Carrier

Crestron Home™ Driver

Base Model: Infinity
Device Type: HVAC
Version: 1.4.2

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.

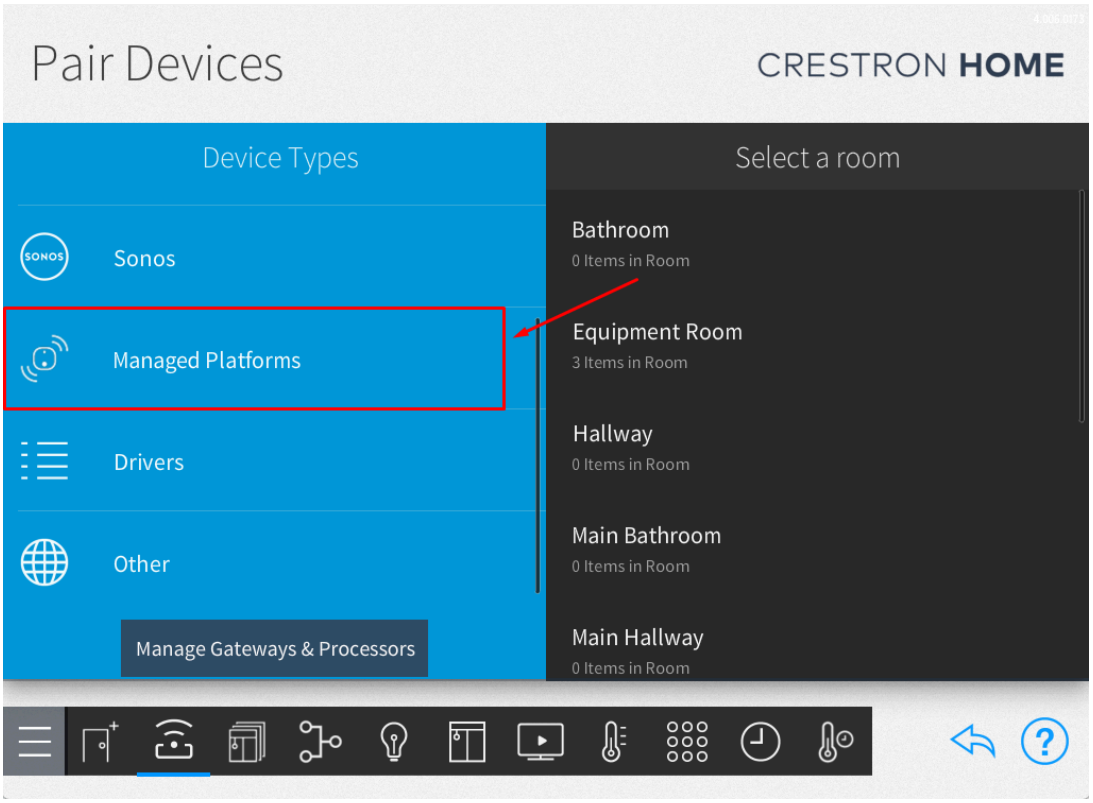
This driver comes with a 2-hour trial license. You can purchase a full license at https://digitalautomation.us/product/carrier-infinity-crestron-home-driver

