



RELEASE GUIDE

DESIGN CENTER 4.1.1

- DESIGN CENTER 4.1 UPDATE

QzHUB LOCAL MODE

RS232 DMX GATEWAY

TABLE *of* CONTENTS



HOW TO

SECTION 1: Updating Firmware On IC-II Controllers	< 3
SECTION 2: Setting Up Controller Security Access	< 6
SECTION 3: Resetting the Controller Password Through the Controller	< 8
SECTION 4: Reverting Firmware From 4.0.0.X to Previous Versions	< 10
Errata	< 12



APPENDIX

Design Center 4.1.1.X Release Notes	< 13
Design Center 4.1.0 Patch One Notes	< 14
Design Center 4.1.1 Patch Two Notes	< 15
RS232 DMX Gateway Release Notes	< 17



HARDWARE

RS232 DMX Gateway	< 18
QMotion QZHub 3	< 19

CURRENT SOFTWARE

Design Center	4.1.1
InFusion Controller	4.0.4.9
Equinox App	1.5.5.3
Updated On	3.1.2021



SECTION ONE | Updating Firmware On IC-II Controllers



UPDATING FIRMWARE ON IC-II CONTROLLERS

Updating Firmware On the Controller to 4.1.1.X

These steps provide information on updating your controller's firmware with Design Center 4.1.1.X.

IMPORTANT!

1. IMPORTANT! This update must be performed locally, not remotely. Before you begin, please write down the controller #01 serial number located on the product box label, or on the back of the controller.

File Conversion Required

The selected file was created in a previous version of Design Center and must be converted. Once converted and saved, it will no longer open in earlier versions of Design Center.

Convert

Cancel

2. If you are working with a DC Project file that was made in Design Center 4.0, please proceed to step 3. If you are updating a project that was made in an older version of Design Center, please do the following first: From within Design Center 4.0, open your existing project. A "File Conversion Required" message will appear. Select **Convert**, then immediately after the file has converted, do a **Save As** and use a new file name so you avoid saving over your original file.

VANTAGE | Design Center

Version 4.0.0

3. Make sure that you are using Design Center 4.1.1.X and verify the IP address of your InFusion Controller. Open the Connection, IP Address field and enter in the IP address of your controller. You can also use the pull down field to find and select your controller by IP address.

Missing Serial Number

Please enter the serial number that corresponds to IC-II 1:

OK

Cancel

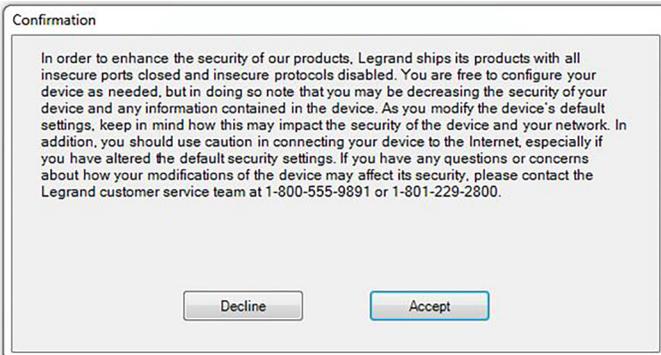
0

4. Go to **System: Update Firmware** and select **Update Controller Firmware**. You will receive a **Missing Serial Number** window. Enter in the serial number of your InFusion Controller and select **OK**.

