SLSS CANAnalyser TCP/IP Command List

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	Command	Parameter	Description	Example call
Sending CAN Data	**SEND_A**	CAN ID – The arbitration ID for the CAN message CAN data bytes – Underscore separated databytes in decimal notation Extended flag [OPTIONAL] – * symbol as indicator for an extended (CAN 2.0B) CAN message Message type extension [OPTIONAL] - The message type specification for CAN FD and bit-rate switched CAN FD messages.	Sends a CAN message to CAN channel A. **Note:** Id and databytes are separated by a single whitespace and the databytes are separated by underscores. If you want to send an extended (CAN 2.0B) CAN message, add the * symbol at the end of the message data bytes. If you want to send a CAN FD messsage add a whitespace separated "%2" and for a bit-rate switched message a "%3" at the end off the message.	SEND_A:123 255_255_255_0# (standard) SEND_A:123 255_255_255_0*# (extended) SEND_A:123 255_255_255_0 %2# (standard FD message) SEND_A:123 255_255_255_0* %2# (extended FD message) SEND_A:123 255_255_255_0* %3# (extended FD message with BRS usage)
	SEND_B	"	Sends a CAN message to CAN channel B.	SEND_B:123 255_255_255_0# (normal) SEND_B:123 255_255_255_0*# (extended) SEND_B:123 255_255_255_0 %2# (standard FD message) SEND_B:123 255_255_255_0* %2# (extended FD message) SEND_B:123 255_255_255_0* %3# (extended FD message with BRS usage)
	SEND_AB	"	Sends a CAN message to both CAN channels.	SEND_AB:123 255_255_255_0# (normal) SEND_AB:123 255_255_255_0*# (extended) SEND_AB:123 255_255_255_0 %2# (standard FD message) SEND_AB:123 255_255_255_0* %2# (extended FD message) SEND_AB:123 255_255_255_0* %3# (extended FD message with BRS usage)
	DBC_SIGNAL	CAN Channel – The CAN channel on which the DBC message is available (A,B,AB) Message name – The case sensitive message name of the DBC message Signal name – The case sensitive signal name of the DBC signal Value – The value (int/float) which should be set for the signal. Send indicator – Indicator whether a message should be sent or only the value set. Use 1 [default] to send or 0 to only set the value.	Changes a DBC message signal value in the "Send DBC Signals" grid and sends the message to the bus. **Note:** The channel must match the channel selected in the "Send DBC signals" grid. All parameters are delimited with "||".	DBC_SIGNAL:A||Vehicle_Messages||Speed||123.45||0# DBC_SIGNAL:A||Vehicle_Messages||TRANS||1||1# DBC_SIGNAL:B||Vehicle_Messages||TRANS||3||1# DBC_SIGNAL:AB||Vehicle_Messages||Revs||34||0# DBC_SIGNAL:AB||Vehicle_Messages||Revs||56||1#
Remote Commands	**CTRL:MUTE_CAN**	TCP/IP port – The port number which should be muted	Mutes forwarding of all CAN messages to the connected TCP/IP port.	CTRL:MUTE_CAN||49836#
	CTRL:UNMUTE_CAN	TCP/IP port – The port number which should be unmuted	Unmutes forwarding of all CAN messages to the connected TCP/IP port.	CTRL:UNMUTE_CAN||49836#
	CTRL:MUTE_A	TCP/IP port – The port number which should be muted	Mutes forwarding of all CAN channel A messages to the connected TCP/IP port. Note: All Remote-Control-Commands are flagged with a leading "CTRL:" and all following parameters are delimited with "||".	CTRL:MUTE_A||49836#
	CTRL:UNMUTE_A	TCP/IP port – The port number which should be unmuted	Unmutes forwarding of CAN channel A messages to the connected TCP/IP port.	CTRL:UNMUTE_A||49836#
	CTRL:MUTE_B	TCP/IP port – The port number which should be muted	Mutes forwarding of CAN channel B messages to the connected TCP/IP port.	CTRL:MUTE_B||49836#
	CTRL:UNMUTE_B	TCP/IP port – The port number which should be unmuted	Unmutes forwarding of CAN channel A messages to the connected TCP/IP port.	CTRL:UNMUTE_B||49836#
