



IMPULSE● Link™ 4.1 Software Revision History

Revision History

Note: It has been discovered that installing the IMPULSE Link 4.1 update on Operating Systems newer than Windows XP may cause the "Program Compatibility Assistant" to appear after the update installation completes. Upon seeing this prompt, please choose "This program installed correctly."

Version 4.1.34: (April 25, 2017):

New Firmware and Maintenance Release

This update adds support for new IMPULSE D+HHP, IMPULSE G+ Mini, and OmniPulse DSD drive firmware. This update also resolves known issues with Impulse Link 4.1.

- **Drive Support:**
 - The following Flash IDs are now supported:
 - D+HHP:*
 - 1018
 - G+ Mini:*
 - 14540
 - OmniPulse DSD:*
 - 409.11
 - Increased upper limits of parameters:
 - #3: Rated Motor RPM: 3000 RPM
 - #13: Absolute max RPM: 5000 RPM
 - #103: Downward starting current: 300%
 - #112: Ultra-Lift Max Speed: 300%
 - Parameter #103, downward starting current is not applied in Travel Mode
 - Updated operator interface greeting: "THIS OMNIPULSE DSD CRANE DRIVE IS READY"
 - Parameter #699 Customer ID has been removed.
- **Updates:**
 - Impulse Link 4.1*
 - V+/VG+ Series 4
 - Parameter U1-03 decimal point is displayed correctly.

Version 4.1.33: (November 6, 2017):

Maintenance Release

This update resolves known issues with Impulse Link 4.1.

- **Updates:**
 - Impulse Link 4.1*
 - V+/VG+ Series 4
 - Parameters C7-19 and C7-21 were fixed for firmware versions 14707, 14800, and 14822.
 - Resolved Issues:
 - The Drive Monitor tool was fixed and identifies Series 4 drives correctly.

Version 4.1.32: (September 22, 2017):

Maintenance Release

This update resolves known issues with Impulse Link 4.1.

- **Updates:**

- *Impulse Link 4.1*

- V+/VG+ Series 4

- The upper limit on H6-01 PG Input was fixed for firmware versions 14705, 14706, 14707, and 14800.

Version 4.1.31: (February 17, 2017):

New Firmware and Maintenance Release

This update adds support for new IMPULSE Series 4 drive firmware and resolves known issues with Impulse Link 4.1.

- **Drive Support:**

- The following Flash ID is now supported:

- *G+/VG+ Series 4*

- 14800

- **Updates:**

- *Impulse Link 4.1*

- Resolved Issues

- Drive plugins for G+/VG+ Series 4 Drives with Flash ID 14705 and Flash ID 14706 are now installed correctly.

Version 4.1.30: (Oct 24, 2016)

New Firmware and Maintenance Release

This update adds support for new IMPULSE Series 4, IMPULSE G+ Mini, and MagnePulse DMC drive firmware. This update also resolves known issues with Impulse Link 4.1.

- **Drive Support:**

- The following Flash IDs are now supported:

- *G+/VG+ Series 4*

- 14707

- *G+ Mini*

- 14515

- *MagnePulse DMC*

- 10.04

- **Updates:**

- *Impulse Link 4.1*

- G+ Mini

- Text corrected for C8-03.

- V+/VG+ Series 4

- Text corrected for B6-08, C12-07, and H5-18.

- Resolved Issues

- Installing on Windows 8 and 10 is now supported.
 - Added Generic Ethernet communication profile to enable communications with all Ethernet option cards.

Version 4.1.29: (Dec 15, 2015)

New Firmware and Maintenance Release

This update adds support for new IMPULSE G+ Mini drive firmware and resolves known issues with Impulse Link 4.1.

- **Drive Support**
 - The following Flash IDs are now supported:
G+ Mini
 - 14514
- **Updates**
Impulse Link 4.1
 - G+ Mini
 - Parameter read, parameter write, drive monitor, drive data logging, and fault reset functionality over Serial and EtherNet/IP has been added for firmware version 14514
 - OmniPulse DSD
 - Parameter 8, Manual Field L/R range set to 0.10-10.00 seconds
 - V+/VG+ Series 4
 - All EtherNet/IP related parameters (F7-17 to F7-42) are now visible in IMPULSE Link 4.1 for all firmware versions
 - All Ethernet option card related monitors (U6-80 to U6-99) are now visible in IMPULSE Link 4.1 for all firmware versions
 - E1-07 to E1-10 are now shown in all VG+ configurations
 - F7-16 correctly displays a decimal point in 14706 firmware
 - MFDO options 0x15 (Slave Ready Out) and 0x16 (Run Slave) are now visible in firmware version 14822
 - MFDI selection, E3 parameter access, and C15-09 selection issues resolved in firmware version 14822
 - Resolved issues with B5-12 to B5-15 being overwritten in all firmware versions
 - Revision number in firmware version 14860 now displays correctly
 - Resolved Issues
 - Minimizing print preview window no longer causes the software to crash