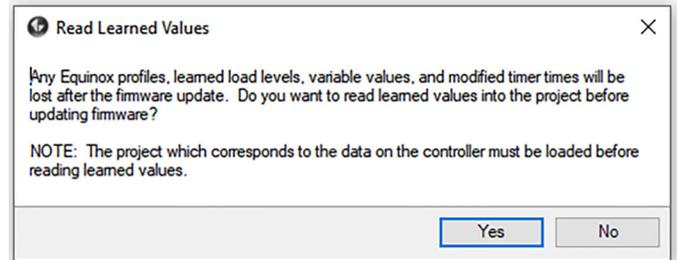


SECTION ONE | Updating Firmware On IC-II Controllers

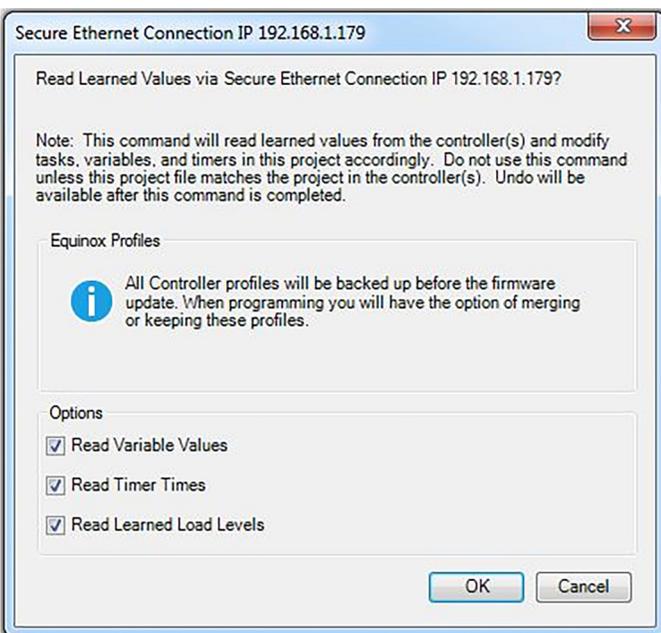
(continued)



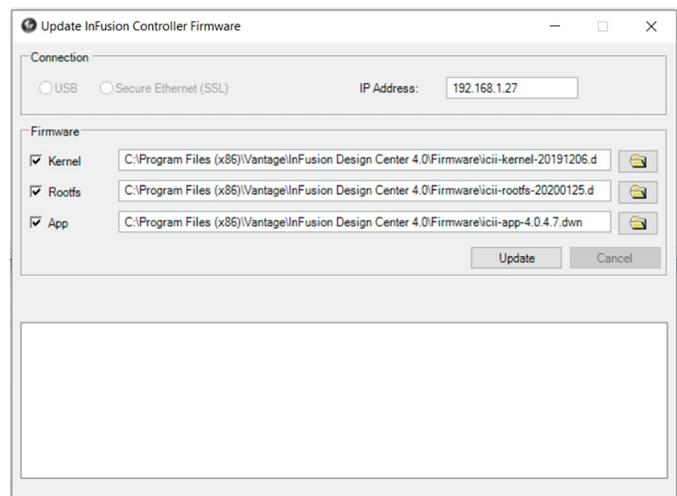
5. A confirmation window will appear. Please review the EULA and select **Decline** to end the update process or **Accept** to continue with the firmware update.



6. Next, the **Read Learned Levels** window will appear. If you are upgrading an existing site and need to retain Equinox profiles, learned load levels, etc., select the **Yes** box. If this is a new site and you do not need to retain Equinox profiles, learned load levels, etc., select **No** to proceed.



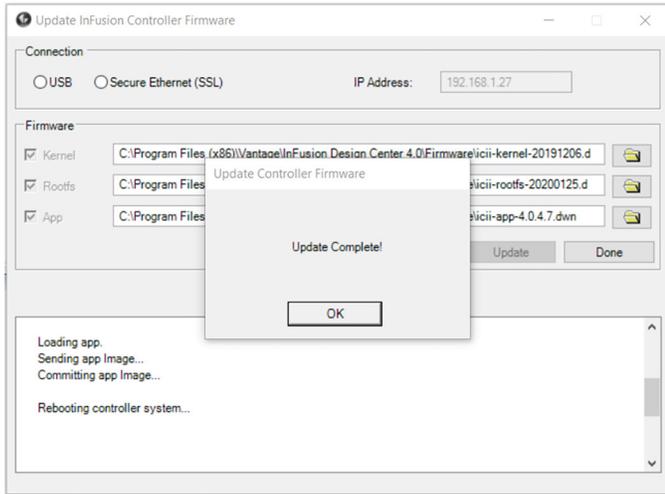
7. You will see a yellow Vantage icon in the upper menu as Design Center is connected to the InFusion Controller. If you selected Yes from the previous step, the **Secure Ethernet Connection** window will appear. Select the options that you would like to retain while updating the controller firmware. Select **OK** to proceed.



