









 master ▾ **OBD2 / src / main / java / io / github / macfja / obd2 / elm327 / command / Commands.md**

[Go to file](#) 

 **MacFJA** First version Latest commit d52ee6e on Jun 30, 2018 [History](#)

 1 contributor

135 lines (134 sloc) | 9.46 KB

  Raw [Blame](#)   

Commands of ELM327

Code	Implemented	Type	Short description
01	YES	General	Display the device description
02	YES	General	Display the device identifier
03 ccccccccccc	NO	General	Store the device identifier
<CR>	NO	General	Repeat the last command
AL	YES	OBD	Allow Long (>7 byte) messages
AMC	YES	OBD	Display Activity Monitor Count
AMT hh	YES	OBD	Set the Activity Mon Timeout to hh
AR	YES	OBD	Automatic Receive
AT0	YES	OBD	Adaptive Timing Off
AT1	YES	OBD	Adaptive Timing Auto1
AT2	YES	OBD	Adaptive Timing Auto2
BD	YES	OBD	Perform a Buffer Dump
BI	YES	OBD	Bypass the Initialization sequence
BRD hh	YES	General	Try Baud rate Divisor hh
BRT hh	YES	General	Set Baud Rate handshake Timeout
CAF0	YES	CAN	CAN Automatic Formatting Off
CAF1	YES	CAN	CAN Automatic Formatting On
CEA	YES	CAN	Turn off CAN Extended Addressing
CEA hh	YES	CAN	Use CAN Extended Address hh
CER hh	NO	CAN	Set CAN Extended Rx address to hh
CF hh hh hh hh	NO	CAN	Set the ID Filter to hhhhhhhh
CF hhh	NO	CAN	Set the ID Filter to hhh
CFC0	YES	CAN	CAN Flow Control Off
CFC1	YES	CAN	CAN Flow Control On
CM hh hh hh hh	NO	CAN	Set the ID Mask to hhhhhhhh
CM hhh	NO	CAN	Set the ID Mask to hhh
CP hh	NO	CAN	Set CAN Priority (only for 29 bit)
CRA	NO	CAN	Reset CAN Receive Address filters
CRA hhh	NO	CAN	Set CAN Receive Address to hhh
CRA hhhhhhhh	NO	CAN	Set CAN Receive Address to hhhhhhhh
CS	NO	CAN	Show the CAN Status
CSM0	YES	CAN	CAN Silent Mode Off
CSM1	YES	CAN	CAN Silent Mode On
CTM1	NO	CAN	Set Timer Multiplier to 1*
CTM5	NO	CAN	Set Timer Multiplier to 5
CV dddd	YES	Voltage	Calibrate the Voltage to dd.dd volts
CV 0000	YES	Voltage	Restore CV value to factory setting
D	YES	General	Set all to Defaults
D0	YES	CAN	Display of the DLC Off
D1	YES	CAN	Display of the DLC On
DM1	NO	J1939	(J1939) Monitor for DM1 messages
DP	YES	OBD	Describe the current Protocol
DPN	YES	OBD	Describe the Protocol by Number
E0	YES	General	Echo Off
E1	YES	General	Echo On
FC SD [1-5 bytes]	NO	CAN	Flow Control Set Data to [...]
FC SH hh hh hh hh	NO	CAN	Flow Control Set the Header to hhhhhhhh
FC SH hhh	NO	CAN	Flow Control Set the Header to hhh
FC SM h	NO	CAN	Flow Control Set the Mode to h
FE	NO	General	Forget Events
FI	YES	ISO	Perform a Fast Initiation
H0	YES	OBD	Headers Off
H1	YES	OBD	Headers On
I	YES	General	Print the ID
IB 10	YES	ISO	Set the ISO Baud rate to 10400
IB 12	YES	ISO	Set the ISO Baud rate to 12500
IB 15	YES	ISO	Set the ISO Baud rate to 15625
IB 48	YES	ISO	Set the ISO Baud rate to 4800
IB 96	YES	ISO	Set the ISO Baud rate to 9600
IFR H	NO	J1850	IFR value from Header
