



## OBD-II TO DISPLAY LOOM



**The OBD-II To Display Loom is a terminated adapter that joins the main loom provided with MoTeC Track and Race Kits to the standard on-board diagnostics port of many modern vehicles.**

### ► FEATURES

The loom allows use of a selection of channels, this differs from car to car. Some of the common channels received are:

- Engine RPM
- Throttle position (engine)
- Engine temperature
- Manifold Absolute Pressure (MAP)
- Inlet air temperature
- Mass Air Flow (MAF)
- Barometric pressure
- Load point
- Exhaust temperature

### ► COMPATIBILITY

- Used with MoTeC track and race kits and compatible with the appropriate OBD-II configuration template in the relevant Dash Manager software.
- Compatible with most cars manufactured in 2007 or later, and some earlier cars (model specific)

### ► SPECIFICATIONS

- 1.5 m twisted heat-shrunk loom
- 22 g Teflon coated Raychem light weight wire

## ▶ INSTALLATION

The OBD-II To Display Loom plugs directly into the C125 loom, and into the OBD-II connector fitted to most cars manufactured in 2007 or later, and some earlier cars (model specific).

There is no standard location for the OBD-II socket in a road car. The most common place is in the driver's foot well, under the dash. In some instances it is directly accessible, in other cases a covering panel may need to be removed.

### Installation method – if Display/Logger came pre-configured

1. Plug in the Display/Logger, SLM-C (if required), buttons and GPS. **DO NOT connect the OBD-II To Display Loom at this stage.**
  2. Plug the cigarette lighter power adapter into a spare power supply socket. If the vehicle does not have a power supply socket, cut off the adapter, and connect the red wire to a fused 12 V source and the black wire to chassis ground.
  3. Turn the ignition to ON.
  4. Press and hold the red button on the button loom for at least 5 seconds. If correctly configured, "OBD-II" displays on the Display/Logger.
- ⇒ If "OBD-II" does not display, do not plug in the OBD-II ECU To Display Loom. Follow the not pre-configured instructions.
5. The installation should now be complete.

### Installation method – if Display/Logger is NOT pre-configured

1. Plug in the Display/Logger, SLM-C (if required), buttons and GPS. **DO NOT** connect the OBD-II ECU To Display Loom at this stage.
2. Plug the cigarette lighter power adapter into a spare power supply socket. If the vehicle does not have a power supply socket, cut off the adapter, and connect the red wire to a fused 12 V source and the black wire to chassis ground.

3. Connect a laptop to the Display/Logger using the provided Ethernet lead.
  4. Start up the relevant Dash Manager.
  5. Select **Tools > Connection settings** in Dash Manager, then select **Add**.
  6. Select the **Search** button.
  7. Highlight the device displayed in the connected device window, and select the **Select** button.
  8. Select **OK** on the new IP screen.
  9. Select **OK** on the Connection settings screen.
  10. Select **File > New**.
  11. Select the. Select the **[relevant Display/Logger] OBD-II** configuration.
  12. Select **Online > Send Configuration** to put the configuration in the Display/Logger.
  13. Save the file with a new name, such as "my start file".
  14. Choose **Yes** or **OK** to any warnings that display while this new configuration is sent to the Display/Logger.
  15. Press and hold the red button on the button loom for at least 5 seconds. If correctly configured, "OBD-II" displays on the Display/Logger.
- ⇒ If "OBD-II" does not display, do not plug in the OBD-II ECU To Display Loom. Contact your dealer.
16. Plug the 4 pin DTMF connector on the OBD-II ECU To Display Loom into the main loom connector labelled ECU.
  17. Find the car's OBD-II connector, and plug in the mating connector.
  18. Turn the ignition to ON.
  19. The installation should now be complete.