

Series C ION® System Control

Version 2.05 Release Notes

December 17, 2025

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General



This document is provided in conjunction with the "hex" file **CINF0205.bex**, which comprises the executable code for the following Ion™ System Control model numbers:

- SYST0201CW

This series C software is ONLY compatible with these model wall controls.

Detailed instructions on uploading this software into the Ion™ System Control are included in this document. The software release package is available through this link:

http://cacbdpapps.net/marketing/eula/ICP ION V0205_EULA.html

Note: This software is for the Series C controls only. The Series A or B controls cannot use Series C software and vice-versa.

Copyright Notice

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End User License Agreement

The user MUST read and accept the **End User License Agreement** included with this software package BEFORE downloading and using this software update package. If you do not accept the End User License Agreement, this software package must be deleted from your computer.

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Revision History

Version 2.05 (December 2025)

Version 2.05 software includes the following updates to the ION® System Control:

- Phase 1 Support for Remote Service Diagnostics Mode
- SmartSave Enhancements
- Diagnostic messages now include equipment type
- Updated the software update details screen so text on the screen updates with download/upload progress.
- AHRI 1380 support provisions
- OpenADR 2.0 provisions
- OTA update indications / enhancements
- Updated info screen text for 'refrigerant charging menu' and pump down setup screen to better reflect how the refrigerant charging feature operates.
- Corrected issue causing indoor blower to surge
- Added new "reset" option on the 'service maintenance reminder'
- Zone damper error detection improvements
- Hydronic heat Zoning airflow limit improvements
- Operating parameters added to refrigerant charging and HP / AC checkout screens
- Added HP lockout message to the equipment operating status screen.

Version 2.00 (July 2025) Initial Release

Version 2.00 software includes the following updates to the ION® System Control:

- Updated VSPD ODU control algorithm enhanced temperature control (includes CVP compliance)
- Fixed 5 Ton equipment learning issue
- Resolved IDU dissipation fault 184
- Updated registration URLs in registration screens
- EULA now resets when wireless network is changed (new homeowner)
- Added refrigerant line length description to Refrigerant Charging Screens
- Refrigerant Charging Mode timer / workflow improvements.
- EOL test enhancements to drive software version alignment

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Installation Instructions

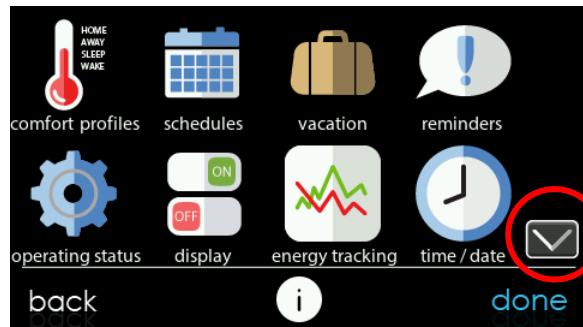
Finding the Current Software Version

The software installation process is Over The Air (OTA) and via USB-C device. The current software version may be determined as follows:

Press **menu** on the Main screen,



and then the down-arrow to go to the second menu screen.



Touch **service** icon.

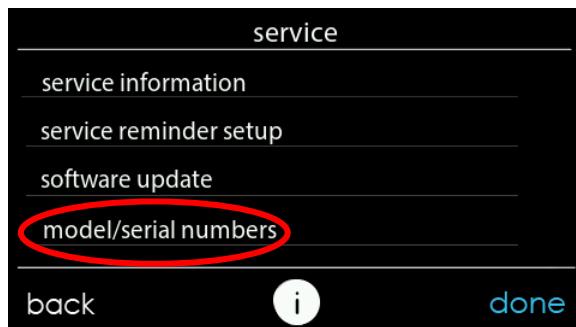


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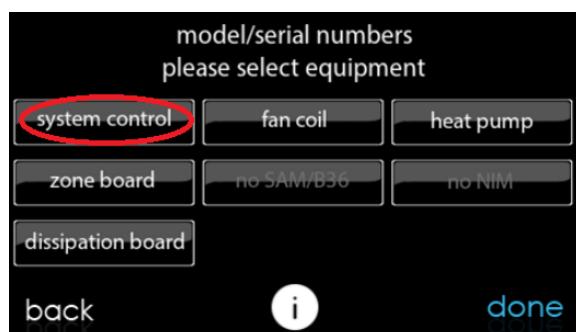
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Touch **model/serial numbers** on the resulting screen.

