



RELEASE GUIDE

DESIGN CENTER 4.2.0

- DESIGN CENTER 4.2 UPDATE

HUMAN CENTRIC LIGHTING

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CURRENT SOFTWARE

Design Center	4.2.0.1340
InFusion Controller	4.2.05
Equinox App	1.5.4.6
Updated On	7.6.2021



SECTION ONE | Updating Firmware On IC-II Controllers



UPDATING FIRMWARE ON IC-II CONTROLLERS

Updating Firmware On the Controller to 4.2.X

These steps provide information on updating your controller's firmware with Design Center 4.2.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.x, 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.x, 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 4.2.0

3. Make sure that you are using Design Center 4.2.0 and verify the IP address of your InFusion Controller. Go to **Toolbar > Connection > IP Address** 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

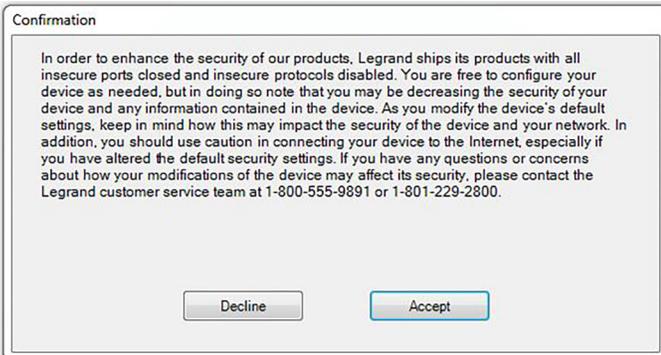
0

4. Go to **Toolbar > 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**.

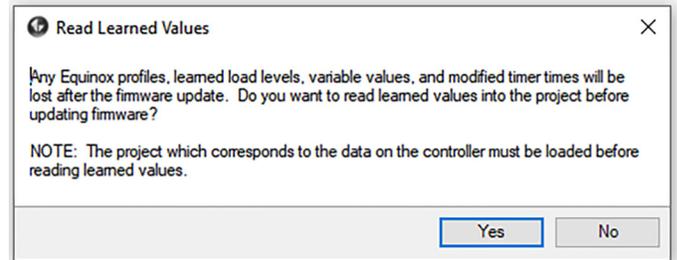


SECTION ONE | Updating Firmware On IC-II Controllers

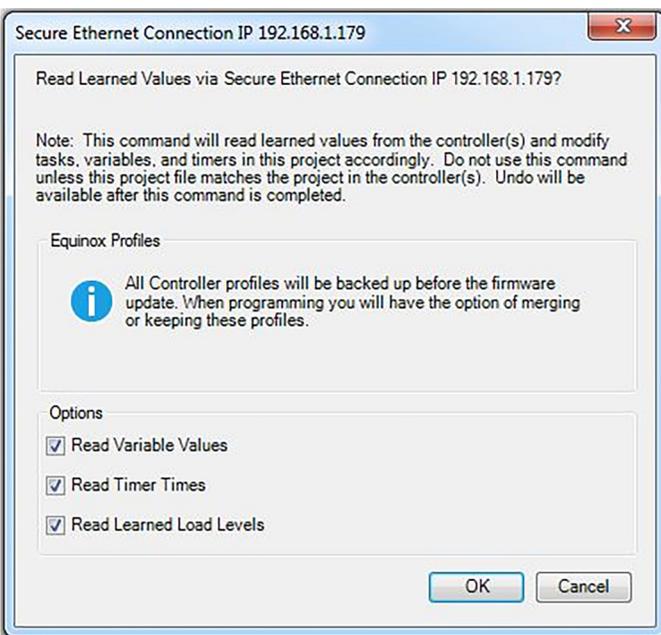
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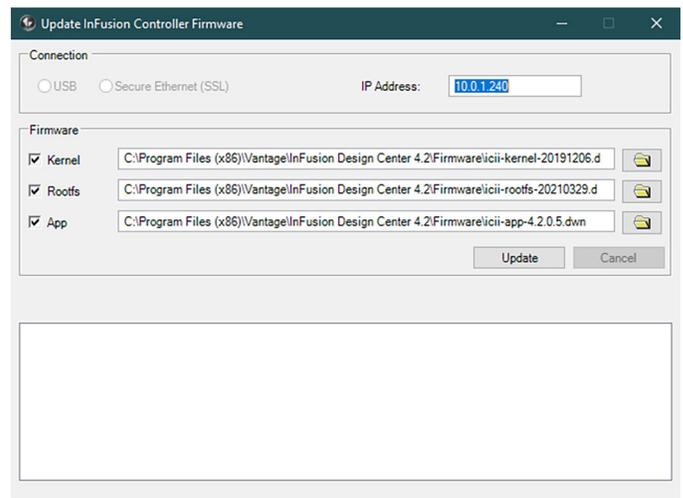
5. A confirmation window will appear. Please review the EULA and select **Decline** to end the update process or **Accept** to continue with the firmware update.