8. Inside the **Update InFusion Controller Firmware** window, check the boxes next to the Kernel, Rootfs, and App so that each of these will all be updated together. This is required when moving to Design Center 4.0 from any previous versions. Select **Update** to continue. All controllers in a system will be updated during this process. You do not need to connect to each controller separately.



SECTION ONE | Updating Firmware On IC-II Controllers (continued)



9. After this process is complete, User Access Management will now be enabled on the controller. Select **OK** on the **Update Complete!** box. Using the front LCD on the InFusion Controller, verify that the firmware version has updated.



SECTION TWO | Setting Up Controller Security Access

IMPORTANT!

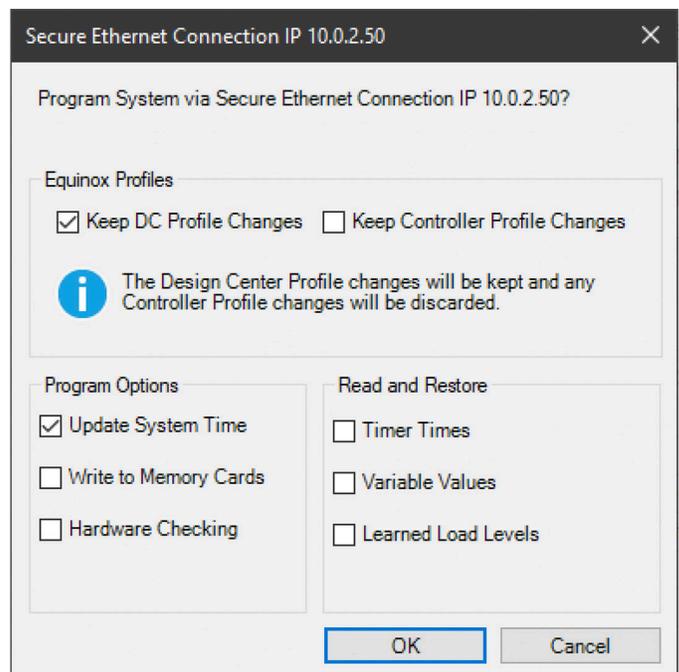
1. IMPORTANT! If this is the first time you are programming your Design Center 4.0 project file to a controller, please complete steps 2-6. If you are replacing a controller on an existing 4.0 system, or have re-loaded the 4.0 firmware to the controller, open your project file, go to Controller #1 in Bus View, and change the serial number to "0". On the Toolbar, go to **Settings > Project Preferences > Rebuild Project Tasks**, then save the file. Now you may complete steps 2-6. *If the replacement controller is already setup with 4.0 firmware and credentials, please see Section Four to first reset the password.*



2. From Design Center, make sure the controller IP address is correct in the IP Address setting found in the Connection toolbar menu. Then click the copper Vantage icon on the toolbar to start the connection process. A Controller Security window will appear. The default username is "administrator" and the default password is the controller serial number. Check the **Show Password Characters** to verify your serial number. Select **Change Password** to move to the next step in the update process.



3. Create a new password in the **Update Default Password** dialog box. Verify the accuracy by checking the **Show Password Characters**, then click **OK**.



4. Next you will need to program the InFusion Controller and create a new password. Select the **Program Icon** (F5). In the next window select the Equinox, Program, and Read and Restore options you would like to retain. Next, select **OK** to program the InFusion Controller.