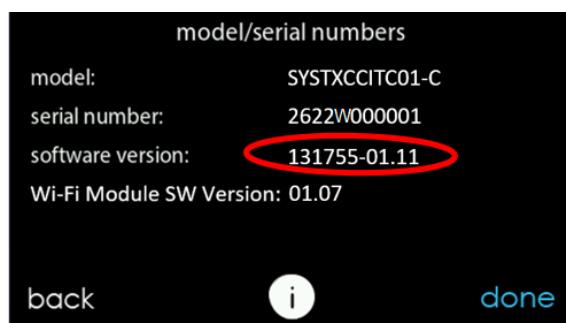


Touch **wall control** on the resulting screen.



View the Software Version number.

Software Version 131755-01.11, for example, is the production software version 1.11, released in February 2022.



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Downloading the Software Update

For Series C controls, software updates are provided via over-the-air (OTA) or uploaded manually using a USB - C memory device. The following instructions apply to the manual update process.

You will obtain best results using a USB – C device that is between 4GB - 32GB in size and formatted as a FAT32 device. Any other formatting (NTFS, exFAT, etc.) will result in an error of “please insert USB – C Device.”

To perform a control software update, follow these steps:

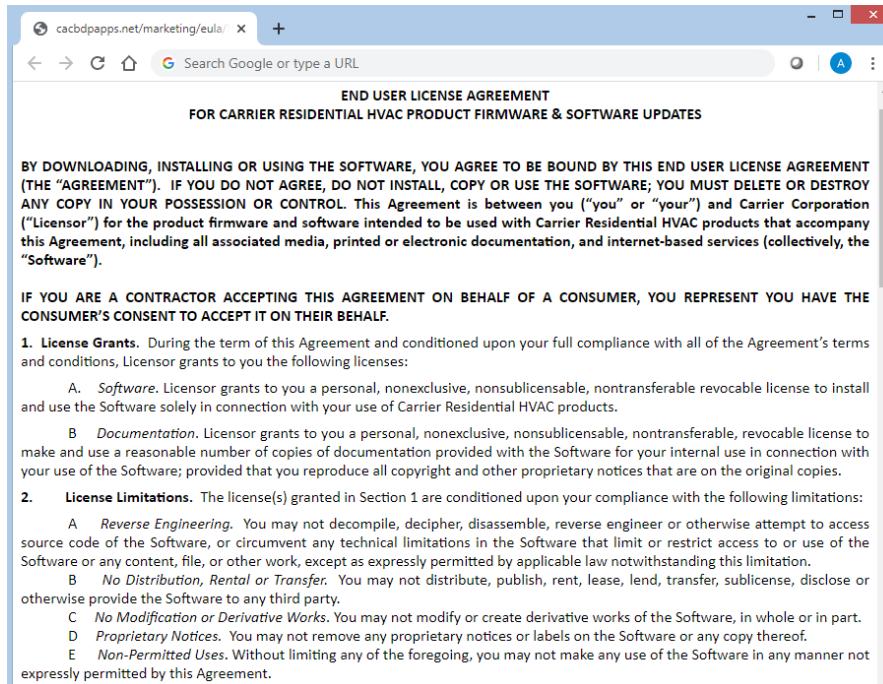
- Click on this link to obtain the updated software:

http://cacbdpapps.net/marketing/eula/ICP Ion V02.00_eula.html

If the link does not work properly, copy the link into your browser web address window and open the link.

NOTE: You may NOT distribute the software itself. You may only distribute the link to the software, or this document.

- Read the End User License Agreement (EULA).



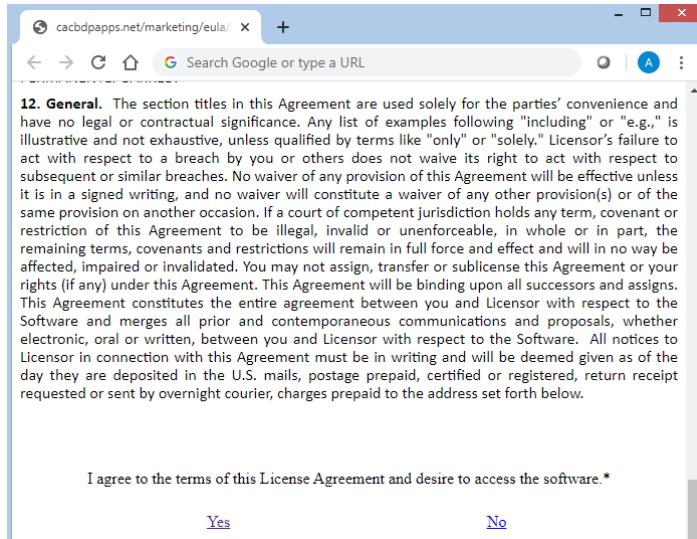
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- At the bottom of the EULA, choose "Yes" if you accept the agreement. If you do not wish to accept the agreement, you will not be able to download the software update.

