May 20, 2025

#### Contents

General	. 1
Copyright Notice	. 1
End User License Agreement	. 1
Revision History	. 2
Installation Instructions	. 6
Finding the Current Software Version	. 6
Downloading the Software Update	. 8
Installing the Software Update	12

### <u>General</u>



This document is provided in conjunction with the "bex" file CINF0164.bex, which comprises the executable code for the following Infinity System Control model numbers:

SYSTXBBECC01-C

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

Detailed instructions on uploading this software into the Bryant Evolution Connex are included in this document. The software release package is available through this link:

http://cacbdpapps.net/marketing/eula/Infinity\_System\_Control\_V0164\_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**

Carrier Corporation is the copyright owner of this material. Copyright laws and international copyright treaties, as well as other intellectual property laws and treaties protect this software update package. User may not and shall not copy or otherwise reproduce or make available to any other party any part of or the entire software update package. The User may, however, make one (1) copy of Software for backup or archival purposes.

### 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.

May 20, 2025

### **Revision History**

### Version 1.64 (May 2025)

Version 1.59 software includes the following updates to the Series C Bryant® Evolution® Connex<sup>™</sup> Control:

- Charge calculation is incorrect.
- Corrected screen flow issue on auto mode setup. Hide the navigation buttons when the energy usage pop-up displays on the auto mode setup screen.
- Changed "Description Unknown" fault text to "Retrieving Fault Description" for dissipation fault code 3 – Dissipation Off Delay Active".
- Fixed sparkplug notifications metric to ensure timestamp is valid (not junk value).
- Added sparkplug equipment\_events2 metric, now includes priority field.
- Fixed Outdoor unit not found with mitigation system installed. Determined that due to an abundance of rapid CCN data read requests being sent to the equipment, the system control was not able to request a read to the ODU needed to determine if it was on the bus. To fix, removed unnecessary data read requests to be put out to equipment by the system control.
- Fixed OpenADR setpoints not changing in response to utility events, with these restrictions: 1) a single interval is supported 2) event inputs must specify only one type (offset, absolute, reduce power).
- Fixed issue where the hydronic setup screen would have its airflow locked in at zero, and be unadjustable.
- Energy Hub feature implemented.
- Correct non comm ODU equipment selection.
- Caribbean Support: Align error handling and Energy Tracking with requirements.
- 160-humidity sensor fault is observed often in CING.
- BING is sending HP operating status as ON when gas furnace demand is running.
- NGRIP Forced Defrost Override.
- Cancel button appears to save the fan speed from main screen drop down.
- Tetra/NGRIP Set max time in charging modes.
- French Language Support for CHS\_Screens (Charging screens).

### Version 1.59 (January 2025)

Version 1.59 software includes the following updates to the Series C Bryant® Evolution® Connex<sup>™</sup> Control:

- Fan coil electric heater kit learning improvements.
- ODU staging control enhancements.
- Equipment update via physical media process improvements.
- Airflow verification process corrections.

May 20, 2025

• Supported equipment combination additions.

### Version 1.55 (October 2024)

Version 1.55 software includes the following updates to the Series C Bryant® Evolution® Connex<sup>™</sup> Control:

- Smart Save feature support
- Added ability to do partial refrigerant cooling weigh-in during refrigerant charging mode
- Changing all text instance of "software upgrade" to "software update".
- Changed all text instances of "environment"/"environment setting" to "climate zone", and "odu material type" to "odu coil type".
- Enabled support for outdoor temp from the weather forecast (instead of ----) on the weather forecast screen if no local OAT is measured.
- Physical media software update support for current deluxe ODUs/IDUs.
- Mobile application energy pricing corrections
- Dealer contact info upload improvements.
- Pump down mode corrections / enhancements.
- Additional equipment (geothermal) combinations
- Added support for Puron Advance uncased evaporator coils.
- Add refrigerant charging parameters to the Connected Portal
- Equipment discovery process enhancements
- Refrigerant charging mode enhancements
- Added support for ODU coil types (Copper / Aluminum)
- Updated defrost algorithms on heat pumps now use 30m defrost time for Next Generation Greenspeed, as well as Next Generation Evolution Extreme, 15m for Legacy heat pumps, 5 stage, heat pumps and for all other systems.
- Added timeout for subcooling/heating check charge function.
- Added info help text on new setup screens.
- Added support for ODU model manual overwrite.
- GUI corrections / enhancements
- Blower motor validation added to communicating fan coil service boards.
- Added IDU and ODU compatibility checking
- Corrections to checkout mode
- Smart Save support added.
- Use factory model number instead of model number description for Deluxe fan coils
- Deluxe furnace CFM reporting corrections
- Deactivated unused proximity support.
- Added support for packaged geothermal units

