

drivesConnect

DE1, DC1, DB1, DA, Rapid Link 5

Release Note for drivesConnect



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Subject to alteration.

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1 V1.3.0.0 Change Notification - 20.12.2019

Existing Version 1.2.3.0
New Version 1.3.0.0, starting 20.12.2019

Management Summary

We updated the drivesConnect software to add Rapid Link and cyber security improvements. The use of existing parameter sets can generally be continued. The following updates will improve handling and functionality of the configuration software.

1. Support inbuilt Bluetooth Low Energy (BLE) connection:

In this new release, drivesConnect will support communication with the DX-COM-STICK3 by inbuilt BLE, this function is only available on Windows 10 and version 1709 or later. Previous Windows versions will still require use of the Bluetooth Dongle, as contained in the DXCOM-STICK3-KIT.

2. Communication setup window:

In this new release, drivesConnect will show a dedicate window for communication setup, this will help the user to go through the setup more clearly.

3. Stop firmware downgrading feature for S6 DA1 platform:

In this new release, drivesConnect will prevent user downgrading of drive firmware to any less than v2.40 if drive firmware is v2.40 or higher on S6 DA1.

4. Show comport naming in more friendly name format:

- a. In current release, drivesConnect will only show Comport number in comport list.
- b. In this new release, drivesConnect will show a user friendly comport name as well, at the same time, drivesConnect will check which ports are for serial link and which are for Bluetooth.

5. Do not show message “No Parameter Set”:

- a. In current release, drivesConnect will show warning message “No parameter set” if any of DA1, DC1 or DE1 parameter is not valid in the DX-COM-STICK3 module.
- b. In this new release, drivesConnect will only show this message when none of the parameters set is valid.

6. Unclear warning message when no content is in the PLC saved file:

- a. In current release, drivesConnect will show the message ”Version number is mismatched”.

- b. In this new release, drivesConnect will show clear message to notify customer that no valid content is in the PLC file.
7. Allow change of parameter value for Autotune:

In this new release, drivesConnect will allow user to autotune drive in parameter connected mode. drivesConnect will display a pop up warning message to remind user of the potential safety issue. (This function will be enabled by corresponding drive ddfs file).
8. Disable the mode switching in parameter editor connected mode
 - a. In current version, drivesConnect allows user to switch to other tools such as Monitor, Scope Tools.
 - b. In this new release, drivesConnect will disable the mode switching.
9. Allow drivesConnect to search for firmware files with lower version number during firmware update (Auto mode):
 - a. In current release, drivesConnect will search for firmware with same version number or higher version.
 - b. In this new release, drivesConnect will search the maximum available version, this maximum version number can be smaller than current drive version number, but the first digit must be same, such as drive firmware is v2.30, the firmware file version number must be v2.00 or higher.
10. drivesConnect allows user to scan BLE network when there is no dongle connection, this causes a crash at relaunch:

In this new release, drivesConnect will have a fix for this issue.
11. No communication after switching operation mode from Monitor, Scope Tools back to Parameter Editor:

In this new release, drivesConnect will have a fix for this issue.
12. Removal of support for Windows XP users New version of drivesConnect does not support Windows XP platform Changed .Net frameworks for new windows versions prevents further support for Windows XP Windows Vista to Windows 10 versions now use .NET framework v4.5.
13. drivesConnect can preview printing documents in new version.
14. PLC programming bug fix:

Fixed crashing issue if user inputs a sequence number above INT32 max value (PLC).
15. Changed colour of frame surrounding PLC editing screen for better definition/clarity of screen boundaries.
16. drivesConnect now has pairing interface for BLE within drivesConnect itself:

drivesConnect can read Pairing key via NFC, for recovery purposes.
17. NFC Horsepower bug is now fixed:

Previously when reading back a HP rated drive it would appear in drivesConnect with a kW rating.

18. Fixed for bug where default drive isn't the latest ddfs and drivesConnect crashes when trying to load it.
19. Improved bluegiga module connection and comms:
 - General improves for stability and improved connection success rate, with improved error messaging if an issue does occur.
20. Disconnect now hides second scope trace when not assigned/not in use (saves CPU usage).
21. drivesConnect now creates a desktop icon on install.
22. drivesConnect can now upgrade DX-COM-STICK3 firmware without a service license.
23. After drivesConnect application software has been updated, it will now also download new ddfs and firmware files automatically.
24. Ethernet module firmware upgrade is now supported by drivesConnect with its own upgrade wizard.
25. drivesConnect can now remotely unlock DX-COM-STICK3 (if running latest firmware and is paired).
26. Selection of DX-COM-STICK3 firmware files are now done at the beginning of programming, rather than when needed to ensure all necessary files are available.
27. Updated upgrade information message box to show more information about DX-COM-STICK3 APP firmware.
28. Fixed bug in clone drive function where parameters from DC1 drives were not saving to file.
29. Fixed bug where typing '-' into scope manual time scaling that caused drivesConnect to crash.
30. Drive firmware update now checks DX-COM-STICK3 status (if connected).
31. drivesConnect now checks DX-COM-STICK3 status before allowing users to download PLC program into the DX-COM-STICK3.
32. Added DX-COM-STICK3 Erase function to drivesConnect.
33. drivesConnect now shows DX-COM-STICK3 release notes on new firmware upgrade popup.
34. Disabled NFC write function:
 - The function to allow drivesConnect to write over NFC (when an NFC device is connected to the PC) has been removed due to bugs and instability issues. This will be possible via the mobile app only until the next release.
35. Enabled service menu for Eaton drivesConnect (requires service license to be active).
36. Enabled Ethernet support Introduction for Rapid Link. Allows drivesConnect to connect to the Rapid Link unit if the unit has Ethernet functionality/connection available.
37. Transition to RSA 2048 key length support for file encryption.
38. Added usage notification: Unauthorized usage of the system is prohibited.