NOTE: EACH user must accept the EULA each time the software is downloaded. You may NOT distribute the software itself. You may only distribute the link to the software, or this document.

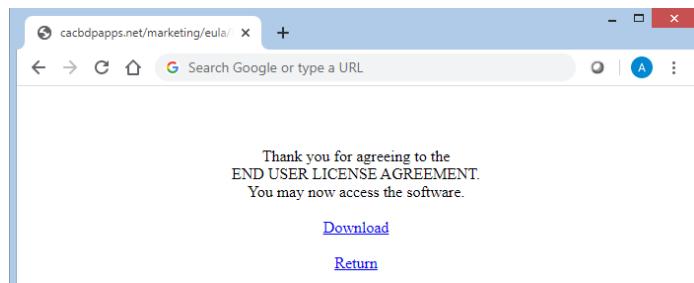


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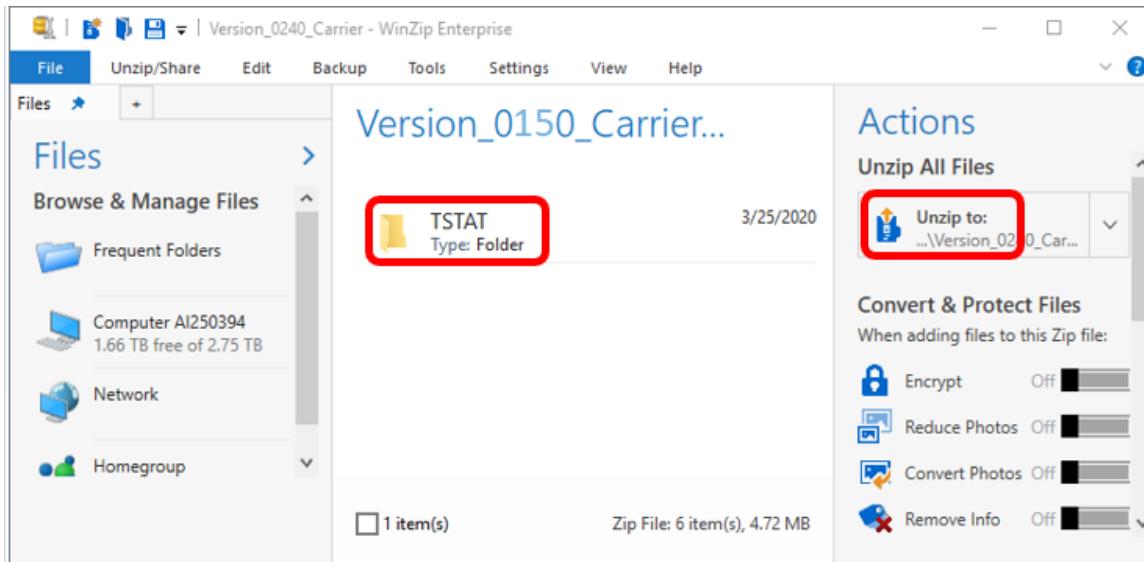
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- Use the Download link provided in the EULA document to download the software update package.



- Once the file has been downloaded, open it in WinZip. Select the **TSTAT** folder, then the **Unzip to** action.