	CTRL:SET_SPEED	CAN Channel - The CAN channel on which the speed is to be changed (A,B,AB) CAN Speed - the CAN arbitration speed value	Sets the CAN speed of one or both CAN channels. **Note:** The speed can only be set if there is no dongle connection established!	CTRL:SET_SPEED||A||500# CTRL:SET_SPEED||B||1000# CTRL:SET_SPEED||AB||500#
	CTRL:SET_FD_ACTIVESTATE	CAN Channel - The CAN channel on which the FD usage state is to be changed (A,B,AB) FD Usage - State if FD usage is activated (1) or deactivated (0)	Sets the CAN FD active state for one or both CAN channels. **Note:** The FD usage state can only be set if there is no dongle connection established!	CTRL:SET_FD_ACTIVESTATE||A||1# CTRL:SET_FD_ACTIVESTATE||B||0# CTRL:SET_FD_ACTIVESTATE||AB||1#
	CTRL:SET_FD_MULTIPLICATOR	CAN Channel - The CAN channel on which the FD multiplicator value is to be changed (A,B,AB) Multiplicator value - The baudrate multiplicator value	Sets the CAN FD data rate multiplier for one or both CAN channels. The data field bitrate is then calculated from the arbitration bitrate multiplied by the set multiplier value. **Note:** The FD multiplicator can only be set if there is no dongle connection established!	CTRL:SET_FD_MULTIPLICATOR||A||2# CTRL:SET_FD_MULTIPLICATOR||B||4# CTRL:SET_FD_MULTIPLICATOR||AB||1#
	CTRL:SET_FD_CUSTOMSTATE	CAN Channel - The CAN channel on which the FD custom settings value is to be changed (A,B,AB) FD custom settings usage - State if FD custom settings are activated (1) or deactivated (0)	Sets the CAN FD custom settings usage checkbox for one or both CAN channels. **Note:** The FD custom settings usage state can only be set if there is no dongle connection established!	CTRL:SET_FD_CUSTOMSTATE||A||1# CTRL:SET_FD_CUSTOMSTATE||B||0# CTRL:SET_FD_CUSTOMSTATE||AB||1#
	CTRL:SET_FD_CUSTOMSETTINGS	CAN Channel - The CAN channel on which the FD custom settings value is to be changed (A,B,AB) Clock Frequency - value of the CAN transceiver clock frequency [100, 80, 50, 48, 40, 33.33, 32, 25] PSEG1 (Arbitration) - Phase Segment 1 of arbitration part PSEG2 (Arbitration) - Phase Segment 2 of arbitration part SJW (Arbitration) - Sync Jump Width of arbitration part TDC - Transceiver delay compensation Prescaler (Arbitration) - The prescaler value for the arbitration part Prescaler (Data) - The prescaler value for the data part PSEG1 (Data) - Phase Segment 1 of data part PSEG2 (Data) - Phase Segment 2 of data part SJW (Data) - Sync Jump Width of data part	Sets the CAN FD custom settings for one or both CAN channels **Note:** The FD custom settings can only be set if there is no dongle connection established!	CTRL:SET_FD_CUSTOMSETTINGS||A||80||119||40||40||8||1||1||14||5||5#
	SET_MODE	CAN Channel - The CAN channel on which the CAN bus interaction mode is to be changed (A,B,AB) CAN Bus interaction mode (normal, listen-only, off)	Sets the CAN bus interaction mode for one or both CAN channels. **Note:** The CAN bus interaction mode can only be set if there is no dongle connection established!	CTRL:SET_MODE||A||listen-only# CTRL:SET_MODE||B||off# CTRL:SET_MODE||AB||normal#
	CTRL:SEARCH_MODULE		Automatic search and connect to a CAN dongle which is connected to the USB port. **Note:** The dongle search can only be started if there is no dongle connection established!	CTRL:SEARCH_MODULE#
	CTRL:CONNECT_MODULE	COM port - The COM port to which the Dongle is assigned	Establishing a connection to a specific CAN dongle **Note:** The dongle connection can only be established if a dongle is not already connected!	CTRL:CONNECT_MODULE||COM14#