IFR S	NO	J1850	IFR value from Source
IFR0	NO	J1850	IFRs Off, if not monitoring
IFR1	NO	J1850	IFRs Auto, if not monitoring
IFR2	NO	J1850	IFRs On, if not monitoring
IFR3	NO	J1850	IFRs Off, all the times
IFR4	NO	J1850	IFRs Auto, all the times
IFR5	NO	J1850	IFRs On, all the times
IGN	YES	Other	Read the IgnMon input level Other
IIA hh	NO	ISO	Set the ISO (slow) Init Address to hh
JE	NO	J1939	Use J1939 Elm data format
JHF0	YES	J1939	J1939 Header Formatting Off
JHF1	YES	J1939	J1939 Header Formatting On
JS	NO	J1939	Use J1939 SAE data format
JTM1	NO	J1939	Set the J1939 Timer Multiplier to 1x
JTM5	NO	J1939	Set the J1939 Timer Multiplier to 5x
KW	YES	ISO	Display the Key Words
KW0	YES	ISO	Key Word checking Off
KW1	YES	ISO	Key Word checking On
L0	YES	General	Linefeeds Off
L1	YES	General	Linefeeds On
LP	YES	General	Go to Low Power mode
M0	YES	General	Memory Off
M1	YES	General	Memory On
MA	YES	OBD	Monitor All
MP hhhh	NO	J1939	(J1939) Monitor for PGN hhhh
MP hhhh n	NO	J1939	(J1939) Monitor for PGN hhhh, get n messages
MP hhhhhh	NO	J1939	(J1939) Monitor for PGN hhhhhh
MP hhhhhh n	NO	J1939	(J1939) Monitor for PGN hhhhhh, get n messages
MR hh	NO	OBD	Monitor for Receiver = hh
MT hh	NO	OBD	Monitor for Transmitter = hh
NL	YES	OBD	Normal Length (7 byte) messages
PB xx yy	NO	CAN	Set Protocol B options and baud rate
PC	YES	OBD	Protocol Close
PP FF OFF	YES	PP	All Prog Parameters Off
PP FF ON	YES	PP	All Prog Parameters On
PP xx OFF	YES	PP	Disable Prog Parameter xx
PP xx ON	YES	PP	Enable Prog Parameter xx
PP xx SV yy	YES	PP	For PP xx, Set the Value to yy
PPS	YES	PP	Print a PP Summary
R0	YES	OBD	Responses Off
R1	YES	OBD	Responses On
RA hh	NO	OBD	Set the Receive Address to hh
RD	YES	General	Read the stored Data
RTR	NO	CAN	Send an RTR message
RV	YES	Voltage	Read the Voltage
S0	YES	OBD	Printing of Spaces Off
S1	YES	OBD	Printing of Spaces On
SD hh	YES	General	Store Data byte hh
SH ww xx yy zz	NO	OBD	Set Header
SH xx yy zz	NO	OBD	Set Header
SH yzz	NO	OBD	Set Header
SI	YES	ISO	Perform a Slow Initiation
SP Ah	YES	OBD	Set Protocol to Auto, h and save it
SP h	YES	OBD	Set Protocol to h and save it
SP 00	YES	OBD	Set Protocol to Auto and save it
SR hh	YES	OBD	Set the Receive address to hh
SS	NO	OBD	Set Standard Search order (J1978)
ST hh	YES	OBD	Set Timeout to hh x 4 msec
SW hh	YES	ISO	Set Wakeup interval to hh x 20 msec
SW 00	YES	ISO	Stop sending Wakeup messages
TA hh	NO	OBD	Set Tester Address to hh
TP Ah	YES	OBD	Try Protocol h with Auto search
TP h	YES	OBD	Try Protocol h
V0	YES	CAN	Use of Variable DLC Off
V1	YES	CAN	Use of Variable DLC On
WM [1-6 bytes]	NO	ISO	Set the Wakeup Message
WM xxyyyzzaa	NO	ISO	Set the Wakeup Message to xxyyyzzaa
WM xxyyyzaabb	NO	ISO	Set the Wakeup Message to xxyyyzaabb
WM xxyyyzaabccc	NO	ISO	Set the Wakeup Message to xxyyyzaabccc
WS	YES	General	Warm Start
Z	YES	General	Reset all