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

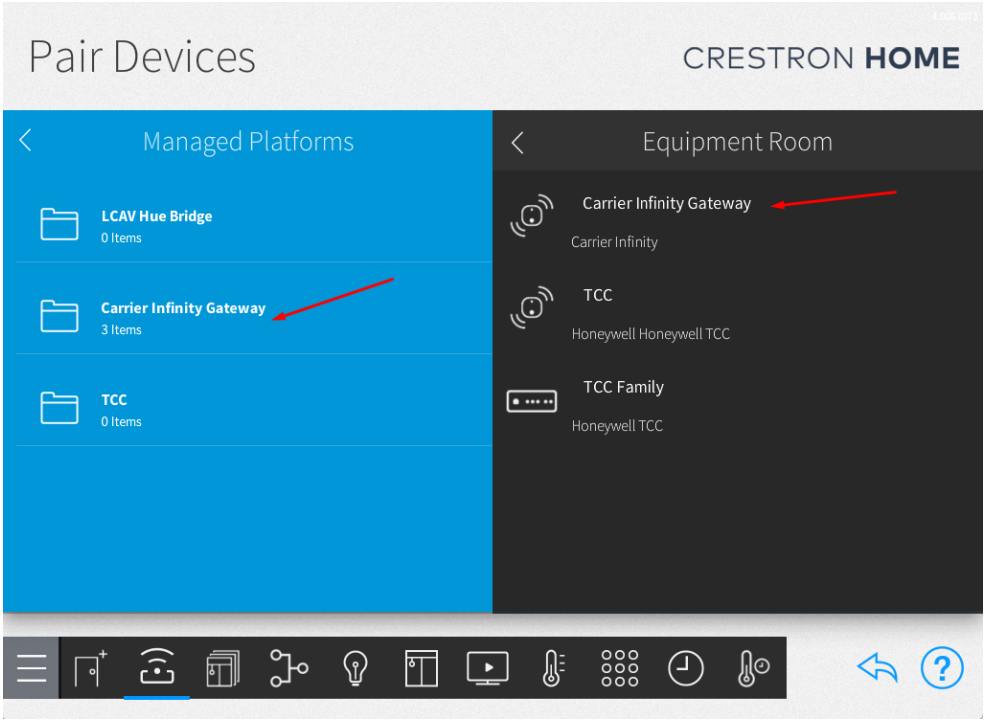
This driver is implemented using Crestron Home's Platform SDK. You first install the main gateway driver. It will ask how many zones you want to control on a particular SAM module. The "Delay Time" field is used to delay the creation of paired drivers.

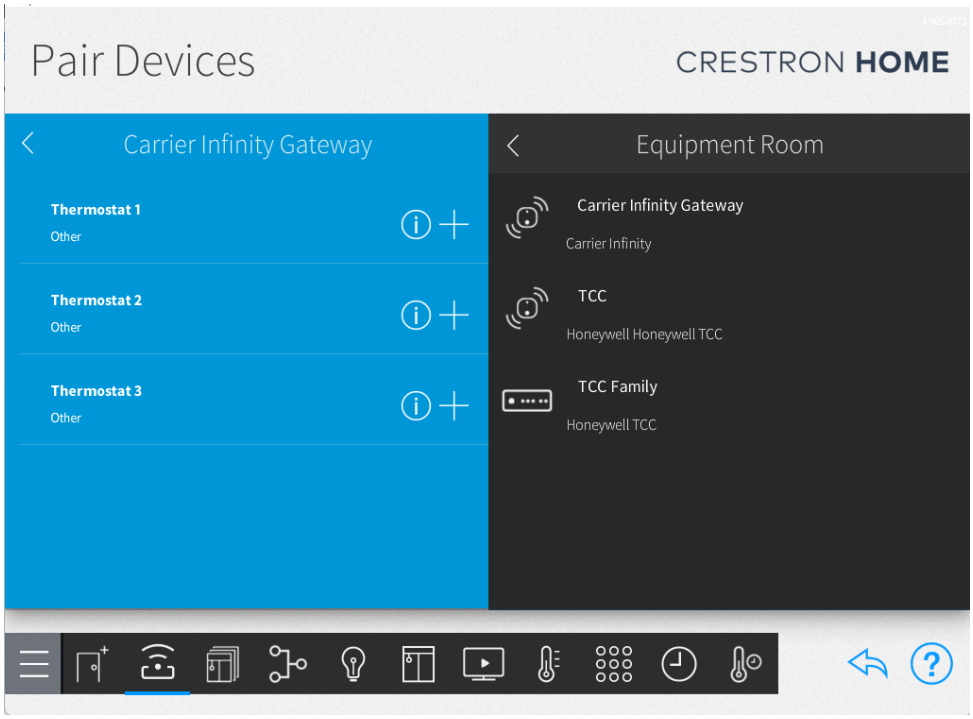
Once you finish entering the information and press OK, a new folder will appear after the delay has ended under Carrier in Crestron's Platform category in **OS3,** or the Managed Platforms directory in **OS4** will appear after the delay has ended. Go into that folder and see a list of drivers (we will 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.



Managed Platforms location on OS4.