Version 4.1.28: (Jul 28, 2015)

New Firmware and Maintenance Release

- This update adds support for IMPULSE Series 4 drive firmwares. This update also resolves known issues in Impulse Link 4.1.

- **Drive Support**
 - The following Flash IDs are now supported:
G+/VG+ Series 4
 - 14882
- **Updates**
Impulse Link 4.1
 - OmniPulse DDC
 - Added parameter G25 options, "5:Brake Stand" and "6:Travel Limit" to 322 firmware

- G+/VG+ Series 4
 - Updated plugins to display correct fault text
 - Corrected C15-06 default value in Static Stepless Simulation firmware

Version 4.1.27: (Apr 15, 2015)

Maintenance Release

- This update adds support for the OmniPulse DDC and the Series 4 drives. This update also resolves known issues in Impulse Link 4.1 and WDS Configurator.

- **Drive Support**

- The following Flash IDs are now supported:

G+/VG+ Series 4

- 14706
- 14822
- 14842

OmniPulse DDC

- 322

- **Bug Fixes**

Impulse Link 4.1

- G+/VG+ Series 4
 - Reading and writing using the EtherNet/IP option card can now be performed on all Series 4 Flash IDs
 - Current output monitors are now scaled correctly
 - H01-0x = 68 is now visible in Flux Vector mode
 - Various parameter defaults, formatting, and text values have been corrected
 - C8-20, C15-27, C8-21 have been added to the proper Flash IDs
 - Alarm and Fault values and descriptions match what is shown in the manuals
 - Model information for 4450 has been corrected
- OmniPulse DDC
 - All parameters are being correctly read for Flash IDs 3.20 and 3.21
- DataLogger & Monitoring
 - Series 4 drives will appear correctly when using the DataLogger feature
 - Corrected issue with restoring connection after a timeout occurs when using the Monitor feature
 - Solved issue when features show "Unsupported" and "Unable to Format" statuses
 - Corrected time formatting for DataLogger events
- Communications
 - Allowable timeouts have been increased for Ethernet communications

WDS Configurator

- Software now configures WDS base units with Flow Control set to "None"

Version 4.1.26: (Oct 10, 2013)

Maintenance Release

- This update adds support for the D+HHP, G+ Mini, MagnePulse DMC, OmniPulse DDC, and Series 4 drives. This update also resolves known issues in Impulse Link 4.1 and WDS Configurator.

- **Drive Support**

- The following Flash IDs are now supported:

- D+HHP*

- 1015

- G+ Mini*

- 14513

- G+/VG+ Series 4*

- 14705
 - 14821
 - 14841
 - 14881

- MagnePulse DMC*

- 1003

- OmniPulse DDC*

- 321

- **Bug Fixes**

- Impulse Link 4.1*

- G+/VG+ Series 4

- Firmware versions 14760, 14820, 14840, 14880 parameter files can now only be created when VG+ Series 4 is the selected Drive Type

- Communications

- Updated TCP/IP to Serial Connection communication profile to be used with the ConnectPort X2 modem
 - Increased timeout for WDS systems using the ConnectPort X2 modem to accommodate slow network speeds

- Documentation

- The User Manual has been updated to accommodate communication profile setup for WDS systems using the ConnectPort X2
 - The Impulse Link Help file now contains Drive Fault Reference codes for the G+/VG+ Series 4

- WDS Configurator*

- Software now configures the ConnectPort X2 modems with the correct Flow Control setting (Hardware)

Version 4.1.25: (May 6, 2013)

Maintenance Release and New Feature Release

- This update improves communications with WDS systems and resolves known issues with multiple features in Impulse Link 4.1. It also adds new features to WDS Configurator (1.0.10.5).

