

# 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

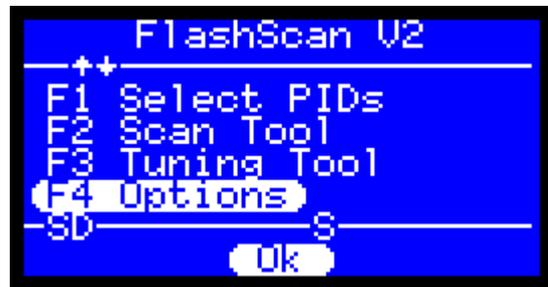


Figure: 5

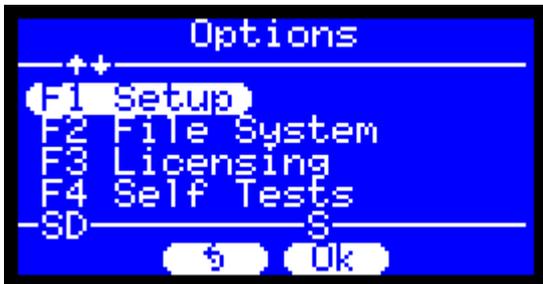


Figure: 6



Figure: 7

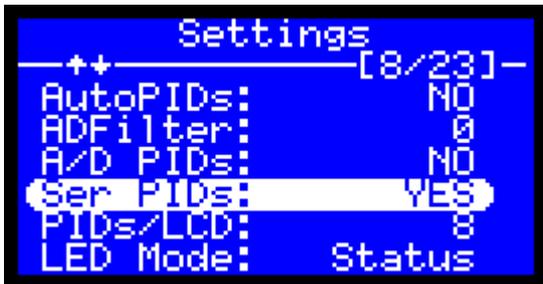


Figure: 8



Figure: 9

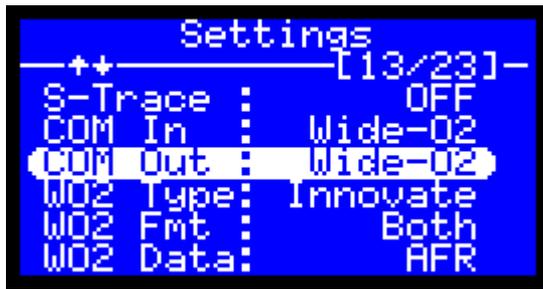


Figure: 10

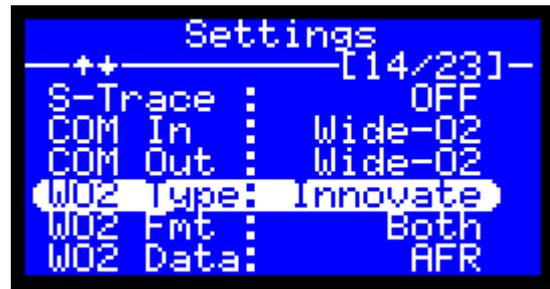


Figure: 11

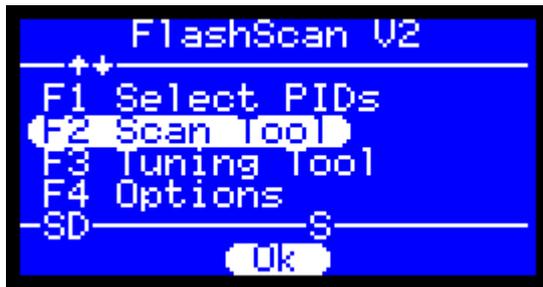


Figure: 12



Figure: 13



Figure: 14



Figure: 15

