PassThru+ XS 2G
communication ▶ interface

ACCESS

I+ME ACTIA thanks you for having chosen our product

Hardware

Product includes	IME 3904402

PassThru+ XS2G hardware
Bluetooth head (mounted)
Cable head
OBD-2 cable, 2 m
USB cable
RS232 cable
USB cable type A to type B
Allen wrench

About it

PassThru+ XS	

PassThru+ XS 2G is a communication interface providing data link between a vehicle and a PC, enabling you to communicate with the ECU's according to the J2534, J2534-1 and J2534-2 specifications.

API, Drivers & Software

Product includes	on the Web

PassThru+ XS API (software for Windows 9x, ME, NT, 2000, XP) is available on

www.passthruxs.com

Designed &	manufactured by

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Technical Data

- Processor: XC161 from Infineon
- PC interfaces: RS232 up to 115kBaud
  USB 1.1 & 2.0 full speed
  Bluetooth V 2.0 SPP,
  class 1
- dimension: 165 x 68 x 25 mm
- weight: approx. 220 g
- temp. range: 0 to +55°C
- housing: plastic
- power supply: 7..32 V DC (via Sub- D)
- programming voltage: 1 - 20V

Supported protocols:
- CAN 2.0B ISO 11898, CAN ISO 15765- 4
- SAE J1850 VPW, SAE J1850 PWM
- K- Line ISO 9141 (100mA), ISO 14230- 4 (KWP 2000)
- SAE J 2610 (SCI)

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Installation guide

Please read all safety instructions

‣ Do not use the equipment when the environment temperature is higher than +55°C or less than +/- 0°C.
‣ Voltage via external power supply: 7..32 V DC.
‣ Do not get in contact with fluid.(water, acid, solvent,etc.)
‣ Do not drop the equipment.
‣ Always unplug equipment from electrical power supply when not in use.
‣ To reduce the risk of fire, do not operate equipment in the vicinity of open containers of flammable liquids (gasoline).
‣ Variation and deviation of external voltage outside admissible tolerances can damage the equipment.
‣ For cleaning the equipment from the outside a damp cloth with mild cleaning agent can be used. Do not use solvent.

! Important before starting

Power supply

1. The PassThru+ XS is powered solely via Sub-D from the vehicle. If you use an external power supply for the vehicle or a device under test, make sure that there is a good ground connection between the PC, the vehicle ground and the external device. Otherwise the PassThru+ XS may be damaged.

2. **Attention:**

- Supply Voltage 7..32 V DC

Consumer notice

The I+ME ACTIA product you have purchased is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on waste electrical and electronic equipment (WEEE) and, in jurisdictions adopting that Directive, is marked as being put on the market after August 13, 2005, and should not be disposed of as unsorted municipal waste.
Please utilize our local WEEE collection facilities in the disposition of this product and otherwise observe all applicable requirements.

Start

Software requirements 1.

You need Internet and capable browser such as Explorer, Firefox or other.

Software installation 2.

Go to our Website www.passthruxs.com

Go to the download Area (see menu on the Top) or tip www.passthruxs.com/download.htm

Download the PassThru+ XS API for the workshop.
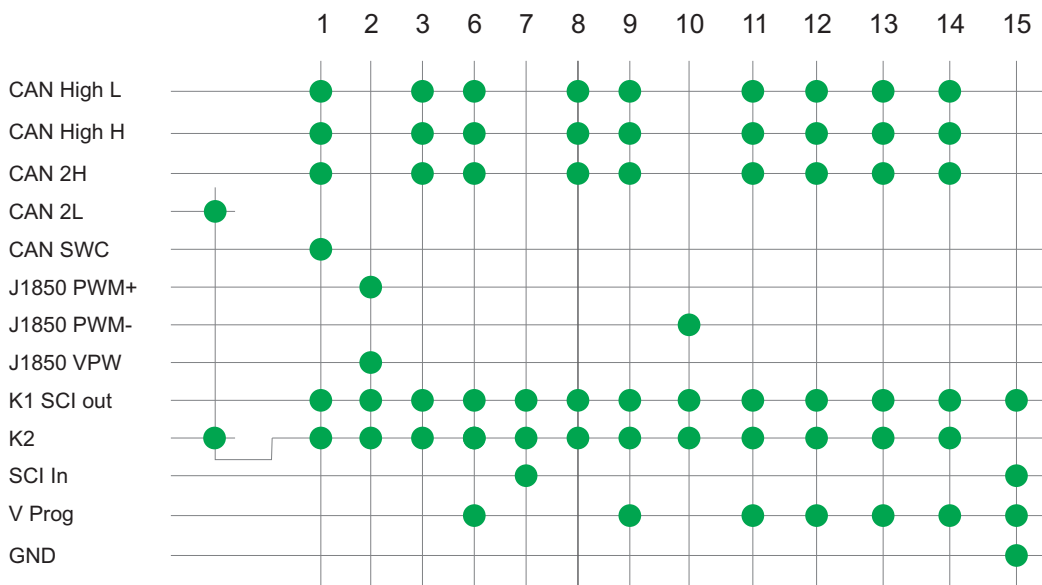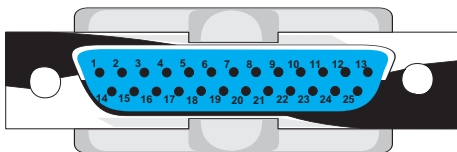
Follow the steps of the installation.

When the PassThru+ XS 2G is used the first time in Bluetooth mode, the Bluetooth connection must be installed on the connected PC or notebook. For this process the PassThru+ XS 2G must be supplied with power. The Bluetooth Device Wizzard will guide through the installation. The passkey is ACTIA.

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Connector

	1	2	3	6	7	8	9	10	11	12	13	14	15
CAN High L	●		●	●		●	●		●	●	●	●	
CAN High H	●		●	●		●	●		●	●	●	●	
CAN 2H	●		●	●		●	●		●	●	●	●	
CAN 2L	●												
CAN SWC	●												
J1850 PWM+		●											
J1850 PWM-								●					
J1850 VPW		●											
K1 SCI out	●	●	●	●	●	●	●	●	●	●	●	●	●
K2	●	●	●	●	●	●	●	●	●	●	●	●	
SCI In					●								●
V Prog				●			●		●		●		●
GND													●

1) J1850 PWM – There is an additional possibility to connect a pair of 330 Ohm pullup to +5V to both PWM lines controlled by software.
2) The VProg can be switched to the marked OBD pins independent of all other settings.
3) Analog Voltage Measurement is possible at OBD pin 16, 15, VProg and each K-Line