

# MSA-Box II

www.bosch-motorsport.com



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Invented for life



- Communication interface for PC-supported calibration on K-line, CAN or Ethernet interface

The MSA-Box II is the low cost unit for PC-supported calibration and configuration on Ethernet, K-Line or CAN interface of an ECU.

The MSA-Box II is coupled to the PC via the USB interface. This ensures a powerful and universal link to all common PCs. The coupling to the ECU is effected via Ethernet, K-Line or CAN-interface of the diagnosis interface.

## Technical Specifications

### Mechanical Data

Size 84 x 38 x 25 mm

Temperature range 0 to 70°C

Compact design

Fully suitable for motor vehicle use

All inputs and outputs to the PC with galvanic separation

### Electrical Data

Input voltage (vehicle side) 8 to 32 V

Power supply through the connection to the ECU from board mains with galvanic separation

Power consumption (powered by USB) Typ. 0.5 W

USB	USB 2.0, high speed (480 MBit/sec)
Ethernet	100 MBit/sec
K-Line	300 Bd up to 320 kBd
CAN	10 kBit/s up to 1 MBit/s
Operating Systems	Windows XP 32 Bit, Vista 32 Bit

### Connectors and Wires

Connector AS 6-12-35PN	F 02U 000 441-01
Mating connector AS 0-12-35SN	F 02U 000 258-01
Pin 1	Terminal 30 (permanent pos)
Pin 2	Terminal 15 (switch pos)
Pin 3	GND
Pin 4	CAN_High
Pin 10	K-Line
Pin 8	RxD+
Pin 9	RxD-
Pin 11	TxD+

Pin 12	TxD-
Pin 16	CAN_Low
Pin 22	SCR
Diagnosis wire length	2 m
USB wire length	0.5 m

**Ordering Information****MSA-Box II**Order number **F 02U V00 327-03****Represented by:**

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