39. New drivesConnect Application is now signed with certificate.

2 V1.3.0.1 Change Notification - 02.03.2020

Existing Version 1.3.0.0
New Version 1.3.0.1, starting 02.03.2020

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

1. Fixed branded OTS issue getting stick firmware from server
2. Fixed upgrading stick smarts which have had their app updated but not bootloader (updated via phone app).
3. Added confirmation of firewall updated.
4. Added warning message when user upgrades firmware.
5. Fixed popup issue when upgrading ethernet module firmware.
6. Disabled Drives firmware upgrades via Bluetooth until further notice.

3 V1.4.0.0 Change Notification - 15.07.2020

Existing Version 1.3.0.1
New Version 1.4.0.0, starting 15.07.2020

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

1. Added firmware version to parameter print out
2. Added COM-STICK smart settings popup, includes:
 - a. COM-STICK firmware versions
 - b. COM-STICK supported features
 - c. COM-STICK name change
 - d. Serial number (if available)
 - e. Set pin code (moved from main screen)
 - f. Erase pin code (moved from main screen)
 - g. Note: Screen will show different options depending on COM-STICK version
2. Fixed bug which stopped users from defaulting offline drives
3. Added better support for touch screens (can now scroll using touch)
4. Fixed NFS write, re-enabled
 - a. Now correctly writes parameter & PLC data to COM-STICK
 - b. Now writes user defaults correctly
5. Reenabled drive firmware update via DX-COM-STICK2
6. Added more meaningful error messages for drive firmware update and real time parameter edit
7. Now correctly selects network cards MAC address and IP address
8. Ethernet module support improvements
9. Now forces BLE disconnect before allowing user to change comms interface
10. Changed firmware upgrade warning popup dialog box
11. Fixed issue where English was being shown when language should have been German
12. Fixed issues where user types non numeric value into PLC constant field
13. Will now add leading zeros to user's PIN code if the user has entered four or more digits when trying to connect to COM-STICK (note: this will only be supported when the user is connecting to COM-STICK, NOT when changing the PIN)

14. Added missing German translations
15. Now asks user if they are sure they want to delete a PLC sheet that has data on it
16. Fixed crashing issue when COM-STICK is read, but then the user wants to read from drive
17. Fixed COM-STICK visibility for DC1 drives

4 V1.4.0.1 Change Notification - 02.12.2020

Existing Version 1.4.0.0
New Version 1.4.0.1, starting December 2020

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

1. Fixed crashing issue where scanning for drives, then reading from DX-COM-STICK3, then reading directly from drive whilst having the DX-COM-STICK3 selected would crash OTS
2. Fixed crashing issue where changing DX-COM-STICK3 name when not connected via bluegiga
3. Re-enabled drive firmware update via DX-COM-STICK3
4. Update license agreement in English & German
5. Fixed issue when updating Ethernet module with manually selected IP address, the upgrade wizard forgets module information
6. Ethernet module support improvements
 - a. Now supports new Ethernet disables states for Cyber Security with correct error messages
 - b. Added cross subnet discovery for Ethernet
 - c. Added hyper link in Ethernet discovery user control to open webpage (if supported and on same subnet)
 - d. Will request firewall permissions request when scanning for the first time after install
 - e. Now tells user firewall configuration will request permissions three times

5 V1.4.0.2 Change Notification - 20.01.2021

Existing Version 1.4.0.1
New Version 1.4.0.2, 20.01.2021

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

1. Fixed issue where DE1 variable speed starter settings were not allowed to be transferred to DX-COM-STICK

6 V1.4.0.3 Change Notification - 23.03.2021

Existing Version 1.4.0.2
New Version 1.4.0.3, 23.03.2021

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

1. Improved DX-COM-STICK3 communications when programming via RS485
2. Fixed issue where some ratings were not shown if there were multiple (German only)
3. Fixed issue where compiled PLC programs could only be sent to drives on Address 1

7 V1.5.0.0 Change Notification - 09.11.2021

Existing Version 1.4.0.3
New Version 1.5.0.0, 09.11.2021

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

- Changes / improvements

1. Added function to update Bluetooth Chip firmware
 - Increased APP transfer limit (should be quicker to update)
 - Will now alert user if BLE chip is non-recoverable
 - Updating the BLE chip will require the user to unpair before connecting again.
2. Improved DX-NET-COMSTICK3 communications when programming via RS485
3. Now checks for corrupt bootloader data in drives and options.
 - Will now alert user if device is corrupt
4. Changing BLE pin code improvements
5. Added USB to RS485 adapter driver installer with silent install
6. Improved Bluegiga driver installation, now using installer with silent install
7. NFC drivers will now install quietly (without setup wizard popup)
8. Bluegiga module will now remember pin codes
9. OTS will now detect when Bluetooth Low energy connections are lost **this can take between 5 and 10 seconds to detect and will only show the Bluetooth connection is lost (with a pop up) when the user tries to do an action requiring BLE**
10. Clone checkboxes will now toggle when pressing label

- Further Changes / improvements

1. Added password box to ethernet firmware update
2. Added save and clear user defaults for Rapid Link drive

- Bug fixes

1. Fixed issue where some ratings were not shown if there were multiple
2. Fixed switching drives in real time mode when drive parameter set had not already been read causing the connected drive to not be in real time edit mode
3. Improved DX-COM-STICK3 communications when programming via RS485

8 V1.5.0.1 Change Notification - 16.02.2022

Existing Version 1.5.0.0
New Version 1.5.0.1, 16.02.2022

Management Summary

We updated the drivesConnect software. The following updates will improve handling and functionality of the configuration software.

- Added support for new DX-COM-STICK firmware remote unlock logic change

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