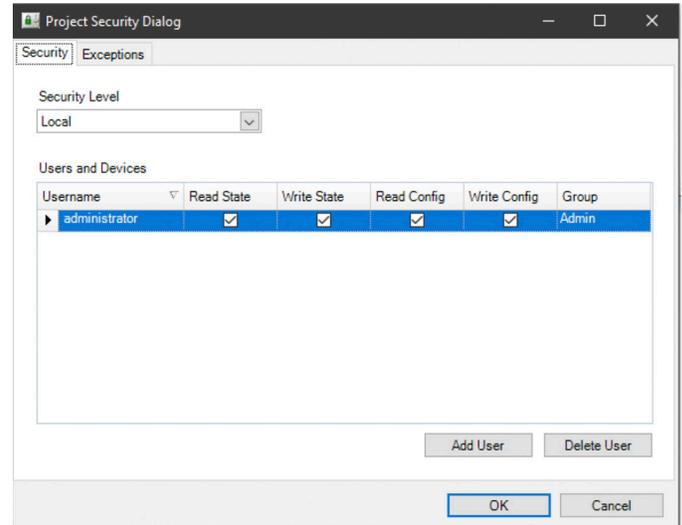


SECTION TWO | Setting Up Controller Security Access (continued)



5. With security settings enabled, Design Center will require use of a valid username and password to connect to the controller. When making a new connection, the Controller Security window will appear. Enter the default username “administrator” and your new password. Check the **Show Password Characters** to verify your password. Select **OK** to log in to the controller.

NOTE: If you have forgotten the access credentials, please refer to SECTION THREE for instructions about resetting the controller password.



6. To setup additional user credentials in Design Center (so you do not have to use “administrator” each time), go to **Settings** and open **Project Security**. Here you can select **Add User** to make new admin users. You can also change the Security Level as needed. Please note, Local requires login for both remote and local access, Remote only requires login for remote access, and None does not require any login for access. After making changes, the controller will need to be programmed again.



SECTION THREE | Resetting the Controller Password Through the Controller

Resetting the Controller Password Through the Controller

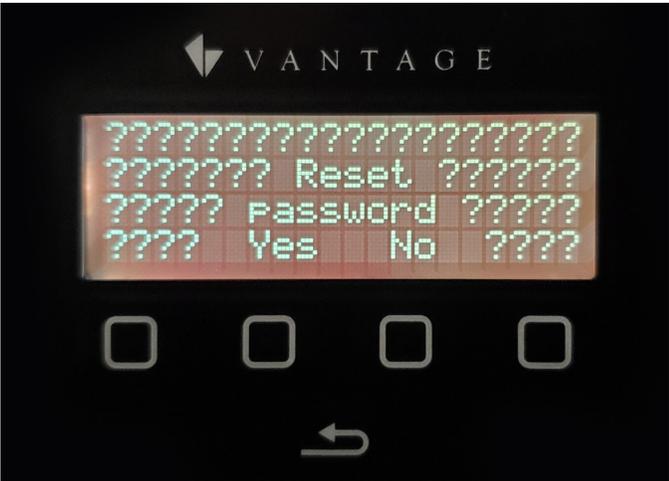
If you need to change the password through the controller or forgot your password in 4.1.1.X, follow these simple steps.



1. Hold **Return** button above. While holding navigate to the PWD menu and hit **Yes** to reset. Release Return button



2. On the new screen, press **PWD** at the bottom left for the password.



3. Press **Yes** to reset the password.



4. A new screen will confirm **Reset password Succeeded!** Tap the exit arrow twice to return to the main screen and exit back out.



SECTION THREE | Resetting the Controller Password Through the Controller *(continued)*

5. Close and re-open Design Center 4.0, open the project file, and repeat SECTION TWO to reset the login password. In this process, it is **NOT** necessary to change the controller serial number to “0” in the project file.

Reconnecting the Controller and Design Center

* If you are unable to connect to the controller after completing the above steps, go to the controller main screen, hold the back arrow for six seconds to access the security level screen, set the level to **None**, and press **Set**.

** If you are using an IC-DIN-II-LITE, the only option is to perform a factory reset of the controller by holding the X button on the face of the controller for 5 seconds. After the reset, the network setting will be set to DHCP and all security settings will be erased. Now perform the steps in SECTION TWO.



