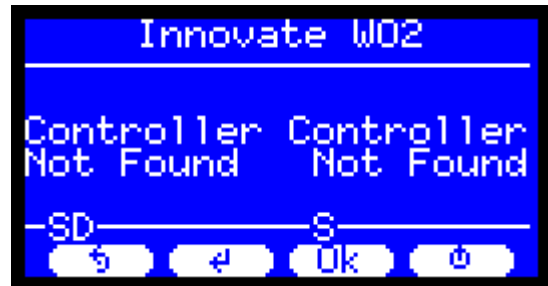


Figure: 15

