# MoTeC
# SMS MODULE



**MoTeC Colour Display Loggers can now display SMS style text messages sent from a mobile phone via our SMS module. The module is wired to the Display Logger via RS232.**
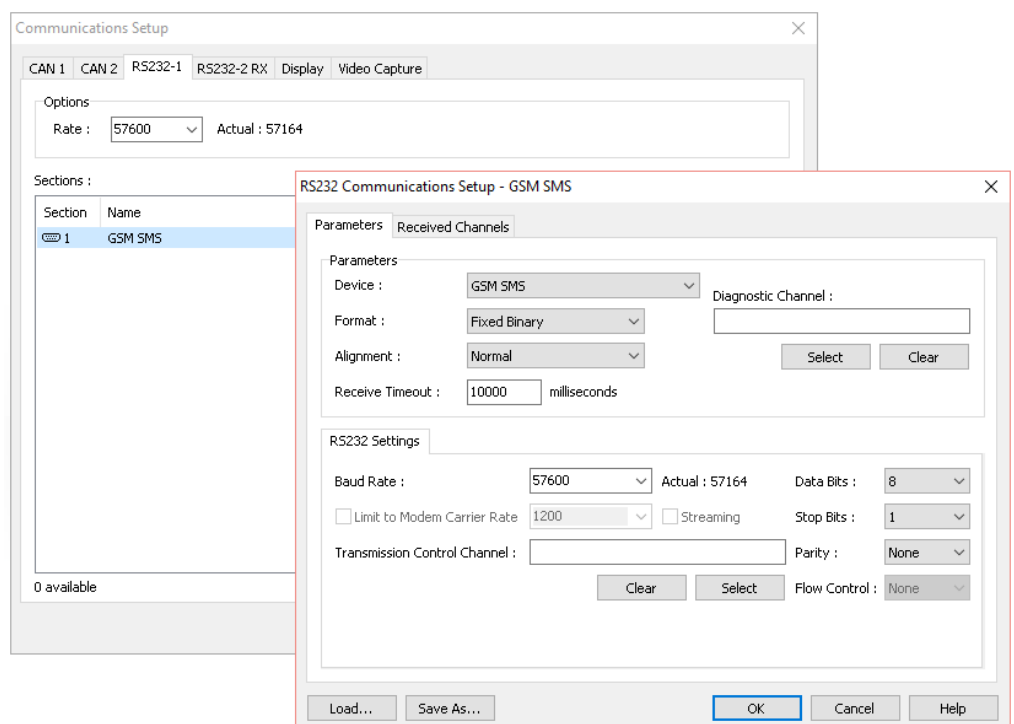
▶ **SPECIFICATIONS**

## Communications
- RS232: 57600 Baud Rate

## Power Supply
- Operating Voltage: DC 4.75V to 32V, 800mA peak

## Operating Temperature
- Internal: -10°C to 75°C

## Physical
- Case Size (mm): 67 x 51.5 x 23.5
- Case Material: Plastic
- Weight: 60.5 g (unit only)
- Standard size SIM card

▶ **COMPATIBILITY**

- MoTeC Display Loggers: C125, C127, C1212, C185, C187, C1812
- MoTeC D153 and D175 via L120 or L180

▶ **DASH MANAGER SETUP**

In Dash Manager go to Connections > Communications.

Choose the RS232 port to which the module is wired.

Click Select, and locate the GSM SMS template from the available options.

Save and Close.

**Note:** The Display Logger requires at least one alarm to be configured for the SMS message to be displayed. If the Display Logger configuration has no alarms defined, it WILL NOT display SMS messages. A specific alarm is not required for the SMS functionality, but there must be at least one alarm set up.
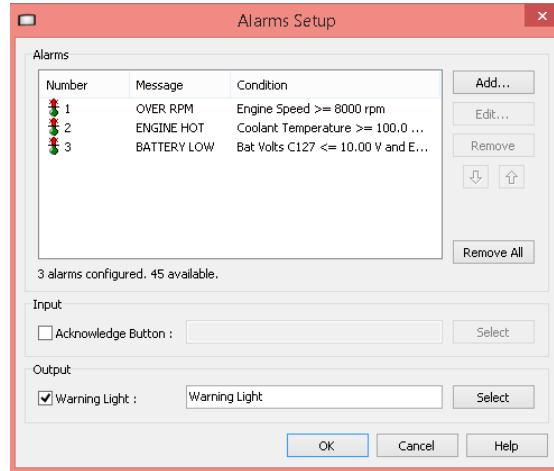


## Message Length

The Display Logger is capable of receiving text messages up of to 20 characters, including spaces. If messages longer than this are sent, any text past the first 20 characters is cut off and will not be displayed.

## Display Creator

No special configuration is required if using Display Creator, but the Alarm Messaging must be set up in the Display Creator configuration.  This is automatically populated when the DBC file is imported from your Dash Configuration. When used with a Display Creator project, the SMS message is displayed in a red bar rather than the blue bar that is standard with the fixed Dash Manager layouts.

## Viewing and Acknowledging Messages

When a text message is received, it will automatically display for 10 seconds. It is then cleared and cannot be viewed again. If the Alarm Acknowledge button is configured, pressing this will clear the text message from the screen.

Once a text message has been displayed, it is deleted from memory on the SMS Module. If multiple text messages have been sent while the Display Logger has been powered off, they will all be displayed, one at a time, for the duration of 10 seconds when it is next powered up.

Text messages will automatically display on screen in a blue message bar when using the supplied fixed layouts. If using Display Creator, the message bar will be red.

## ▶ CONNECTOR AND PINOUT



8 Pin Micro-Fit



DB9 Edge

| 8 Pin Micro-Fit Sierra Pin | Signal | Function | DB9 Female Serial | MoTeC C1812/ C187/ C185/ L180 Connection | MoTeC C1212/ C127/ C125/ L120 Connection |
|---|---|---|---|---|---|
| 1 | RS232-CTS | Main RS232 Clear To Send | 7 | | |
| 2 | RS232- RTS | Main RS232 Request To Send | 8 | | |
| 3 | RS232-RXD | Main RS232 Receive Serial Data | 2 | RS232-RX RS232-1  Pin 79  **or** RS232-2  Pin 16 | RS232-RX RS232-1   Pin 28 |
| 4 | RS232-TXD | Main RS232 Transmit Serial Data | 3 | RS232-TX RS232-1  Pin 70 **or** RS232-2  Pin 15 | RS232-TX RS232-1   Pin 20 |
| 5 | RS232-DTR | | | | |
| 6 | GND | Ground Connection | | | |
| 7 | Vin | Power Supply with a 4.75 ~ 32V DC input | | | |
| 8 | GND RS232 | | 5 | 0 Volt | 0 Volt |

Both the TX and RX wires must be connected to the Display Logger.

**Note:** The RS232-CTS and RS232-RTS pins need to be joined together. To do this, link pins 7 and 8 on the DB9 connector or, if the Dash is connected directly to the 8 pin micro-fit connector, pins 1 and 2 need to be linked.