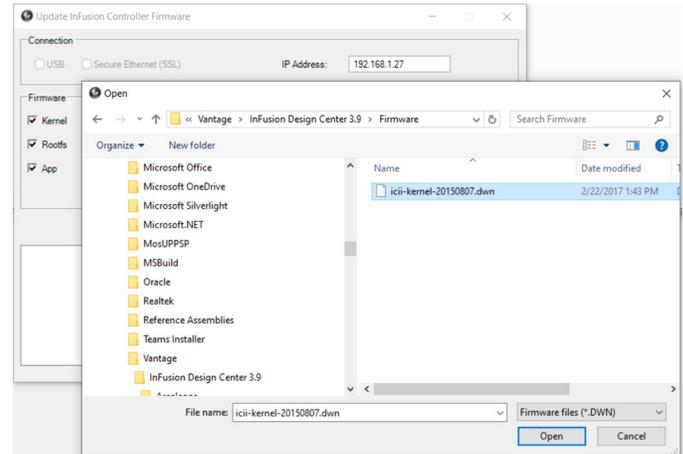
SECTION FOUR | Reverting Firmware From 4.1.1.X to Previous Versions

Reverting Firmware On the Controller From 4.0.0.X to Previous Versions

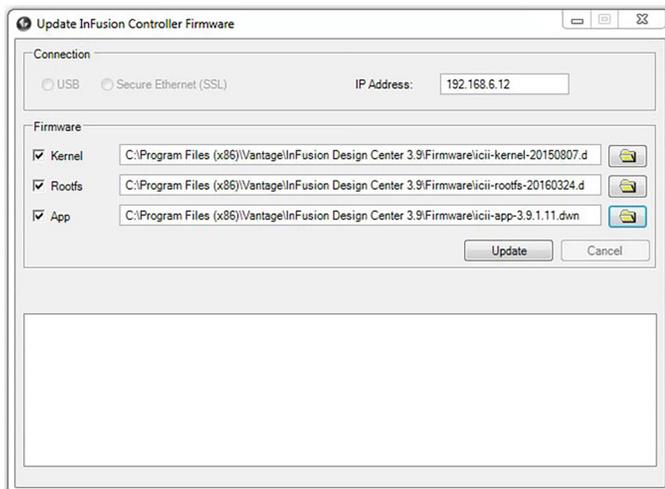
In some cases, it may be necessary to revert a project controller to a previous firmware version. Please note that Design Center project files do not back-convert, so you will need an original project file that matches the firmware.

IMPORTANT!

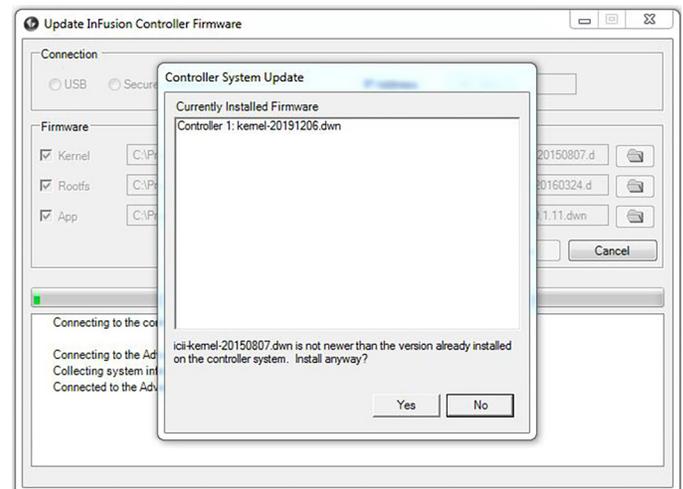
1. IMPORTANT! Firmware updates must be done using Design Center 4.0.



2. Inside the **Update Infusion Controller Firmware** window, check the boxes next to the Kernel, Rootfs, and App so that each of these will all be updated together. **NOTE:** You must select and upload the Kernel, Rootfs, and App together, or else the controller may not recover and may have to be shipped in to be repaired. To select previous versions of these files, browse to the desired firmware file e.g. C Drive: Program Files x86: Vantage: InFusion Design Center 3.9: Firmware and select the correct 3.9 Kernel.



