



Carrier

Crestron Home™ Driver

Base Model: Infinity

Device Type: HVAC

Version: 1.4.0

Notes & Recommendations

This driver will control the Carrier Infinity HVAC system via the SAM module interface. If you are using Carrier Infinity Touch thermostats, you must have the proper version of the SAM Module. Each SAM Module can control up to 2 handlers. Each handler can control up to 8 zones (via dampeners). On systems that are using the Touch thermostats, they have to be on the main screen saver page in order to be controlled by this driver.

An extension driver is also available to control a single zone under the HVAC category.

System Requirements and Dependencies

Hardware:

- SAM Module either SYSTXCCRCT01 or SYSTXCCRWF01 **if** the Infinity Touch thermostats are used.
- RS232 connection from the SAM Module to the Crestron processor (straight connection, eg. on Crestron's side, pin 2 is rx, pin 3 is tx, and pin 5 is ground).

Versions of applications required:

Crestron Home v3.011

Crestron Home App (on Android 5.0, on iOS 14.0, macOS: 11.0)

The driver may work with earlier versions but this was not tested.

This driver comes with a 2-hour trial license. You can purchase a full license at <https://digitalautomation.us/product/carrier-infinity-crestron-home-driver>

For additional information for this driver please visit the FAQs section on our website <https://digitalautomation.us/product/carrier-infinity-crestron-home-driver>

Installation/Upgrade Instructions

This driver is implemented using Crestron Home's Platform SDK. You first install the main gateway driver. It will ask how many zones you want to control on a particular SAM module. The "Delay Time" field is used to delay the creation of paired drivers.

Once you finish entering the information and press OK, a new folder will appear after the delay has ended under Carrier in Crestron's Platform category in **OS3**, or the Managed Platforms directory in **OS4** will appear after the delay has ended. Go into that folder and see a list of drivers (we will refer to these as paired drivers). Add these paired drivers to their respective rooms. They will ask for the System number (whether you're controlling handler one or two, you'll need to get this information from the HVAC contractor) and the Zone number (you'll also need to get this information from the HVAC contractor). It will also ask for the Zone Name, which will appear on the HVAC control page.

If you uninstall the gateway driver, it will automatically remove the paired drivers as well.

End-User Experience

Carrier Gway Settings

About Control **Installer Settings** Connections Advanced

Setup Requirements
A supported SAM module must be installed, connected, properly setup, and wired to the Crestron processor. The needed RS232 connection is a straight connection. On Crestron, that means, rx is pin 2 and tx is pin 3, with pi...

Total number of zones
Enter the total number of zones that this SAM module will control. This number should be between 1 and 16. Any value outside that range w... 1

Specify delay time
Enter the time (in seconds) before the paired drivers (aka. the room UI drivers) are created. Default should be left alone unless requested... 30

License Key
This driver comes with a default 2-hour trial license key. Please visit the Digital Automation website, www.digitalautomation.us, to purchas... XU1U-3U3Q-9F6Y-AH5T-PAU1-GUTU-GUI

OK Cancel

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Carrier Infinity Thermostat Settings

About Installer Settings Advanced

System number?
Please, enter the system number: 1 or 2. Entering any other value will be disabled. 1

Zone number?
Please, enter the zone number: 1 to 8. Entering any other value will be disabled. 2