	CTRL:DISCONNECT_MODULE		Disconnects the dongle from the software.	CTRL:DISCONNECT_MODULE#
	CTRL:SET_RUNSTATE	Runstate - The run state of the program to be set (play, pause, stop)	Sets the current run state of the program (play, pause, stop).	CTRL:SET_RUNSTATE||PLAY# CTRL:SET_RUNSTATE||PAUSE# CTRL:SET_RUNSTATE||STOP#
	CTRL:REC_START		Starts recording of CAN messages in the CAN Logfile Recorder tab.	CTRL:REC_START#
	CTRL:REC_STOP	File save path [OPTIONAL] - Path and file name of the log export. The export is possible as a *.csv or *.rcdf file. File Overwrite Indicator [OPTIONAL]- Sets the file overwrite indicator. A set 0 [default] means that a log file with the same name will be overwritten, whereas a set 1 means that overwriting is prevented by using numeric prefixes (001_filename, 002_filename, etc.) Special Delimiter Character [OPTIONAL] - Defines the special character that is used as a separator for the csv export instead of the localization-specific character.	Stops recording of CAN messages and optionally saves the recorded data to a given file. **Note:** If no parameters are given, the recording is stopped without saving the logged data.	CTRL:REC_STOP# CTRL:REC_STOP||C:\CANData\Savefile.csv# CTRL:REC_STOP||C:\CANData\Savefile.csv||1# CTRL:REC_STOP||C:\CANData\Savefile.csv||1||*#
	CTRL:SET_CHANNEL	CAN Channel - The CAN channel which will be selected in the channel drop-down box (A,B,AB)	Sets which CAN channel configuration is selected in the "Choose CAN Channel" drop-down box.	CTRL:SET_CHANNEL||A# CTRL:SET_CHANNEL||B# CTRL:SET_CHANNEL||AB#

	CTRL:SET_ID_FORMAT	The ID format - Abbreviation for the arbitration ID format (dec, hex, bin)	Sets the notation for the arbitration ID format (binary, decimal, hexadecimal).	CTRL:SET_ID_FORMAT||dec# CTRL:SET_ID_FORMAT||hex# CTRL:SET_ID_FORMAT||bin#
	CTRL:SET_DATA_FORMAT	The data format - Abbreviation for the data format (dec, hex, bin)	Sets the notation for the data format (binary, decimal, hexadecimal).	CTRL:SET_DATA_FORMAT||dec# CTRL:SET_DATA_FORMAT||hexl# CTRL:SET_DATA_FORMAT||bin#
	CTRL:LOAD_PROJECT	File path - The file path of the project file to be loaded	Loading an SLSS CANAnalyser project that is saved under the specified path **Note:** A project can only be loaded if there is no dongle connection established!	CTRL:LOAD_PROJECT||C:\CANData\Savefile.capf#
	CTRL:RESTART_SOFTWARE	TCP/IP start indicator [OPTIONAL] - State if the TCP/IP interface is enabled 1 or disabled 0 (default) after restart	Restarts the SLSS CANAnalyser and optionally sets the active status of the TCP/IP interface after the restart.	CTRL:RESTART_SOFTWARE# CTRL:RESTART_SOFTWARE||0# CTRL:RESTART_SOFTWARE||1#
	CTRL:CLOSE_SOFTWARE		Closes the SLSS CANAnalyser software.	CTRL:CLOSE_SOFTWARE#
Status requests	**CTRL:GET_CONNECTION**		Gets information about the current Dongle connection status.	CTRL:GET_CONNECTION#
	CTRL:GET_RUNSTATE		Gets information about the current program run state (play, record, stop, pause)	CTRL:GET_RUNSTATE#
	CTRL:GET_DBC_SIGNAL	CAN Channel – The CAN channel on which the DBC message is available (A,B) Message name – The case sensitive message name of the DBC message Signal name – The case sensitive signal name of the DBC signal	Get the value of a DBC message / signal row from the incoming DBC data tab **Note:** The channel must match the channel from the "Incoming DBC signals" grid. All parameters are delimited with "||".	CTRL:GET_DBC_SIGNAL:A||Vehicle_Messages||Speed# CTRL:GET_DBC_SIGNAL:A||Vehicle_Messages||TRANS# CTRL:GET_DBC_SIGNAL:B||Vehicle_Messages||TRANS# CTRL:GET_DBC_SIGNAL:A||Vehicle_Messages||Revs# CTRL:GET_DBC_SIGNAL:B||Vehicle_Messages||Revs#