#### Version 1.50 (April 2024)

Version 1.50 software includes the following updates to the Series C Bryant® Evolution® Connex<sup>™</sup> Control:

May 20, 2025

- Modulation limit screen reinstated for legacy gas furnaces
- Quiet mode for outdoor units defaulted to off
- Heat source lockout screen corrected
- Time synchronized between app and control
- Dissipation event improvements
- Support of French language in equipment checkout screens
- Geothermal RPM Max screen corrected
- File structure for USB updates made like -B SD Card

### Version 1.43 (November 2023)

Version 1.43 software includes the following updates to the Series C Bryant® Evolution® Connex<sup>™</sup> Control:

- Integrate new communicating gas furnace models
- Allow OTA to new communicating furnaces
- Integrate new communicating fan coil
- Set the time zone from Wi-Fi setup screens
- End User License Agreement (EULA) update
- Additional N coils models added
- System monitor correction for Celsius
- OAT (outdoor air temperature) fix for negative temperatures
- Schedule fix to sync system control to APP
- Dealer name change on maintenance reminder to fix overlapping text
- Improved diagnostic codes for communicating outdoor units

## Version 1.11 (June 2022)

Version 1.11 software includes the following updates to the Series C Bryant® Evolution® Connex<sup>™</sup> Control:

- System monitor implemented to prevent over conditioning including a high and low temperature alert
- WPA3 security compatibility for Wi-Fi connection
- Functionality added for selection of new evaporator V Coil in the discovery screens
- New Over The Air (OTA) Status Indicator on the idle screen to indicate new firmware is being downloaded
- Temperature compensation algorithm improved for better temperature accuracy
- Time synchronization corrected so it synchronizes immediately when enabled
- Equipment summary updated to reflect correct outdoor unit size with NIM application.
- SAM Module compatibility added
- Wi-Fi advanced options are now available
- "All zones hold" no longer results in a quick timeout on the main screen

May 20, 2025

### Version 1.05 PRODUCTION (February 2, 2022)

Initial release

May 20, 2025

### **Installation Instructions**

### Finding the Current Software Version

The software installation process is Over The Air (OTA) and via USB-C drive. 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.



May 20, 2025

Touch model/serial numbers on the resulting screen.

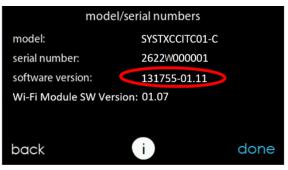
service	
service information	
service reminder setup	
software update	
model/serial numbers	
back i	done

Touch system control on the resulting screen.

model/serial numbers please select equipment		
system control	fan coil	heat pump
zone board	no SAM/B36	no NIM
dissipation board		
back	i	done

View the Software Version number.

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



May 20, 2025

#### **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:

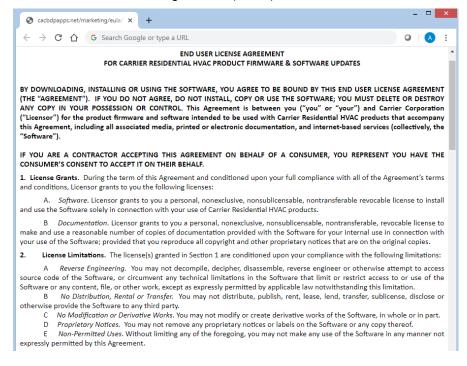
Click on this link to obtain the updated software:

"https://cacbdpapps.net/marketing/eula/Evolution\_Connex\_V0150\_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).



May 20, 2025

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.

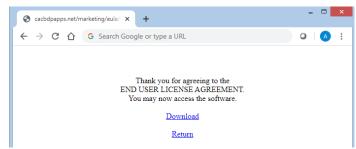
**NOTE:** EACH user must accept the EULA each time the software is downloaded. You may NOT distribute the software itself. You may only distribute the link to the software, or this document.