Zone name?
Please, enter the zone name. Zone 1

OK Cancel

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Zone 1

63 °F
CURRENT TEMP
COOL

81
COOL TO

Modes

Cool	Auto
Heat	Off

Fan mode
AUTO

Auto	High
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Zone 1

63 °F
CURRENT TEMP
HEAT

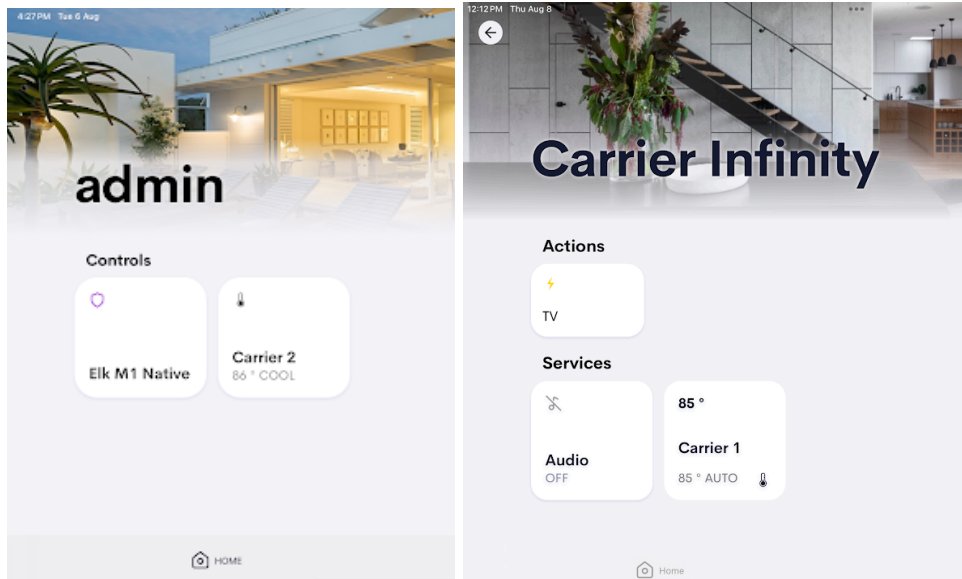
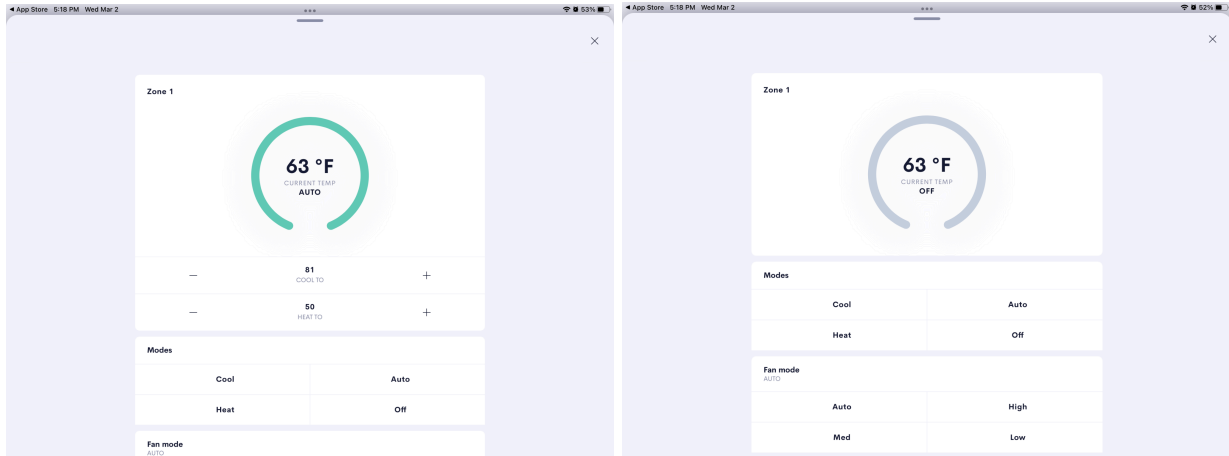
50
HEAT TO

