




SEO CANtouch INSTALLER MANUAL

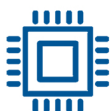
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CAN BUS devices



AVL and GPS/GSM systems



CAR security systems

SEO CANtouch P/N 19xxxxxx (U400) – contactless CAN BUS reader

Contactless CAN BUS reader SEO CANtouch allows **reading of all vehicle's digital transmissions**. It reads not only 1- and 2-wire CAN transmissions, but also UART and many other. Contactless reading does not require insulation of copper wire to be cut. It's just a way of contactless connection, the device does not convert any data from CAN BUS. One SEO CANtouch is capable of reading one CAN BUS only – if SEO CANlog converter needs to be connected to two CANbuses, two SEO CANtouch readers are necessary.

All digital CAN BUS speeds from 33,33 to 500 kb/s and all UART speeds from 4800 to 125000 b/s are readable. SEO CANtouch is the best contactless solution on the market – it does not lose any readable frames. In worst electromagnetic conditions the device is capable of reading 98% of frames. SEO CANtouch is only a reading device, so this solution does not allow all parameters available from CAN BUS to be read, because it does not send any data and requests into CAN BUS.

SEO CANtouch may be powered with 9 ÷ 60 V

To install the device, untwist CAN BUS twisted pair and attach both wires to SEO CANtouch on both sides of PCB – one CAN wire should be placed on one side and the other CAN wire on the other side of PCB. Then strap both wires to the PCB using cable ties. Device will detect CAN L/CAN H polarity automatically but calibration has to be carried out during installation process.

After connecting power supply, the LED should light-up – it means that device is waiting for calibration. Calibration process has to be executed when CAN BUS twisted pair is tightly attached to SEO CANtouch and when the ignition is ON. Press the switch shortly and the LED will start to blink once every second. Automatic calibration process will take up to about 10 seconds depending on vehicle's model. Correct calibration process will be confirmed by LED which will blink once every 2 seconds (when CAN BUS is active). When CAN BUS enters into sleep mode, SEO CANtouch device also goes to sleep mode and consumes 1,6mA@12V. In sleep mode the LED is not active. Connecting previously calibrated device to another CAN BUS requires recalibration for SEO CANtouch to adjust itself to different CAN BUS signal level and data transmission speed.

If LED shines continuously after calibration process, the device did not calibrate successfully – used cables do not have CAN BUS transmission or ignition was not turned on during calibration process.