S cacbdpapps.net/marketing/eula/ X	+	- • ×
$\leftrightarrow$ $\rightarrow$ C $\triangle$ G Search God	gle or type a URL	0 A :
have no legal or contractual signif illustrative and not exhaustive, unle act with respect to a breach by y subsequent or similar breaches. No it is in a signed writing, and no wa same provision on another occasion restriction of this Agreement to I remaining terms, covenants and res affected, impaired or invalidated. Yc rights (if any) under this Agreement This Agreement constitutes the en Software and merges all prior an electronic, oral or written, betweer Licensor in connection with this Ag day they are deposited in the U.S.	his Agreement are used solely for the parties' co icance. Any list of examples following "includir ss qualified by terms like "only" or "solely." Lice ou or others does not waive its right to act waiver of any provision of this Agreement will be iver will constitute a waiver of any other provis . If a court of competent jurisdiction holds any te be illegal, invalid or unenforceable, in whole trictions will remain in full force and effect and w u may not assign, transfer or sublicense this Agr . This Agreement will be binding upon all success the agreement between you and Licensor with d contemporaneous communications and prop you and Licensor with respect to the Software eement must be in writing and will be deemed mails, postage prepaid, certified or registered, er, charges prepaid to the address set forth below	g" or "e.g.," is nsor's failure to with respect to effective unless ion(s) or of the m, covenant or or in part, the ill in no way be eement or your ors and assigns. respect to the losals, whether . All notices to given as of the return receipt
I agree to the terms of this	License Agreement and desire to access the softw	are.*
Yes	No	

Yes

May 20, 2025

 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.

🕰   睹 🐌 🖴 🗕 🗸   Version_0240_Carrier - WinZip Enterprise			_	$\Box$ $\times$	
File Unzip/Share Edit	Ba	ckup Tools Settings \	/iew Help		~ <b>(</b> )
Files + Files	>	Version_0150_0	Carrier	Actions Unzip All Files	^
Browse & Manage Files	^	TSTAT Type: Folder	3/25/2020	Unzip to: \Version_02	0_Car ¥
Computer AI250394 1.66 TB free of 2.75 TB				Convert & Protect When adding files to the	
Network				🔒 Encrypt	Off
<b>S</b>				Reduce Photos	Off
• Homegroup	~			Convert Photos	Off
		1 item(s)	Zip File: 6 item(s), 4.72 MB	😪 Remove Info	Off 🗾 🗸

May 20, 2025

• 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**.

🖳 Unzip - Version_0240_Carrier.zip		
← → → ↑ 📙 « Computer A	l → USB Drive (E:) >	
New folder		
<ul> <li>3D Objects</li> <li>Desktop</li> <li>Documents</li> <li>Downloads</li> <li>Music</li> <li>Pictures</li> <li>Videos</li> <li>Windows (C:) (113 GB</li> <li>Data (D:) (113 GB free</li> <li>Backup Plus (F:) (1.44</li> <li>USB Drive (E:) (3.04 G</li> </ul>	USB Drive (E:)	
MyStuff TSTAT		
	Unzip Cancel	]

May 20, 2025

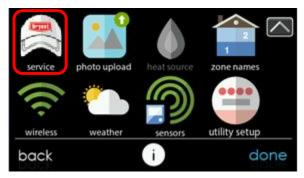
- Verify that the files, including the CINF0152.bex file, have been extracted into the TSTAT folder of the USB-C drive.
- **NOTE:** The names of the files in the images below are examples and will change with the latest version numbers.

I I I I I I I I I I I I I I I I I I I		- 🗆 X
Image: A constraint of Quick     Copy     Paste     Copy path       Paste shortcut     Paste shortcut	More Copy Detet Rename New Folder	
Clipboard	Organize New Open Select	
← → × ↑ 📙 > This PC > USB Drive	e (E:) > TSTAT	م
Recordings	Name     Date modified     Type     Size	
TSTAT	Carrier Ell A-Carrier Products 20240409 12/1/2023 10:41 AM Microsoft Edge P 326 KB	
This PC	(I) CINF0150 4/4/2024 10:35 PM BEX File 8,664 KB	
3D Objects	war mininty system Control Version 0150 Rele 6/27/2024 11:21 AM Microsoft Edge P 262 KB	
Desktop		
Documents		
Downloads		
👌 Music		
E Pictures		
🚼 Videos		
SDisk (C:)		
SDHC (D:)		
USB Drive (E:)		
TSTAT		
🛫 Marketing (\\cusiif05\secured) (K:)		
🛫 Engineering (\\cusiif06\secured) (M:)		
SDHC (D:)		
USB Drive (E:)		
Petwork	•	
3 items		8==

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.



May 20, 2025

• 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.

soft	tware update	
update software us	sing Wi-Fi	
end user license a	greement	
update software u	sing USB-C	
back	i	done

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.

update software using USB-C		
system control		
back	i	done

May 20, 2025

• 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.

software update	
software successfully upgraded to ve	rsion
131755-01.52	
i	done

May 20, 2025

• 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.