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.



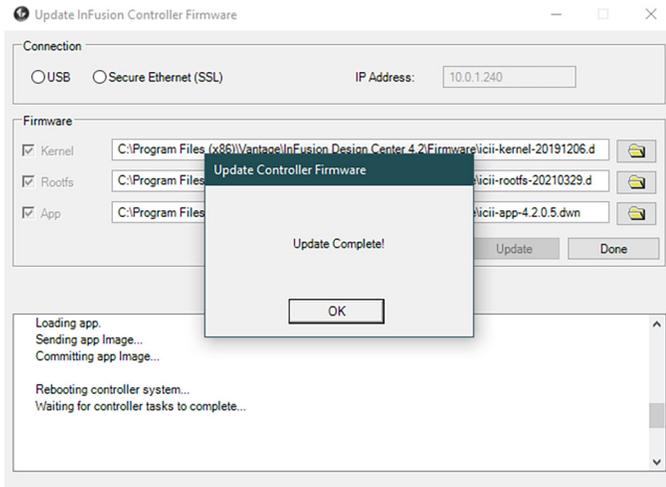
7. You will see a yellow Vantage icon in the upper menu as Design Center is connected to the InFusion Controller. If you selected Yes from the previous step, the **Secure Ethernet Connection** window will appear. Select the options that you would like to retain while updating the controller firmware. 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 4.2.0 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, 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 4.2.0 project file to a controller, please complete steps 2-6. If you are replacing a controller on an existing 4.2.0 system, or have re-loaded the 4.2.0 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 4.2.0 firmware and credentials, please see Section Four to first reset the password.*

Controller Security

Please enter your user name and password.

User name:

Password:

Show Password Characters

Change Password OK

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 either "admin" or "administrator" and the default password is the controller serial number. Check the **Show Password Characters** to verify your serial number. Select **OK** to move to the next step in the update process.

Update Default Password

In order to enhance the security of your device, you are required to create a unique password before using this device. You are responsible for ensuring the confidentiality and security of this password.

New Password:

Confirm Password:

Show Password Characters

NOTE: Password will only take effect after programming.

Comments:

3. In the **Update Default Password** box, a new password will need to be provided. The new password must contain at least one Capital letter, lowercase letter, number, and special character (example shown above). Verify the password entry by selecting **Show Password Characters**, then click **OK**.

