

AiM Sports MXL 2, MXS, and MXG Data Logging Dash Systems

The MXL 2 and MXS / MXG represent a step forward for the popular MXL family. The alarm LEDs are no longer confined to just red. Each LED can now be independently configured to any of 7 different colors for a custom look. Each one can be set to flash or hold steady, and extended alarm condition logic can be used to rule out false alarms. The new 10-stage LED shift lights can also be set to different colors, but they can also be configured for different RPM levels in different gears (to come on sooner in lower gears and later in high gears when acceleration is not as quick). On-board math channels let you tweak your data before it even gets displayed on the dash. Two digital outputs let you control anything from external warning or shift lights to electric fan or pump relays using the same extended logic as the alarm LEDs.

All 3 dashes feature a built-in 3-axis accelerometer, 4 wheel speed channels, and 8 analog input channels (speed and analog sensors all sold separately). The huge 4 GB memory can be downloaded wirelessly via Wi-Fi. Just like the original MXL series, these dashes can be connected to your ECU or expanded using any AiM CAN expansion hub. Unlike the original MXL, these dashes can also connect to a second control module (such as ABS, TPMS, or a gearbox controller) and feature configurable CAN outputs for advanced vehicle control capabilities. Each kit includes the dash unit with the latest GPS08 Module (preconfigured for lap timing and vehicle speed), primary wiring harness with a 37-pin Deutsch connector, and Race Studio 3 software. (Note that some extended functions require the addition of the Auxiliary Wiring Harness, sold separately.)

AiM MXL 2 Data Logging Digital Dash



The **AiM MXL 2** has a brilliant LCD display with an auto-dimming backlight that can be set to either white or red. You can even set the white backlight to turn red when certain channels trigger an alarm! The top of the LCD display retains the easy-to-read scalable RPM bar graph, but the rest of the screen allows for extensive customization. The left side shows any 4 channels you want, and the right side can scroll through up to 8 pages of information, each with up to 4 channels. You can even set up a custom page with a GPS track map. The 7.5" x 4" housing features 6 alarm LEDs and 10 shift light LEDs.

MXL 2 Data Logging Dash, LCD Display Part No. MC-247 \$1,999.00

Note: Access to wheel speed channels, 4 analog channels, and digital outputs requires addition of the Auxiliary Wiring Harness, sold separately below.

AiM MXS and MXG Data Logging Digital Dashes



While the MXL 2 shows you the data you want, the **AiM MXS** and **MXG** show you the data you want, exactly the way you want to see it! The high-resolution full-color TFT display can be configured to show different channels, but it is also designed to be set up with totally different graphics. Choose from 4 screen styles (with more to come) and configure up to 8 different pages of information. You can use the same screen style for all 8 pages, or rotate between the various styles to make it clear which page is which. The 6.5" x 3.8" MXS is perfect for formula cars. The extra-large 9.3" x 5" MXG features two extra alarm LEDs (total of 8). Both dashes have 10 shift light LEDs.

MXS Data Logging Dash, 5" TFT Display (not shown) .. Part No. MC-246 \$2,299.00

MXG Data Logging Dash, 7" TFT Display Part No. MC-248 \$2,599.00

MXL 2 / MXS / MXG Add-On Wiring Harnesses

MXL 2 / MXS / MXG Auxiliary Wiring Harness Part No. MC-249 \$354.99

This add-on harness is required for access to speed channels 1-4, analog channels 5-8, RS232 ECU wiring, and both digital outputs on the MXL 2 and MXS / MXG data logging dashes. 22-pin Deutsch connector. Not compatible with any other dash or data logger.

MXL Pista to MXL 2 / MXS / MXG Conversion Harness .. Part No. MC-251 \$364.99

This special harness makes it easy to upgrade from an MXL Pista dash logger to either an MXL 2 or MXS / MXG. Simply unplug your existing harness from your MXL Pista and plug it into this adapter harness. No rewiring needed!

MXS Strada Street Dashes



The **AiM MXS Strada** street dashes have the same 6.5" x 3.8" full-color TFT display as the MXS data logging dash above, but without the data acquisition capabilities or Wi-Fi connectivity. They are perfect for street or dual-purpose track day cars. Unmatched connectivity allows the MXS Strada to communicate with thousands of OEM and racing ECUs. A CAN input also provides virtually unlimited expansion potential, including SmartyCam, GPS, Lambda controllers, and sensor expansion hubs (each sold separately). A single digital output lets the dash control an external light or a relay to run a fan or electric pump.