3. Once the Kernel has been selected and opened, it should appear in the Kernel line. Next, click the folder next to Rootfs and Windows will return you to the same folder you previously opened. Select the desired Rootfs file and select **Open**. Repeat this process for the App folder.



4. Now that the correct Kernel, RootFS, and App versions are selected, click **Update** which will take you back to the previous firmware version. A dialog will ask if you would like to revert to previous firmware version(s). Select **Yes** to the Kernel, Rootfs, and App to continue backdating the controller. When complete, select **OK**.



SECTION FOUR | Reverting Firmware From 4.1.1.X to Previous Versions *(continued)*



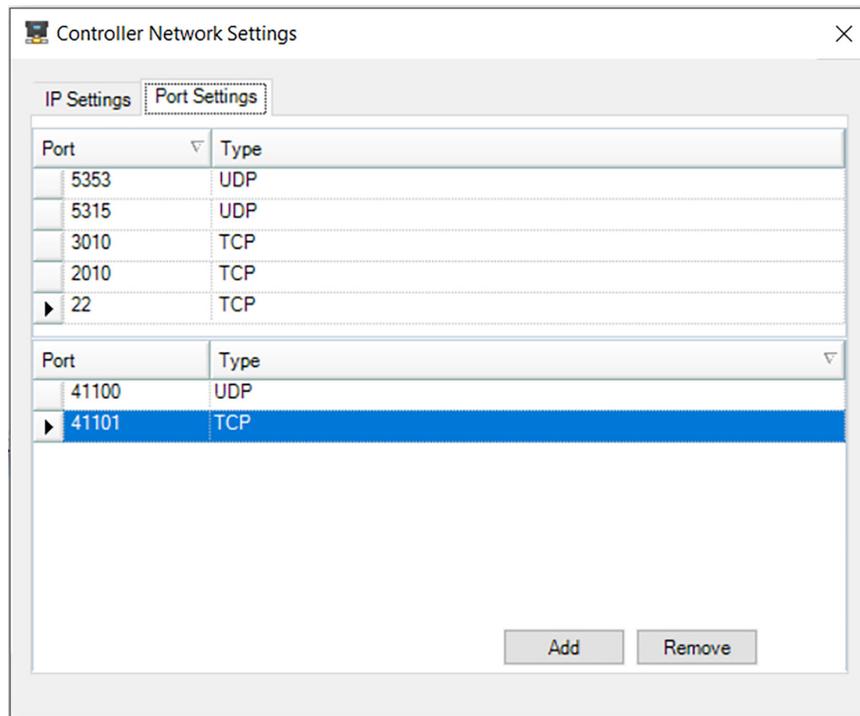
5. You can physically verify on the controller that 3.9 (example) has been restored.



ERRATA

Additional Ports

Additional ports may need to be opened in the network settings page for the InFusion Controller to enable 3rd party control and drivers.*



1. Add the following ports: 2001 TCP, and 3001 TCP. Then click **OK** (depending on monitor resolution, you may have to extend the bottom of the window). Also set security level to **NONE**.

*End User's License Agreement Statement - EULA

EULA Statement

In order to enhance the security of our products, Legrand ships its products with all insecure ports closed and insecure protocols disabled. You are free to configure your device as needed, but in doing so note that you may be decreasing the security of your device and any information contained in the device. As you modify the device's default settings, keep in mind how this may impact the security of the device and your network. In addition, you should use caution in connecting your device to the Internet, especially if you have altered the default security settings. If you have any questions or concerns about how your modifications of the device may affect its security, please contact the Vantage Controls Tech Support Team at 1-800-555-9891 / <http://dealer.vantagecontrols.com/support/contact.php>



UPDATES 4.1.1.X

InFusion Controller to QZHub3 Communication

- InFusion Controller now talks directly to the QZHub3 when the Controller and hub are connected to the same network

New RS232 DMX Gateway

- Provides RS232 solution for DMX Gateway
- More secure communication than Ethernet Gateway



