

## TPMS Hand Programming Unit

The TPMS handset is available for direct reading of sensor parameters such as pressure, temperature and battery voltage. It is required to program or modify the sensor parameters such as the team code and wheel location. It is also a valuable tool for recognising any changes to new sensor positions when swapping wheels and updating the receiver accordingly.



# TPMS Hand Programming Unit

## Key Features:

Read values of Sensors (Temp, Pressure, Voltage, Serial Number)  
Rechargeable with USB cable supplied  
Program replacement or additional sensors

## TPMS CAN System

### The wire colour codes are:

- +12V - Red
- Ground - Black
- CAN+ - Green
- CAN- - White

A handheld Reader / Programmer is available to read each wheel individually.

It reads by proximity, and the CAN receiver uses a radio link to the sensors with the address of each sensor pre-defined as to which wheel it is measuring.

The receiver is pre-coded with four sensors which it will use.



## How to read a sensor on the programming unit

Power the handheld unit on by pressing the power button.

If you require the back light of the display on, then briefly press the “TX” button.

Hold the reader close to the sensor and press the button under where the display says “READ”.

The display will show the sensor ID, the battery voltage of the sensor, the pressure in the bar, and the temperature in Celsius.

Aim Dashes and Loggers require a CAN Protocol, which is available from AiM Technologies to interface with the unit.



## Adding Spare Sets of Wheels

To clone a sensor first, you need to know the sensor ID by reading the programmed one. Write down the sensor ID ... Example 1234AB56.

Exit back to the TPMS screen.

Press the "TX" button and hold it for 3 seconds.

A set of data addresses will appear on the screen. Navigation completed with the "L" and "R" buttons.

The value can be changed using the "U" and "D" buttons. (0123456789ABCDEF)

1. Put in location D1: the value 13H. (this is a fixed value)
2. Then, in location D2: put the first two digits of the address. Example 12H
3. In location D3: put the next two digits of the address. example 34H
4. In location D4: put the next two digits of the address. Example ABH
5. In Location D5: put the last two digits of the address. example 56H
6. In location D6: leave the value 00H. (this is a fixed value)

Press the "TX" button and hold it for 3 seconds. The screen changes to "Reading".

Hold your new sensor close to the handheld unit.

You have now cloned your sensor.

To program another sensor with the same address, press next and put another new sensor near the handheld unit.

To exit, press "EXIT" until you are at the TPMS Screen.

**AIM** | **TECHNOLOGIES**  
GROUP

Unit 8 Riverside  
Campbell Road  
Stoke-On-Trent  
Staffordshire  
United Kingdom  
ST4 4RJ

[AIMSHOP.COM](http://AIMSHOP.COM)

[AIM TECHNOLOGIES.COM](http://AIMTECHNOLOGIES.COM)

Tel: +44 01782 373843

Email: [info@aimtechnologies.com](mailto:info@aimtechnologies.com)