Each MXS Strada kit includes the dash, primary wiring harness with 14 pin AMP connector, USB cable, USB adapter cable, and Race Studio 3 software. A 23 pin AMP connector kit is also included for access to RS232 ECU wiring, a second CAN stream, and the digital output. You can use the 23 pin connector to build your own sensor harness if desired.

MXS Strada (standard warning lights):

The six multi-color LED warning lights on the MXS Strada are rectangular, the same as on the MXS data logging dash above. This allows the most extensive customization of the warning lights.

MXS Strada Digital Street Dash Part No. MC-236-Type . \$1,139.00

Specify wiring harness type: OBD-II connector (plugs into the OBD-II diagnostic port on street cars), CAN wires (for hard-wiring to the ECU), or RPM (for cars with no ECU).

MXS Strada Icons (icon-style warning lights):

The six LED warning lights on the MXS Strada Icons are shaped into the familiar ISO-standard dash icons for turn signals, high beams, low beams, low fuel, oil pressure, and water temperature for a factory look.

MXS Strada Icons Digital Street Dash (shown) Part No. MC-237-Type . \$1,139.00

Specify wiring harness type: OBD-II connector (plugs into the OBD-II diagnostic port on street cars), CAN wires (for hard-wiring to the ECU), or RPM (for cars with no ECU).

AiM CAN Expansions and Peripherals (see page 39 for analog and digital sensors)

AiM loggers make extensive use of the CAN communication protocol developed by Bosch. The CAN bus allows everything on the network to work side-by-side, with virtually no limit to the number of units working together. AiM CAN expansions and peripherals are simple plug-and-play. There is no math or special wiring required. Just connect the 5-pin "712" (screw-in) connector and go! All of the latest AiM dashes and data loggers, as well as the previous generation (MXL and EVO4) can use these CAN accessories.

CAN Expansions

4-Port CAN Data Hub for CAN Port, 0.4m cable Part No. MC-329 \$59.99

4-Port CAN Data Hub for CAN Port, 1.5m cable Part No. MC-351 \$59.99

Connects 4 CAN accessories to a single CAN port. Hubs can be connected in series for virtually unlimited expansion potential. All ports are 5-pin "712" (screw-in) type.

4-Port Channel Expansion Hub for CAN Port Part No. MC-331 \$249.99

Connects 4 analog sensors (or 2 digital sensors and 2 analog sensors) to a single CAN port. Input ports are 4-pin "712" (screw-in) type. Requires adapter cables for each sensor.

4-Port TC (Thermocouple) Hub for CAN Port Part No. MC-223 \$249.99

Connects 4 thermocouples to a single CAN port. Input ports are 3-pin "712" (screw-in) type. Requires adapter cables for each thermocouple.

CAN Extension Cable, male 5-pin to female 5-pin Part No. MC-261-Length .. \$39.99

Specify 1 meter, 2 meters, or 3 meters.

CAN Peripherals

GPS08 Module, specify 1.4m or 4m cable Part No. MC-257-Length \$299.99

GPS08 Module, Roof-Mount, 4m cable Part No. MC-258-4.0m... \$299.99

GPS08 is the latest GPS module, able to communicate with both GPS and Glonass satellites. This doubles the number of available satellites for unmatched precision and signal reliability. All electronics are built into the antenna, with no separate box to connect.

LCU-One Lambda Controller with Bosch O2 Sensor Part No. MC-219 \$399.99

Provides air-fuel mixture information, Lambda values and stoichiometric point (configurable for 4-stroke gasoline, diesel, or alternative fuel engines), and oxygen sensor temperature and diagnostics.

MemoryKey for MXL or EVO4 only Part No. MC-315 \$124.99

32MB memory expansion. Unplug it with the engine on or off and it will save the session. Assign one to each driver on your endurance racing team and switch them during driver changes to keep track of what's happening (or for the drivers to compare their techniques). Rotate them while making chassis adjustments on test days and you'll see the effect of changes before the driver can even give you his opinion!

Memory Module for MXL2, MXS/MXG, EVO4S/EVO5 . Part No. MC-720 \$179.99

This memory expansion accepts an SD memory card up to 128 GB (4GB included). Cards can be removed while the engine is running with no loss of data.