RELEASE NOTES | Design Center Update 4.1.0 (Patch One)



UPDATES 4.1.0 (Patch One)

Qmotion

- Deeper integration with 2-way communication
- QIS has BACNet integration

Cloud Services

- Updated API for Equinox Weather Service
- Migration to Legrand Cloud improves sync time

Part Number Updates

- PSU36-DIN to PSU36-DIN-I
- RPTouch Color / Part Number correction
- Button set part numbers aligned with Station matrix



BUG FIXES 4.1.0 (Patch One)

Longitude/Latitude Correction

- Expanded Power Saver to 90%

General Drive Improvement

- Lutron QIS 2-way
- Converging Systems Node



RELEASE NOTES | Design Center Update 4.1.1 (Patch Two)



UPDATES 4.1.1 (Patch Two)

QZHub3 Local Integration

- Local communication between InFusion Controller and Hub
- Quicker Response between Vantage system and shades
- Better integration experience

RS232 DMX Gateway

- DMX gateway for scenarios where RS232 is needed or preferred

Low-Voltage Output Stations

- Replace fluorescent dimmers with LED dimmers as default for Low-Voltage Output Stations

Drivers

- DC will now automatically check for updated drivers when connecting to online driver store



BUG FIXES 4.1.1 (Patch Two)

General System

- In System Preferences dialog, option to show Commercial Objects is now disabled by default
- Burn Infusion says when the FW has been transferred, not when it finished installing
- Commercial Equinox emulator functionality restored
- EQ41 and EQ73 can be individually filtered in grid view
- Default communication port in DC has been changed to 2010, required for secure communication and DC no longer supports insecure communication to the InFusion Controllers
- Keypad LED is in proper position based on engraving setting
- EQ73 no longer returns to home screen when not expected
- Can add Align-metal faceplate to keypad
- Able to gang RK stations
- Moving from 3.9xxxx forward will give the option to convert all EasyTouch II instead of automatically doing so
- Various BACnet improvements for stability in larger installations

EasyTouch

- Incorrect button placement and part numbers for EasyTouch Glass keypads on the engraving detail report
- Glass keypads now have a default rendering on styles page
- Button styles that were applied to EasyTouch II keypads were spawning multiple copies of itself



NEW HARDWARE | RS232 DMX Gateway | DMX-GW

To create a more secure network, Legrand has identified a new DMX Gateway that uses RS232 for communication. This eliminates the potential security concerns of communication via Ethernet. The new Gateway and associated driver provides all of the same features as the old Gateway, but now connects via RS232.



KEY SPECIFICATIONS

RS232 DMX Gateway

- Communication through RS232
- Less of a security risk
- Complies with California SB-327
- Same functionality as previous DMX Gateway



VALUE

RS232 DMX Gateway

- No security risk
- Can be sold/installed in California



NEW HARDWARE | QzHub3 |

QMotion's shades use a device called the QzHub3, which acts as a gateway for ZigBee™ communications when hardwired, RS-485 communication with the controller is not possible or desired. The QzHub3 will handle communication with the controller for control and configuration of shades using Ethernet. The QzHub3 can handle up to 32 nodes (base) or up to 105 nodes (for full network size, if using Range Extenders). Nodes include shades, remotes and range extenders. The programmer will need to activate the QzHub3 via the QMotion QzHub App to join the shades to the hub before programming them in Design Center. Each Controller can support one QzHub3.



KEY SPECIFICATIONS

QzHub3

- Creates a Zigbee 3.0 network for wireless control of Qadvanced battery and QIS wired shades
- Allows for native integrated control with the Vantage Controls platform
- Connected to Legrand cloud for future updates
- Power adapter and USB-C charging cable included
- Mobile control via Vantage Controls Equinox mobile app
- Local communication between Controllers and QZHub3 for faster response time and increased reliability



VALUE

QzHub3

- The ZigBee network provides easy wireless communication to your QMotion Qadvanced Zigbee wireless shades
- Ability to create shade groups for the homeowner as needed
- More efficient communications for optimized wireless traffic