- **Manual Updates**

- The following manuals have been updated:

- Impulse Link 4.1 WDS (March 2013, R7)
 - WDS Configurator (April 2013, R2)

- **New Features**

- *WDS Configurator*

- User may now select which Network Interface Card that will be used for communications
 - Software can now discover:
 - XPort 2/3/4 modems
 - SI-EN3/EM3/EP3 Option Cards
 - ConnectPort X2D/TS4W modems
 - Software can now configure ConnectPort X2D modems for WDS communications

- **Bug Fixes**

- *Impulse Link 4.1*

- G+/VG+ Series 4
 - EtherNet/IP (SI-EN3) Option Card now reads B02-03 correctly
 - Accepts a Product Code of "0" for the SI-EN3
 - DataLogger and Monitor can now reset faults
 - U1-09 Torque reading is now correct in DataLogger and Monitor
 - Corrected selections for D10-02 and F1-21
 - G+/VG+ Series 3
 - DataLogger and Monitor can now reset faults
 - Communications
 - Increased buffers to reduce chance of parameter read failure
 - Increased timeout for WDS systems to accommodate for networks that may be experiencing slow speeds
 - Updated connection retry algorithms to increase probability of a successful reconnection
 - Repaired the fault reset in DataLogger and Monitor functions when using WDS wireless communications
 - Reduced processor usage during DataLogger and Monitor sessions

- *WDS Configurator*

- The selected modem's MAC and IP addresses are now carried from tab to tab for easy use
 - Added IP address textbox in 'Modem' tab for easy reference
 - Updated IP address textboxes to show all four octets when using custom DPI settings

Version 4.1.24: (Dec 14, 2012)

Maintenance Release

- This update adds support for new Series 4 drives, and resolves issues when handling Series 4 drives.

- **Drive Support**

- The following Flash IDs are now supported:

- *G+/VG+ Series 4*

- 14750
 - 14760
 - 14770

- **Bug fixes**

- G+/VG+ Series 4*

- Updated DataLogger and Monitor to allow for Resetting Series 4 drives.
 - Writing A1-04 occasionally failed.

- G+ Mini*

- L8-44 Default was wrong.
 - C8-32 added.
 - Revision monitor is now visible.

Version 4.1.23: (Oct 12, 2012)

Maintenance Release

- This update adds support for new Series 4 drives, and resolves issues when handling Series 4 drives.

- **Drive Support**

- The following Flash ID is now supported:

- G+/VG+ Series 4*

- 14704
 - 14840
 - 14880

- MagnePulse DMC*

- 1002

- **Bug fixes**

- G+/VG+ Series 4*

- Resolved issue with E1 parameters not holding their value.
 - Resolved rounding issue in V/f parameters.
 - Resolved E1-08 and E1-10 voltages not getting scaled in 400 and 600 V Drives.
 - Resolved ranges of C3-01 and C3-04.
 - Updated C9 group visibility based on C9-01.
 - Removed ability to change L5-01 (Test Mode). Writing to a drive in test mode will result in CE303 error.
 - Resolved an issue where changing D10-02 wouldn't change it's dependent parameters.
 - Added C9-01 = 5 (serial) to match drive.
 - Minor tweaks to text strings to match drive.
 - Resolved C8-14 not getting calculated properly.
 - Resolved L3-02, L3-06, N3-02, N9-22, & N9-23 not getting read properly.
 - Resolved L8-39 default wrong on some inverter sizes.
 - Removed B6-02 dependency on O2-04, only dependent on Ctrl Mode.

- G+ Mini*

- Updated L8-12 default to match drive.

Version 4.1.22: (March 26, 2012)

Maintenance Release

- This release adds support for new G+/VG+ Series 4 Firmware

- **Drive Support**

- The following Flash ID is now supported:

G+/VG+ Series 4

- 14703
- 14820
- 14860

Version 4.1.21: (February 17, 2012)

Maintenance Release

- The release resolves issues with the IMPULSE G+/VG+ Series 4 plugin

- **Bug Fixes**

- Series 4 14702

- Added H1-14
- Fixed Text on O2-04 = 0x6D, 0x6E, 0x73, 0x74
- Fixed O2-04 permissions
- Fixed B1 and B5 group
- Fixed B6-02 Default
- Fixed E2-11 Default when O2-04 = 0x75
- Fixed L8-55 Default
- Fixed C13-01 & C13-02 access
- Fixed issue preventing upload to drive
- Fixed issue that resulted in some parameters not saving
- Fixed issue where write would fail if there was any fault
- Fixed Speed Ref write resetting E1-04