Project Security Dialog

Security Exceptions

Security Level: Local

Username	Read State	Write State	Read Config	Write Config	Group
administrator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Admin

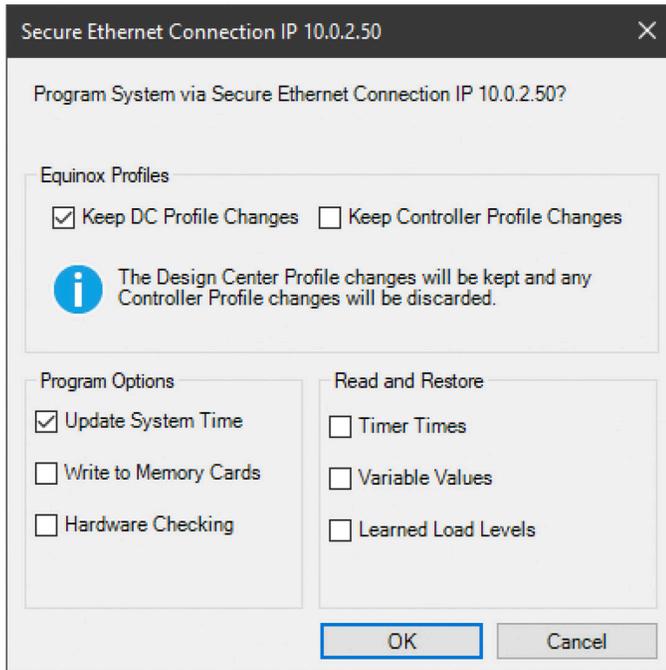
Add User Delete User

OK Cancel

4. To setup additional user credentials in Design Center (so you do not have to use "admin" or "administrator"), go to **Toolbar > Settings > Project Security**. Here you can change the Security Level as needed (Local = remote and local security; Remote = remote security; None = no security). It is also recommended to **Add User** with a unique username and password (password requirements from Step 3 apply). When finished, click **OK**. A full program upload will be required to apply the security settings.



SECTION TWO | Setting Up Controller Security Access (continued)



5. Next you will need to upload the program file to the InFusion controller. Select the **Program Icon** (F5). In the Program options window, do NOT select **Keep Controller Profile Changes**, but select **Keep DC Profile Changes** if the project file contains Equinox profiles. Select **Program Options** as applicable. **Read and Restore** options do not apply here because the controller has no programming after the firmware update. Select **OK** to continue.

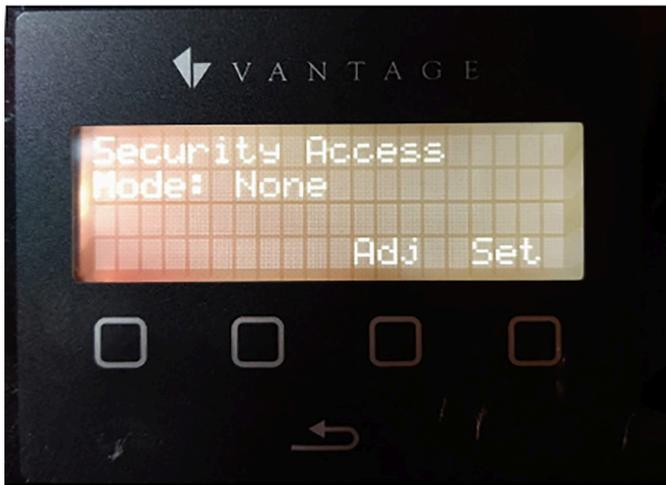


6. With security settings enabled, Design Center will require use of a valid username and password to connect to the controller. When making a new connection, the Controller Security window will appear. Enter either the default username “admin” or “administrator” and the new password you made, or your unique username and password from step 4. Check **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.



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



5. At any time, it is possible to change the security settings of the controller to **None** through the front display. To do this, press the **Return** button twice, then hold the **Return** button for 5 seconds until the **Security Access** screen appears. Press the **Adj** button until the mode shows as **None**, then press **Set**.

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 10 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**.