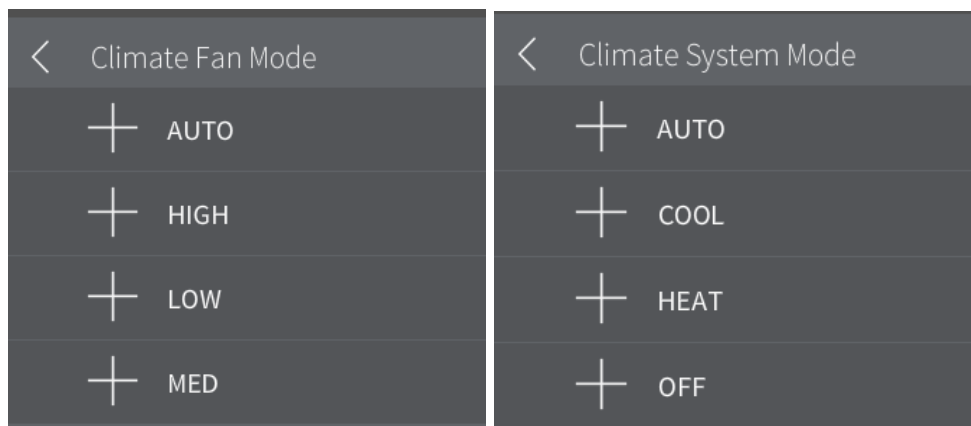
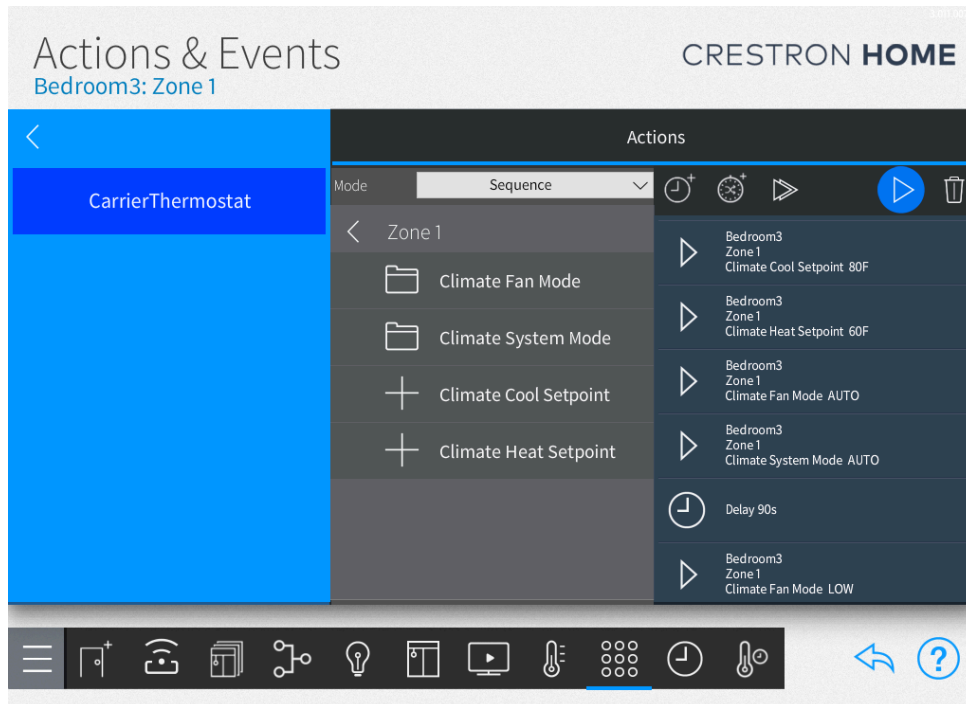
Modes

Cool	Auto
Heat	Off

Fan mode
AUTO

Auto	High
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Known Issues

If you remove a driver from a room, it will still be polling for its room information. It's recommended that before you remove a room driver, you set the system and zone to 0. Alternatively, you can also reboot the processor from within the CH setup app after removing the room driver. This is a limitation of CH.

The current temperature and icon are not shown in the tile on Android devices. This is a CH issue.

Supported Features

Modes:

- Cool
- Heat
- Auto
- Off

Setpoint Up

Setpoint Down

Tile Temperature display

Fan Speed Control

- High
- Medium
- Low
- Auto

Sequences

- Mode
- Fan
- Setpoints

Test Environment

The driver was tested with the following Crestron hardware, firmware, and software versions:

- CP4R [firmware version 2.8000.00056]
- Crestron Home [version 4.001.334]
- TSW-770 [firmware version 1.006.0019, Crestron Home version 1.19.10+tr]

Supported Models

Carrier Infinity

Contact Information

If you have any questions please contact us at drivers@digitalautomation.us

Version History

1.0.0

3/1/2022

- Initial release

1.1.0

3/18/2022

- Actions & events added

1.3.0

3/25/2022

- Added activity detection.
- Crestron Home sequences added
- Updated polling sequences and minimum time between commands.
- Updated feedback parsing logic.

1.3.1

2/27/2024

- Timer added to delay the creation of the paired drivers.

1.3.2

3/4/2024

- Timer delay field added to Installer settings.

1.4.0

8/8/2024

- New features added. Added the option to display the tile in the room or in the home screen.
- New features added. Added the current temperature and system mode to the driver tile.

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