NOTE: *The names of the files in the images below are examples and will change with the latest version numbers.*

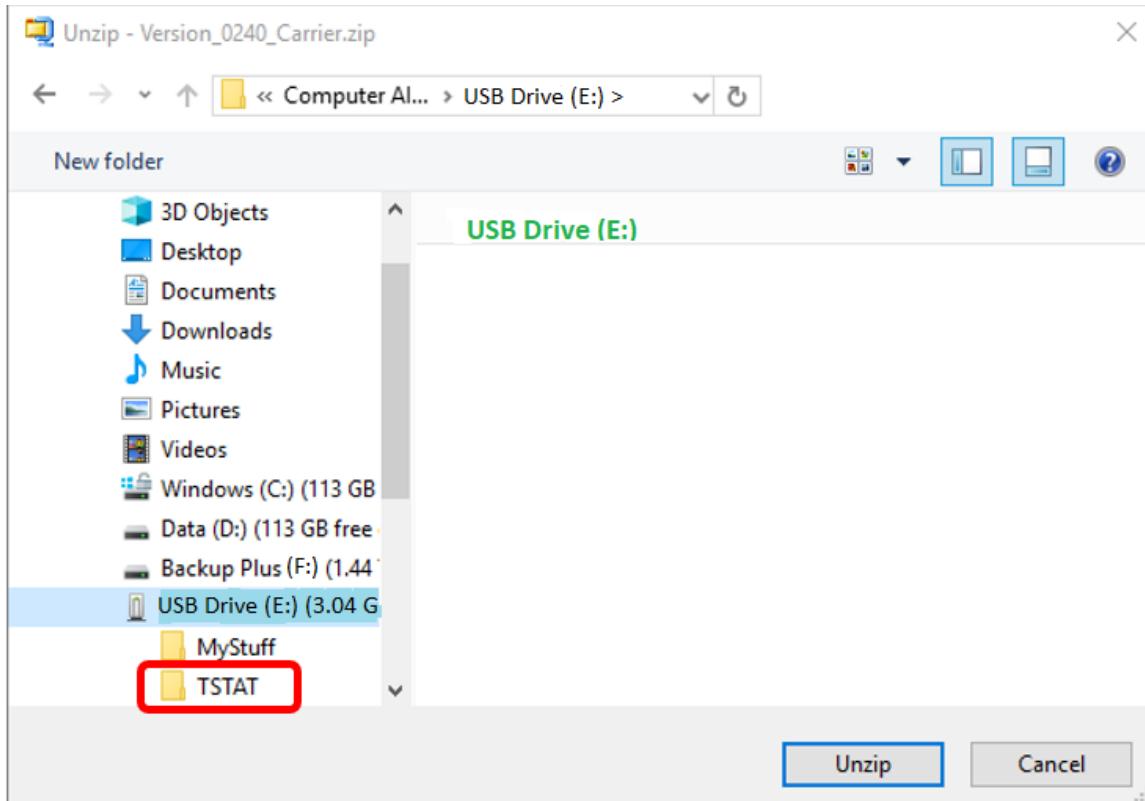


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- Choose the USB-C drive as the location to which to extract the folder from the zip file. This will create a new **TSTAT** folder or over-write the existing **TSTAT** folder and any files contained within it. Click **Unzip**.

