

CINEAK SERIAL CONTROL DRIVER FOR CRESTRON HOME

Revision: 1.02

Date: 14 February 2025

SUPPORTED INSTALLATION

The driver is designed to integrate Cineak cinema chairs for Crestron Home.

MODULE DESCRIPTION

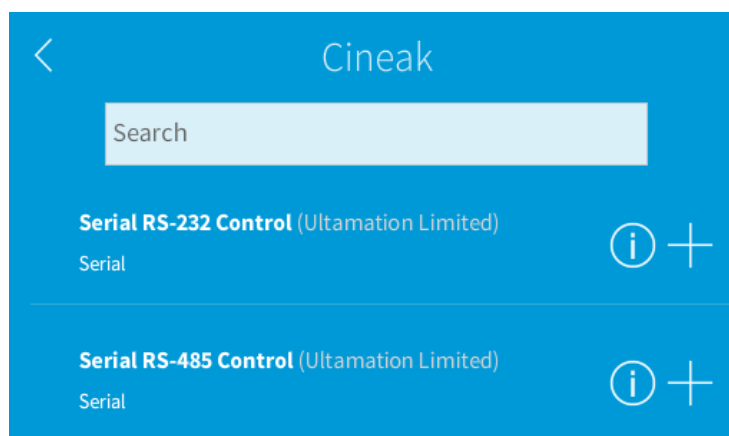
The driver provides control of Cineak cinema chairs via the Crestron Home extension tile using a serial com port. Although the Cineak cinema chairs communicate over RS485, there are two versions of the driver, RS-232 and RS-485. The reasons for this are that some Crestron Home processors do not support RS-485 and under these circumstances you will need to use the RS-232 version of the module, plus a separate hardware RS-232 to RS-485 interface (not provided by Ultamation). For processors that do support RS-485 natively, the processor can be wired directly to the chairs using a 2-core cable. Please refer to the processor's documentation for the appropriate wiring.

Being RS-485, a single driver instance can control multiple chairs connected to the serial bus. Multiple RS-485 busses (chairs connected via different busses) will require multiple RS-232/RS-485 ports and a separate instance of the driver for each, but only a single licence purchase is required for all driver instances on a single processor. Also, the same licence is valid for both driver versions.

The driver does not require an active Internet connection to function, but licencing is activated initially via a cloud connection. See "Licencing" below for more details.

The drivers can be found under:

Drivers > Custom Device > Cineak



Adding the Driver

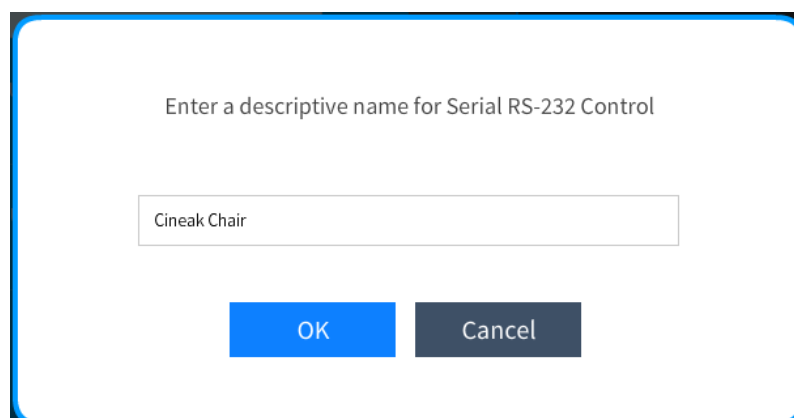
Ensure a room is selected, and then click on the '+' against the appropriate device.

The driver does not need to be added to the same room as the physical chairs – in many situations, it can be added to a hidden "Equipment" room and controlled via automated events. Adding the driver to a customer-visible room will provide them with a "tile" for global control of the chairs (see below).