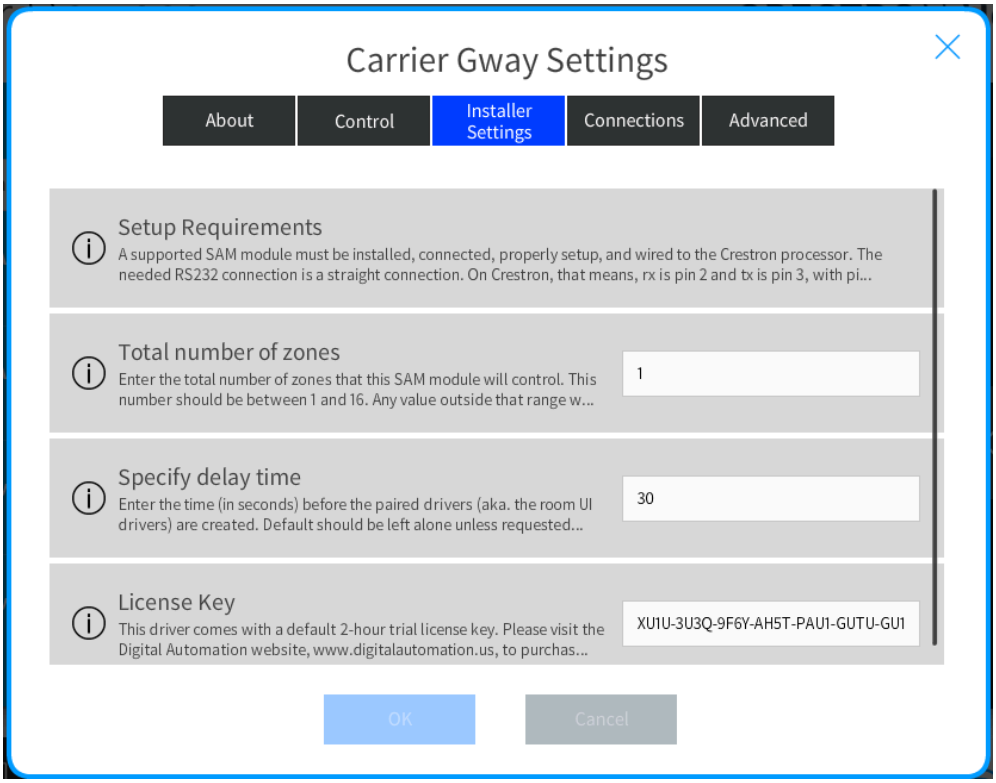
The platform directories will be displayed inside the Managed Platforms directory.