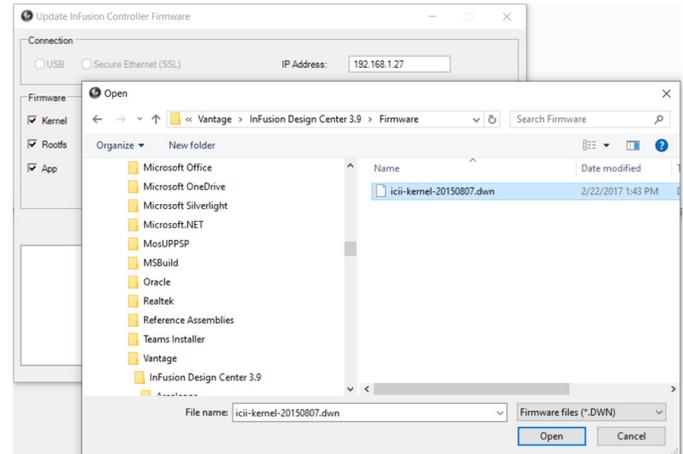
SECTION FOUR | Reverting Firmware From 4.2.X to Previous Versions

Reverting Firmware On the Controller From 4.2.0 to Previous Versions

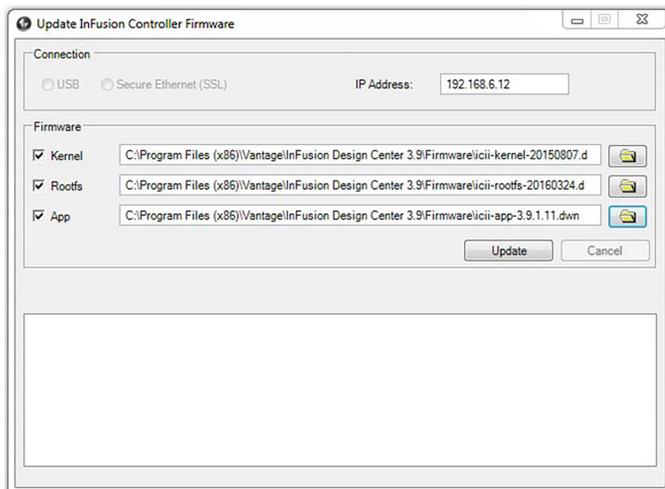
In some cases, it may be necessary to revert a project controller to a previous firmware version. Please note that Design Center project files do not back-convert, so you will need an original project file that matches the firmware.

IMPORTANT!

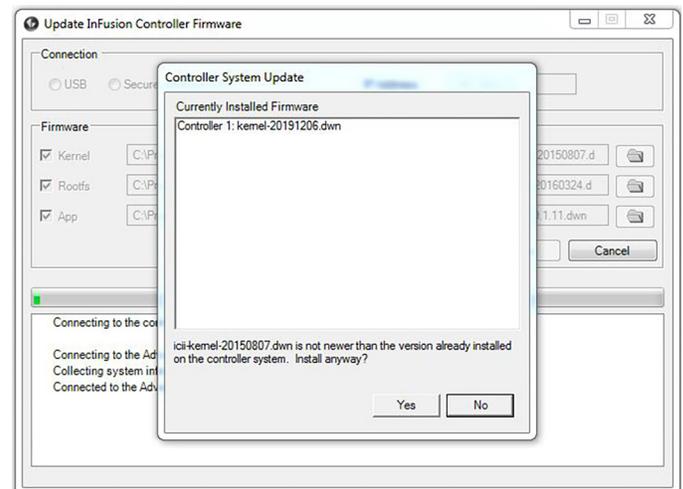
1. IMPORTANT! Firmware updates must be done using Design Center 4.2.0.



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 4.2.X to Previous Versions *(continued)*