You will be asked to provide a descriptive name – this can be anything you wish. You will also need to specify the com port for the controllers.

The device will be added to your system, and you will be asked to complete a couple of other details.

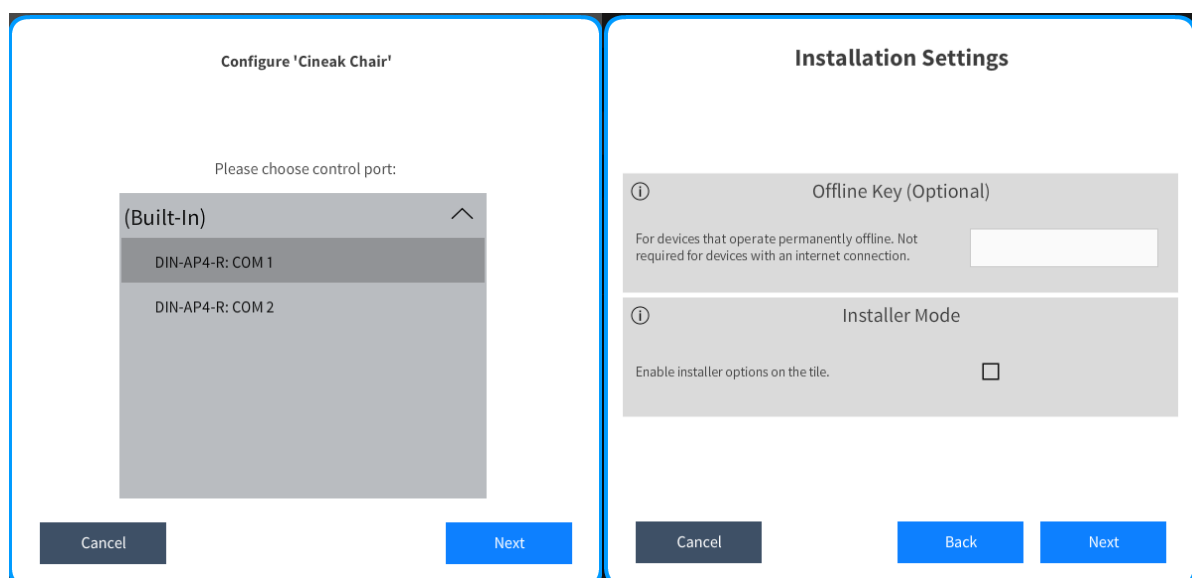
- ✿ An optional "offline" key can be request under special circumstances. Please FIRST refer to the "Licencing" section below and then contact support@ultamation.com if you REQUIRE offline activation. The same offline key can be used for multiple driver instances in the same system.
- ✿ There is also an installer mode which can be enabled. This will provide access to a calibrate button on the UI tile. This button can be hidden by simply going to the installation settings again and unticking the installer mode option.



Enter a descriptive name for Serial RS-232 Control

Cineak Chair

OK Cancel



Configure 'Cineak Chair'

Please choose control port:

(Built-In) ^

DIN-AP4-R: COM 1

DIN-AP4-R: COM 2

Cancel Next

Installation Settings

① Offline Key (Optional)

For devices that operate permanently offline. Not required for devices with an internet connection.