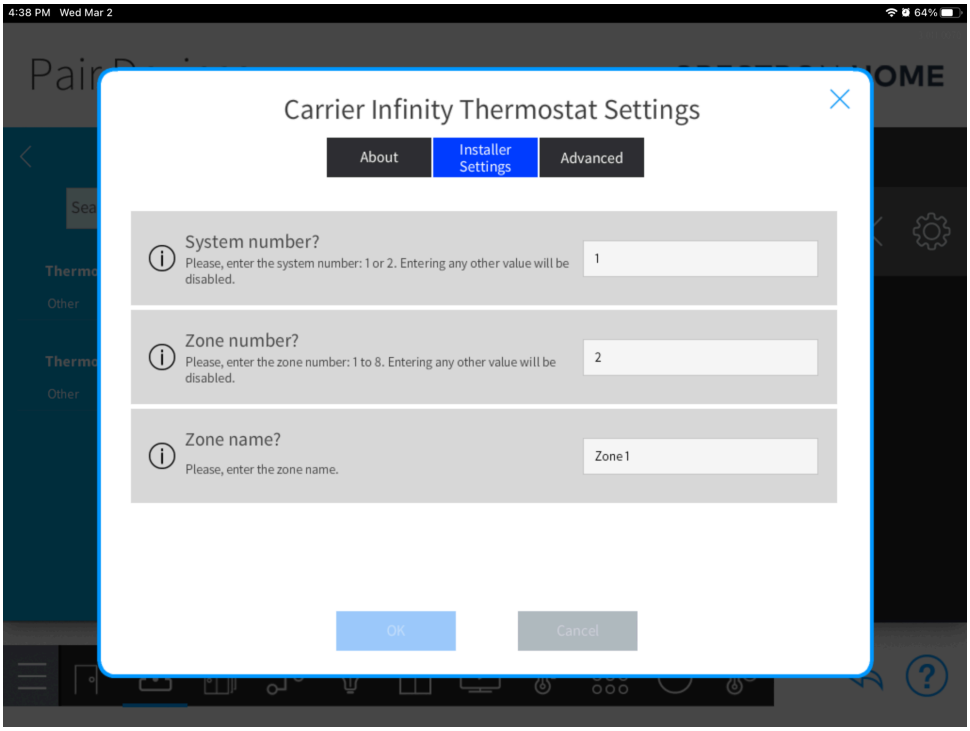


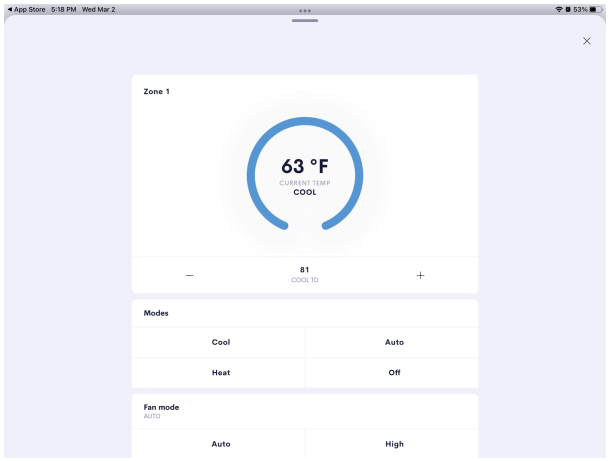


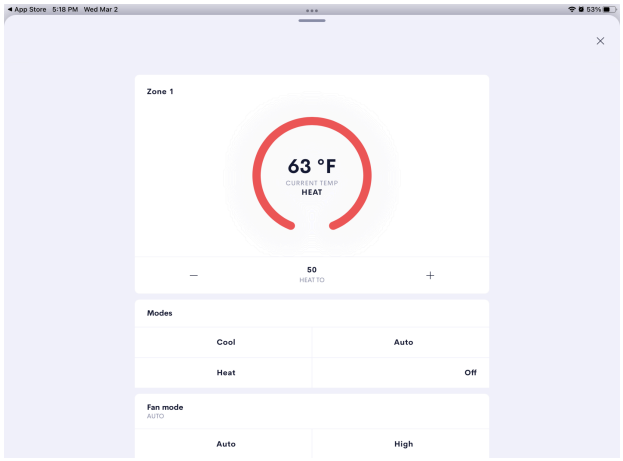
If you uninstall the gateway driver, it will automatically remove the paired drivers as well.

