

USB-Link™ 2 Drivers: Release Notes

Version 2.8.0.2 – Release Date: 09/01/2021

Note: Firmware version 0.016230 is included in this release.

Features Added/Improved

- Install 32-bit and 64-bit PC drivers with a single install
- Added RP1210 IOCTL to get LED status
- Improved send message wait and notify mechanism to eliminate out of synch notifies that has potential to cause various issues.
- Improved simultaneous requests of connects and disconnects by adding appropriate serialization mechanism.

Bug Fixes

- Fixed the installer mutex so only one instance of install can be running
- Pass up Request PG for Address Claimed and Address Claimed PGN J1939 messages from the firmware to the PC or Mobile drivers even if no filters are set.
- Transmitted J1939 transport messages are echoed back to other clients as bus messages when CMD 3 is not sent to the firmware.
- When one J1939 client transmits a message, the other clients receive it as a bus message. The other clients do not need echo mode turned on
- When command 3 is issued on a J1939 client, or a raw CAN connection is opened, the firmware stops reassembling messages received messages and offloads the task to the PC drivers. This condition is now handled in the drivers.
- Corrected J1939 Transport Protocol receives not being passed up to client if concurrent raw CAN connection on channel

Version 2.7.0.3 – Release Date: 10/28/2019

Note: Firmware version 0.016212 is included in this release.

Features Added/Improved

- Includes Device Tester 3.2.0.7 with CAN bus statistics support
- Added support for 12-pin Komatsu and 8-pin AMP cables
- Update J1939 PGN filtering to allow Extended Data Page bit to be set for ISO15765 PGNs and future J1939 PGN definitions
- Restrict responses to Request for J1939 Addressed Claimed for clients with duplicate SA/Name combination

Version 2.6.0.27 – Release Date: 02/25/2019

Features Added/Improved

- Improved/enhanced CAN bus statistics support in firmware
- Logging enabled for USB-Link2 and Inline7 installs, as previously done for EDL3
- Added RP1210 connection support for Single Wire CAN
- Added RP1210 connection support for Fault-tolerant CAN

Bugs Fixed

- Addresses issue with multiple RP1210_ClientDisconnect calls from single client resulting in driver hanging
- Corrected driver software mask for CAN4 bus statistics in order to properly handle CAN4 indications
- Corrected J2534 PassThruWriteMsgs failing for specific combinations of connect/transmit flags when connected to ISO15765
- Corrected Detroit Diesel MCM reprogramming failures with ISO15765 protocol
- Corrected intermittent ERR_INVALID_COMMAND result attempting to set ISO15765 flow control
- Corrected RPC support to allow max 128 connections per RP1210C, previously restricted to 64 in code
- Automatic update utility, changed download of install EXE to CommonApplicationData instead of LocalApplicationData path to fix issue with access denied error in agent application

Version 2.6.0.24 – Release Date: 12/12/2018

Note: Firmware version 0.016040 is included in this release.

Features Added/Improved

- Updated to address handling of single-frame high transmit rate on CAN3 bus
- Updated firmware to retry a J1939 transport protocol transmit if an abort is received from the destination ECU
- Updated to generate ISO15765 transmit timeout notification internally if not supported by adapter firmware (N_TIMEOUT_A)

Version 2.6.0.21 – Release Date: 06/28/2018

Note: Firmware version 00.016033 is included in this release.

Features Added/Improved

- Updated firmware to retry a J1939 transport protocol transmit up to 8 times if an abort is received from the destination ECU
- Updated to remove product's ProgramData and user local AppData subfolders during uninstall

Bugs Fixed

- Updated digital signing of the Jungo WinDriver files with Microsoft Hardware Compatibility Lab Certificates to fix an error in Device Manager on Windows 10 64-bit when UEFI boot mode is enabled. This was preventing a USB connection to the VCI.

Version 2.6.0.17 – Release Date: 06/26/2018

Features Added/Improved

- Fixed issue with long messages over Bluetooth connection
- Updated digital signature of WinDriver and device catalog files to latest 2020 certificate
- Echo not received when transmitting a TP message to the global address
- Echo not received when transmitting a destination specific TP message over 255 bytes
- Added a line in the log file, when logging is on, indicating recording stopped because log file size limit is reached
- Fixed auto-connect issue if device is disconnected – without RP1210 client being closed – and new physical connection is made at a different baud rate

Version 2.6.0.6 – Release Date: 04/09/2018

Note: Firmware version 0.016024 is included in this release.

Features Added/Improved

- Fixed an issue with J1939 transport layer when claiming two source addresses (VCI-144)
- Fixed an issue when making two consecutive auto baud connections on CAN 2 when no baud rate is detected

Version 2.6.0.2 – Release Date: 05/31/2017

Features Added/Improved

- Firmware version 0.016019 is included in this release
- Updated firmware to fix issue with USB-Link 2 becoming unresponsive after sitting idle for 30 minutes
- Updated to return correct RP1210 error code on connect
- Updated firmware to support setting and filtering of up to 33 flow controls for ISO15765

Version 2.3.0.0 – Release Date: 07/18/2016

Features Added/Improved

- Added ISO15765 Single Wire Pin Select for J2534
- Added VPW 4x J2534 Support
- Improved RP1210 ioctl GetBusStats
- Improved Windows Bluetooth Connection Time

Bugs Fixed

- Fixed Command 3 is clearing all filters in an ISO15765 connection
- Fixed Update Installer to use .NET 4.6 (modified install to display warning if download fails)

Version 2.2.0.23 – Release Date: Not Released*

**Features and Bug Fixes incorporated into the Version 2.3.0.0 release.*

Features Added/Improved

- Move J1939 Transport Protocol Support to Firmware
- Update DMux32 Test app to show default and connected baud rate and channel

Bugs Fixed

- Users with Webroot Antivirus are experiencing Blue Screens with USBLink2 and INLINE7 installers
- Issue with ISO 15765 SendCommand Receiving ERR_INVALID_COMMAND
- USB-Link 2 Explorer link is not removed from programs menu after uninstalling drivers
- Communication over Wi-Fi is slow on a data bus with light traffic
- Programming with Wi-Fi is slow
- Update Installer to Use .NET Framework 4.6 (.NET 4.5 not supported on Windows 10)
- J1850 VPW bus goes blank after several seconds of high bus usage
- VCI connects to the first available open network
- Unable to change speed limit settings on the Hino VCS controller
- Unable to read DTC and Support Information on Hino VCS
- Device does not recover when it goes out of range connected via Bluetooth

Version 2.2.0.19 – Release Date: 04/18/2016

Features Added/Improved

- Improved Wi-Fi performance
- Improved ISO-15765 flow control and filters
- Improved Volvo Tech Tool connection time

Bugs Fixed

- Minor bug fixes

Version 2.1.0.12 – Release Date: 11/09/2015

Features Added / Improved

- Autobaud J1939-16 searching order New order is 1M, 667K, 500K, 250K, 125K Old order was 250K, 500K, 1M, 667K, 125K

Bugs Fixed

- Corrected Reprogramming MBE engines disconnects from PLD (KW2000)
- Fixed Auto baud support for CAN Channel 3
- Enabled Bluetooth discovery by default
- Fixed issue with Jungo driver install
- Fixed KWP2000 fast init failed when explorer is open
- Fixed intermittent autobaud crash

Version 2.0.1.9 – Release Date 09/11/2015

New Features / Enhancements

- Added support for Wi-Fi connectivity

Firmware Version

- 0.012148