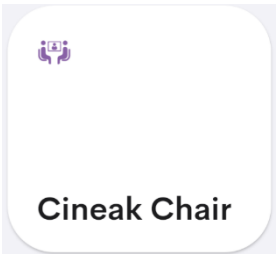
① Installer Mode

Enable installer options on the tile. ☐

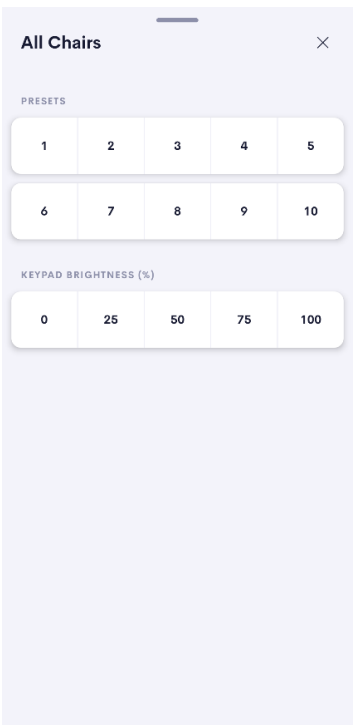
Cancel Back Next

If you do not have a cloud licence and do not enter a valid offline licence key, the system will function for ONE hour and then control will be suspended. The offline licence key can be entered at any time after initial setup without having to reconfigure each tile.

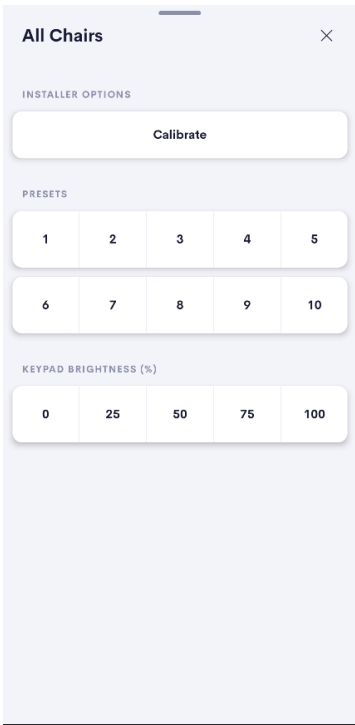
Once added, the tile will show in the selected room.



The Tile



The Layout (without installer mode)



The Layout (with installer mode)

Pressing a preset button will recall the corresponding preset for ALL chairs. Likewise, pressing a keypad brightness button will set the corresponding brightness percentage for the keypads on ALL chairs.

Actions

Each instance of the driver has programmable actions that can be used to control all or individual chairs on a circuit.



Addresses must be given in hexadecimal format. FF will target all chairs.

The address is set on each chair using the selector on the motor controller. Addresses are 0-based.

Presets are also 1-based. (Range: 1-10)

The available actions are:

Action Name	Parameters	Description
Calibrate	Chair Address	Triggers the calibration action.
Close Motor A	Chair Address	Moves motor A to fully closed.
Close Motor B	Chair Address	Moves motor B to fully closed.
Close Motor C	Chair Address	Moves motor C to fully closed.
Keypad Brightness (%)	Chair Address, Brightness Percentage	Changes the keypad brightness to the specified percentage.
Keypad LED Duration	Chair Address, Duration	Changes the keypad's LED duration. The options are Always on, 2 hours, and 4 hours.
Open Motor A	Chair Address	Moves motor A to fully open.
Open Motor B	Chair Address	Moves motor B to fully open.
Open Motor C	Chair Address	Moves motor C to fully open.
Recall Preset	Chair Address, Preset Number	Recalls the specified preset.
Reset	Chair Address	Resets all the motor positions.
Save Preset	Chair Address, Preset Number	Saves the current motor positions to the specified preset.
Stop Motor	Chair Address	Stops all the motors at their current position.

SUPPORT

If you have any issues with a driver or installation please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

LICENCING

This driver (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The driver is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the driver's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this driver and this will be a separate, purchasable, product.

CLOUD LICENCE

This driver contacts Ultamation's licencing server at startup. If the server finds a matching licence for the driver and processor then the driver will be licenced. Otherwise, the driver will check the offline licence key. If you purchase a licence AFTER you have loaded the driver, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the driver **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the driver will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

To request an OFFLINE key, please contact support@ultamation.com with your order details and a brief explanation why you REQUIRE offline activation. Ultamation reserve the right to refuse offline activation.

NOTE: Once an offline key has been issued no further licence changes will be granted. Moving the product to a new processor will require an additional licence purchase.