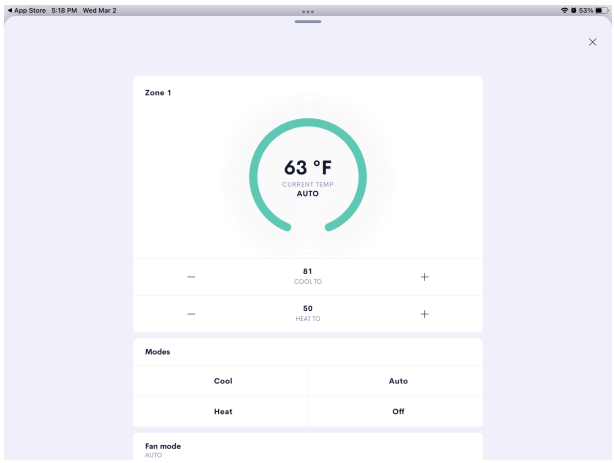
End-User Experience

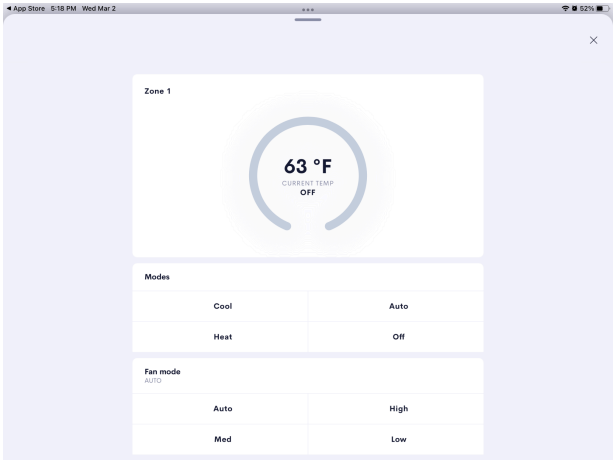


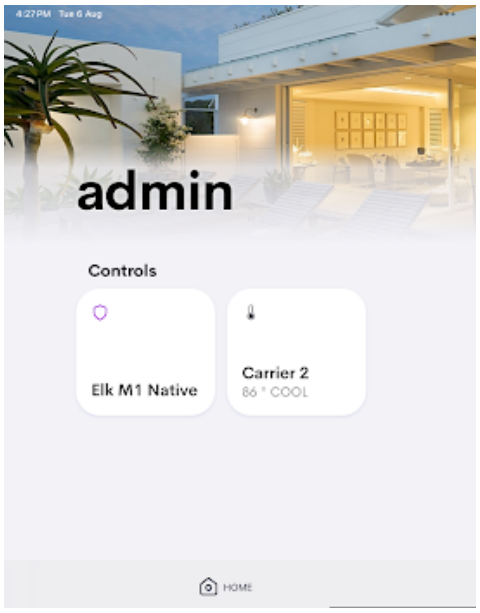


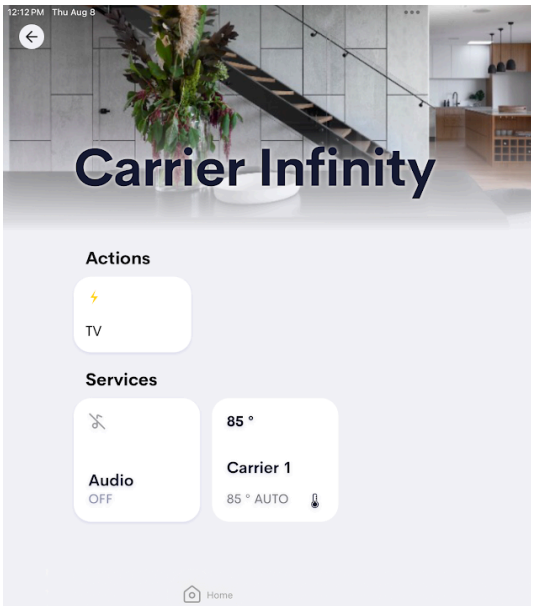

Zone 1
63 °F
CURRENT TEMP
COOL
81
COOL TO
Modes
Cool
Auto
Heat
Off
Fan mode
AUTO
Auto
High