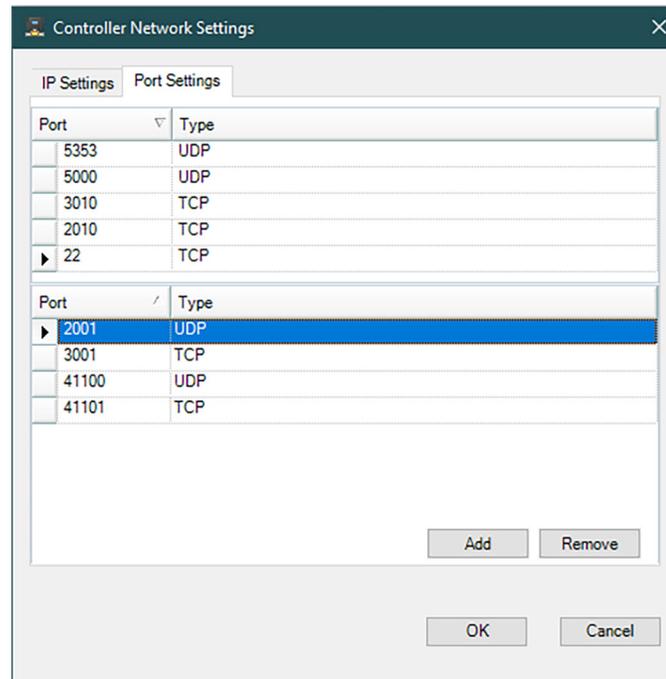
5. You can physically verify on the controller that 3.9 (example) has been restored.



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 UDP, 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>



RELEASE NOTES | Design Center 4.2.0



UPDATES 4.2.0

New Human Centric Lighting Features

- New features in Design Center to make it easier to control tunable fixtures and provide a better experience for the homeowner

New RS232 DMX Gateway

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



UPDATES 4.2.0 (Patch One)

Human Centric Lighting New Features

- Kelvin increments of OK on “Procedure Wizard - Warm” and “Procedure Wizard - Cool” screen
- Allow Kelvin increments of OK on “Object Editor” screen
- Display the Kelvin option under Systems Status “Advanced” on the tree list box on the variable “Assignment Wizard” screen
- Changed the accuracy of the Power Saver “Reduction” field to “99.000%”
- Change the width of procedure values cell to allow for the full visibility of Parameter Variables
- Sort Contents of procedure values cell alphabetically
- Improved Dim Scene functionality of DMX-DALI Gateway
- New Color Load Types - Warm/Cool CCT (DMX)
- New Color Load Types - Warm/White/Cool CCT (DMX)
- Tunable profiles for tunable fixture color loads
- <https://go.bluevolt.com/legrand/s/coursedetail/253594> - Link for instructional videos as well as tunable profiles using linearization files for tunable fixture color loads - Imported from .dcl library resource file found in Legrand University
- Enforces *Strong Passwords* with new dialog stating why password fails to meet security standards



BUG FIXES 4.2.0 (Patch One)

Fixed Bugs

- Logging in to controller as Admin user no longer throwing *Equinox View Has Changed* flag, requiring full programming instead of update
- Shade Group Commands were not responding in DC or EQ while Internet is connected to Router
- IC does not always delete empty groups
- IC and EQ73 reboot when Internet is lost

General Improvements

- DC Security improvements
- Add handling the new WSS events GROUP_WAS_UPDATED GROUP_WAS_CREATED GROUP_WAS_DELETED
- Increased task execution of DMX-DALI-GW and DMX-RS232-GW loads to include full 512 DMX channels with minimized latency

Obsolete / Discontinued Products

- Removed from Design Center (CC-HUMIDSUP, SENSOR-SMT)



NEW FEATURE | Human Centric Lighting

To improve the experience of high end home owners, Legrand has created some new features, and improved some existing features and label these features under a new category “Human Centric Lighting”. The focus of this work is to provide dealers with features that will allow better control of tunable fixtures to provide a better experience for the home owner, while being simple to implement so that dealers can spend less time programming.



KEY SPECIFICATIONS

Human Centric Lighting

- New features for tunable fixtures
- Easy to follow instructional videos
- Tunable profiles for tunable fixture colorLoads - downloadable .dcl library files will be updated as more fixtures are added
- Link to videos and linearization files <https://go.bluevolt.com/legrand/s/coursedetail/253594>



VALUE

Human Centric Lighting

- Simplified/Improved control of tunable fixtures means less time programming
- Added features provides a more customized experience for home owners