

ULTAMATION UC-DMX-200 CIRCADIAN DRIVER FOR CRESTRON HOME

Revision: 2.00

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CRESTRON HOME ONLY

This document describes the configuration of the UC-DMX-200 Extension Drivers for Crestron Home only. For control of the UC-DMX-200 using the SIMPL programming environment, please refer to the specific SIMPL modules and associated documentation.

ADDITIONAL READING

Please refer to the Using 3rd Party driver document for instructions on installation and configuration of the driver with Crestron Home.

MODULE DESCRIPTION

The extension modules provide control of the UC-DMX-200 from the standard Crestron Home user interface via the powerful Extensions Device framework. A single driver is used to present a tile which provides quick actions over specific UC-DMX-200 Circadian functionality.



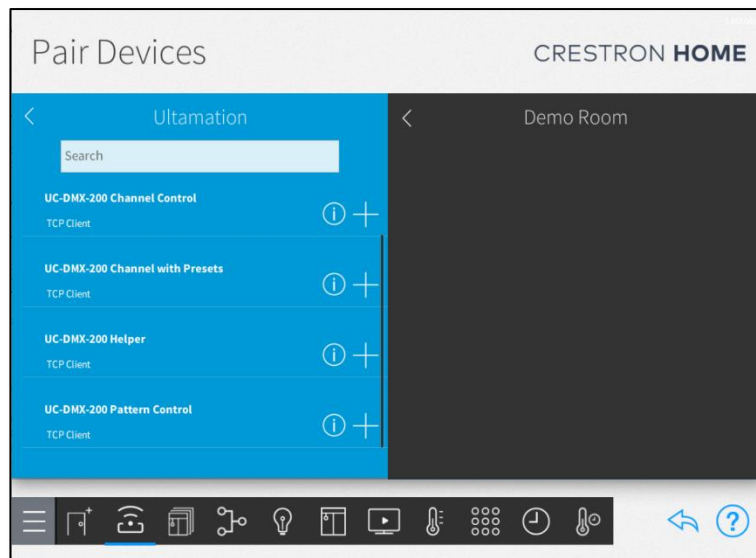
Circadian Control

This allows a homeowner to turn set a lighting fixture (or any other DMX controlled function) to follow a set range of Cool White and Warm white values throughout the day. Many studies have shown the benefits of aligning artificial lighting with the natural colour temperature of sunlight during the day. People have evolved to synchronise their Circadian Rhythms with natural sunlight and by artificially replicating this process we can maintain our own internal clocks in order to sleep better at night and function better throughout the day.

Adding a UC-DMX-200 Circadian Extension Device

After importing the driver, the UC-DMX-200 Circadian Control tile will be found under:

Devices > Lights > Ultamation



Adding the Tile

Ensure a room is selected, and then click on the '+' against the UC-DMX-200 Circadian Control.

You will be asked to provide a descriptive name for the tile – this can be anything you like – and the TCP address of a UC-DMX-200. This should be a fixed address, but multiple UC-DMX-200s are supported on different addresses.

The IP Port should normally be left at the default value unless you have configured your UC-DMX-200 specifically to use a different control port.

Requires Authentication should be left unchecked.

TCP/IP settings	Value
IP Address / Host Name	192.168.x.x
IP Port	13255

The device will be added to your system and you will be asked to enter some more settings. These settings determine what function the tile will provide and give the tile "device" (more a virtual device than a physical instance since multiple tiles will, actually, share the same UC-DMX-200 device) important parameters for the channels to control.

Circadian Control

Installation Settings

① **Base DMX Channel**
The starting DMX channel (1-512).

