

OBDLink MX Protocol Commands

Updated December 29, 2011

Command	Description
STP <i>hh</i>	Set protocol to hh
STPR	Report protocol number
STPRS	Report protocol string
STPBR <i>baud</i>	Set OBD protocol baud rate. No error when a baud rate is not supported – will generate closest possible; use STPRBR to check.
STPBRR	Report current OBD protocol baud rate
STCSWM <i>mode</i>	Set SW CAN mode, where <i>mode</i> is 0 - Sleep 1 - High Speed 2 - Wakeup 3 - Normal

ST Protocols Presets

J1850

- 11 - J1850 PWM
- 12 - J1850 VPW

ISO

- 21 - ISO 9141 (no header, no autoinit)
- 22 - ISO 9141-2 (5 baud autoinit)
- 23 - ISO 14230 (no autoinit)
- 24 - ISO 14230 (5 baud autoinit)
- 25 - ISO 14230 (fast autoinit)

Presets without autoinit do not send automatic keep-alives.

High Speed CAN

- 31 - HS CAN (ISO 11898, 11-bit Tx, 500kbps, var DLC)
- 32 - HS CAN (ISO 11898, 29-bit Tx, 500kbps, var DLC)
- 33 - HS CAN (ISO 15765, 11-bit Tx, 500kbps, DLC=8)
- 34 - HS CAN (ISO 15765, 29-bit Tx, 500kbps, DLC=8)
- 35 - HS CAN (ISO 15765, 11-bit Tx, 250kbps, DLC=8)
- 36 - HS CAN (ISO 15765, 29-bit Tx, 250kbps, DLC=8)

- 41 - J1939 (11-bit Tx)
- 42 - J1939 (29-bit Tx)

Medium Speed CAN

- 51 - MS CAN (ISO 11898, 11-bit Tx, 125kbps, var DLC)
- 52 - MS CAN (ISO 11898, 29-bit Tx, 125kbps, var DLC)
- 53 - MS CAN (ISO 15765, 11-bit Tx, 125kbps, DLC=8)
- 54 - MS CAN (ISO 15765, 29-bit Tx, 125kbps, DLC=8)

Single Wire CAN

- 61 - SW CAN (ISO 11898, 11-bit Tx, 33.3kbps, var DLC)
- 62 - SW CAN (ISO 11898, 29-bit Tx, 33.3kbps, var DLC)
- 63 - SW CAN (ISO 15765, 11-bit Tx, 33.3kbps, DLC=8)
- 64 - SW CAN (ISO 15765, 29-bit Tx, 33.3kbps, DLC=8)

Currently, for a given CAN preset, the protocol (ISO 11898, ISO 15765, J1930) and Tx ID size (11/29 bit) are hard-set. Baud rate and DLC can be changed using AT/ST commands. All CAN presets are configured to receive both 11-bit and 29-bit messages.