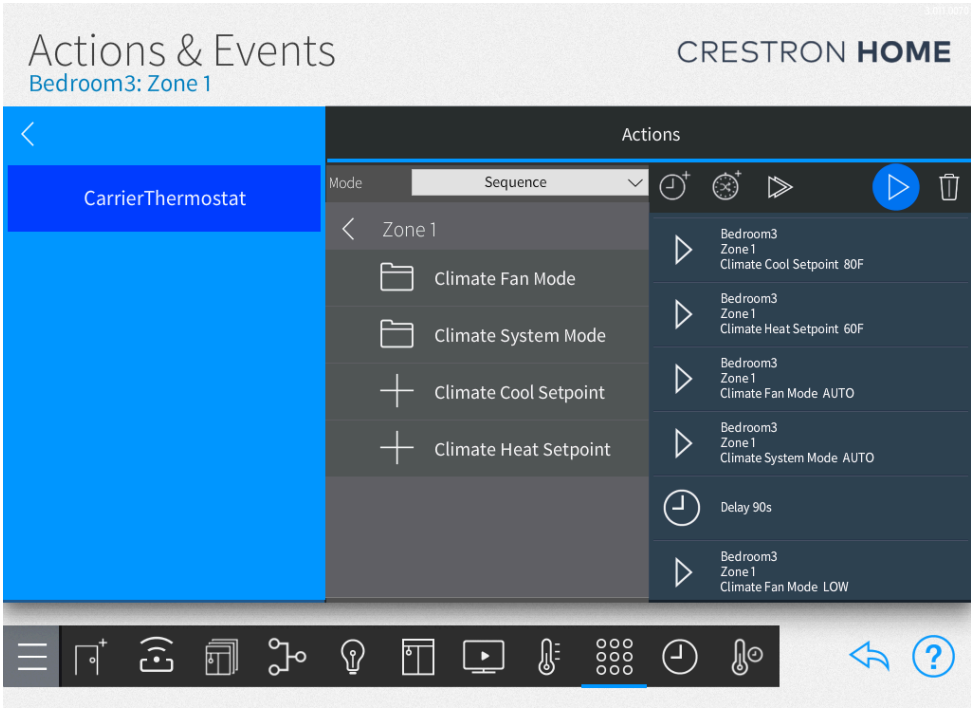

Zone 1
63 °F
CURRENT TEMP
HEAT
50
HEAT TO
Modes
Cool
Auto
Heat
Off
Fan mode
AUTO
Auto
High

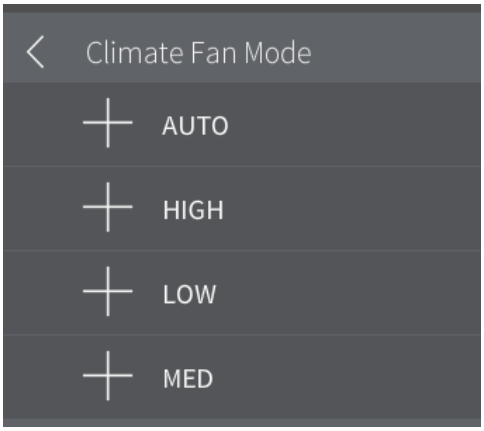

Zone 1
63 °F
CURRENT TEMP
AUTO
81
COOL TO
50
HEAT TO
Modes
Cool
Auto
Heat
Off
Fan mode
AUTO

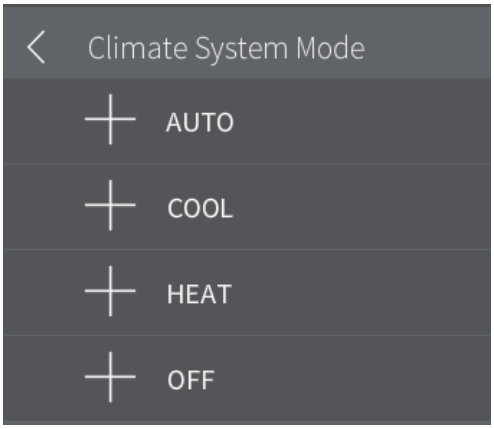

Zone 1
63 °F
CURRENT TEMP
OFF
Modes
Cool
Auto
Heat
Off
Fan mode
AUTO
Auto
High
Med
Low


admin
Controls
Elk M1 Native
Carrier 2
86 ° COOL
HOME


Carrier Infinity
Actions
TV
Services
Audio
OFF
85 °
Carrier 1
85 ° AUTO
Home


Actions & Events
Bedroom3: Zone 1
CRESTRON HOME
CarrierThermostat
Actions
Mode
Sequence
Zone 1
Climate Fan Mode
Climate System Mode
Climate Cool Setpoint
Climate Heat Setpoint
Bedroom3
Zone 1
Climate Cool Setpoint 80F
Bedroom3
Zone 1
Climate Heat Setpoint 60F
Bedroom3
Zone 1
Climate Fan Mode AUTO
Bedroom3
Zone 1
Climate System Mode AUTO
Delay 90s
Bedroom3
Zone 1
Climate Fan Mode LOW


Climate Fan Mode
AUTO
HIGH
LOW
MED


Climate System Mode
AUTO
COOL
HEAT
OFF

Known Issues

- If you remove a driver from a room, it will still poll for room information. Before you remove a room driver, 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.
- Possible communication issues using the Crestron CEN-IO-COM modules

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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 2.8000.00057]
- Crestron Home [version 4.012.0194]
- TSW-770 [firmware version 1.006.0019]
- Crestron Home [version 4.12.16+pr]

Supported Models

Carrier Infinity

Contact Information

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

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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

- Added a timer 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: the current temperature and system mode to the driver tile, and the option to display the tile in the room or on the home screen.

1.4.1

9/23/2026

- Upgraded Crestron library dependencies.

1.4.2

11/9/2026

- Trial license key removed from the installer settings. The 2-hour trial period is selected when the entry is empty.

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