① **Channel Configuration**
The Channel Configuration (See Documentation)

For setting up a the Circadian driver to control your lighting system:

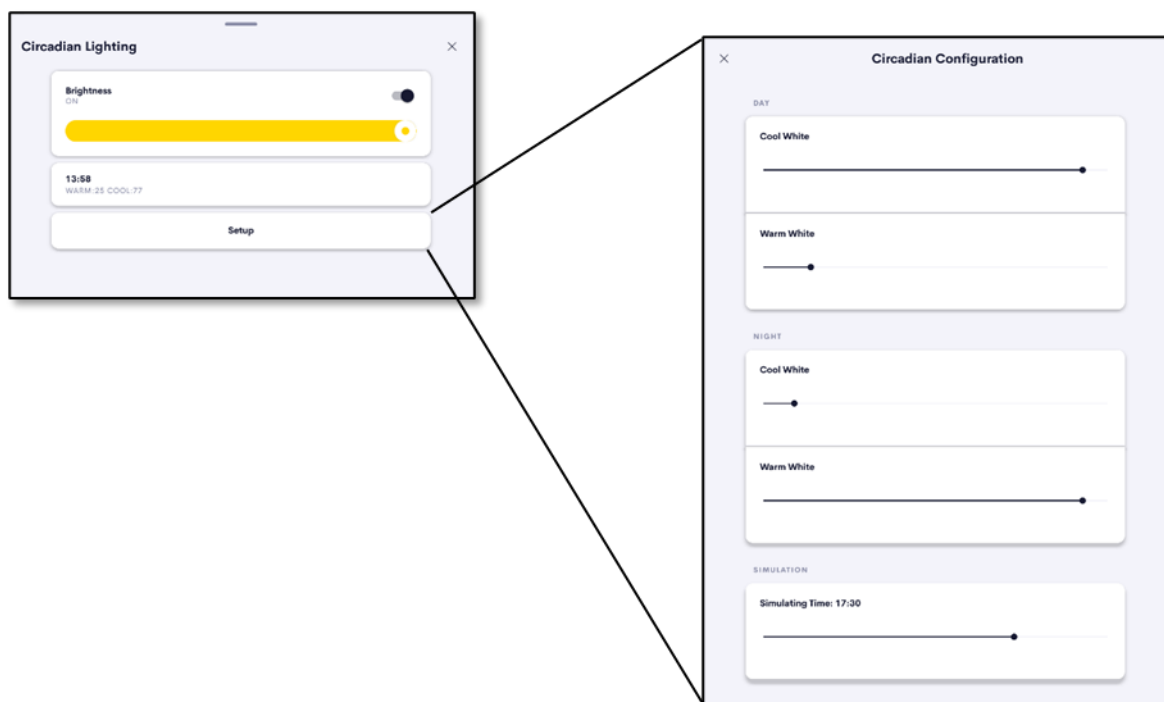
In this case, the essential parameters are:
Base DMX channel – this is the starting channel for the control.

Channel Configuration – Enter a comma separated list of channel types. These are input as: w for warm white, c for cool white, b for brightness and 0 for unused.

In the example setup on the left, the DMX control starts at Channel 7. The first channel is unused, so 0 is input followed by a Cool White channel and a Warm white Channel.

This reads as 0,c,w. If you do not have a specific channel for Brightness (input as b) then the brightness value will automatically be used to scale the Cool White and Warm White values instead. If the input format doesn't match the accepted standard, the tile will not work.

Once configured, a tile will be displayed in the assigned room within the Crestron Home UI as shown below.



QUICK ACTIONS & SEQUENCES

A number of functions are exposed to sequences via Crestron Home's quick actions.

Circadian Tiles

-  All Channels Off
This sets all channels to 0 and stops the circadian tile from running further updates.
-  Run Circadian Function
This will turn on the channels and begin running the Circadian Loop which updates the values every minute.

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

This module (including software, images and any, and all other associated assets distributed as part of the download package) is copyright Ultamation Ltd but is provided free of charge for use with the UC-DMX-200 hardware device. It is ONLY compatible with the Ultamation UC-DMX-200 Ethernet DMX controller.

The module 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 module's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this module.