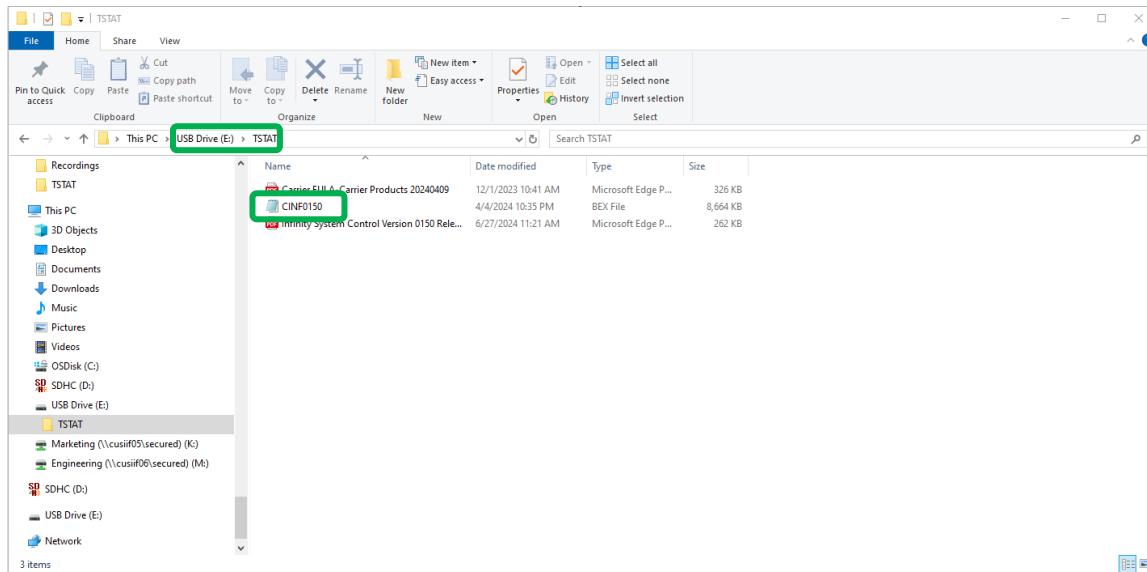


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- Verify that the files, including the [CINF0152.bex](#) file, have been extracted into the TSTAT folder of the USB-C drive.
- **NOTE:** *The names of the files in the images below are examples and will change with the latest version numbers.*



Next, eject the USB-C drive from the PC and go on to the installation, below.

Installing the Software Update

- From the MENU screen, select the **service** icon.



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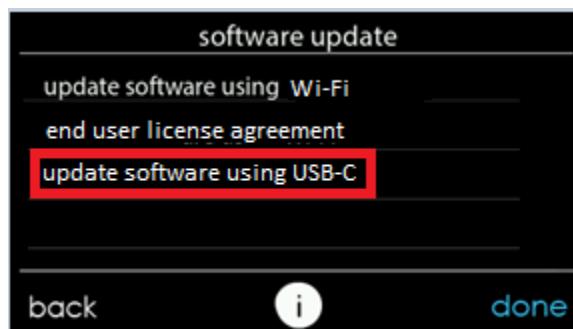
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- Select **software update**. If this option does not appear, your dealer will need to install your software. Contact your dealer for assistance.

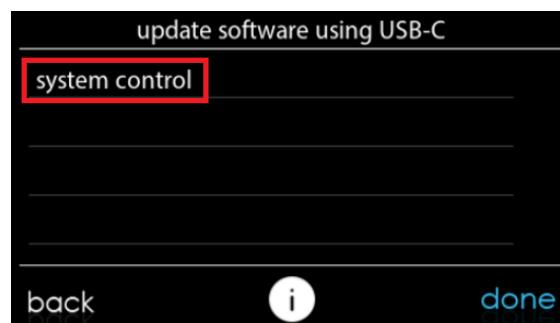


- Select **update software using USB – C device**.



- Select **system control software update**.

Note: Some systems may include HVAC equipment capable of accepting a software update, but that is not covered in this document.



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- Plug the USB-C drive into the bottom right of the control.

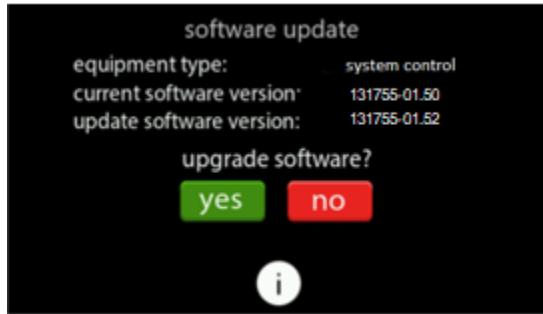
If this screen continues to appear, recheck the device and formatting. See the download section.



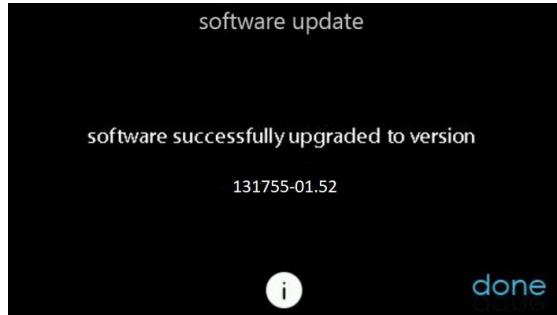
- If the .bex file is stored properly on the USB-C drive, this screen will appear. If the screen says, "Please insert USB-C drive", remove the USB-C drive and re-insert. If it still does not show the screen, below, go back to the download part and retry.

NOTE: The names of the files in the images below are examples and will change with the latest version numbers.

Press **yes** to continue with the software upgrade. The upload and installation will take several minutes.



- When the software upgrade is complete, a "successful" message will appear.



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- The control will perform a restart after the **done** button is pressed.

There will be a longer than normal delay for the wall control to restart since part of the process at this time is the completion of the new software installation. Once the control has successfully restarted, the USB-C device may be removed.



- This completes the software upgrade process.

You may want to confirm the new software version, as described above.