

What you need to make it work

SAE J2534 / J2534-1 & competition fairness

It is sometimes necessary to reprogram ECU's to regulate and repair cars equipped with OBD systems which do not conform to pollution emission values.

Until now the ECU's reprogramming capabilities were integrated in OEM's specific diagnostic tools. A consumer had to rely on the car manufacturers dealership.

Any non franchise dealership would have to invest several thousand pounds in obtaining specialised tools (one per brand!) to be able to perform ECU reprogramming. This factor places the freelance dealership in a non competitive position which ultimately will impact a consumer's freedom of dealership choice.

EPA (Environmental Protection Agency) has ordered for this reason, an SAE to define norms called SAE J2534 and SAE J2534-1. This so called PASS-THRU norm defines technically the protocols of communication which have to be supported by a standard vehicle communication interface in order to enable the flashing of the relevant ECU's for pollution emission.

Take the challenge to success

Several communication protocols used on different brands have to be supported by a PASS-THRU (or Passthrough) device. To meet the challenge of being fully compliant to SAE J2534 and J2534-1, the following protocols have to be supported:

- **K- Line ISO 9141**
- **KWP 2000 ISO 14230-4**
- **SAE J1850 PWM - SAE J1850 VPW**
- **CAN 2.0B ISO 11898 - CAN ISO 15765-4 - SCI SAE J2610**

I+ME has developed for many high reputed OEM's customized vehicle communication interfaces for more than 20 years. That is why they were able to take this challenge and develop a Pass-Thru interface able to meet all these requirements.

Maximised return on minimal investment: The "reasonable price"

SAE J2534 and **SAE J2534-1** not only define the technical requirements to fulfil but also targeted a reasonable price. Their permanent target is to warranty customers high quality to reasonable prices.

PassThru+ XS' meets this requirement and is a cost effective solution to enable its use in the workshop.

Furthermore, because of the validation of PassThru+ XS¹ by several car manufacturers, you get the benefit of the best price with a maximal use.

High capabilities for connecting 1 standard technologies

The PassThru+ XS has two possibilities of connection 1 standard PC or laptop: by RS232 or USB.

All you need to reprogram the ECUs is a PassThru+ Set, a standard PC or laptop equipped with a windows operating system and internet access.

Furthermore, BMW authorises the supply to customers a BMW starter kit, which enables you to reprogram several BMW cars which are not equipped with the OBD plug but with the BMW specific diagnostic plug.



Pass-Thru+ XS

