

ULTAMATION UC-DMX-200 CHANNEL WITH PRE-SETS DRIVER FOR CRESTRON HOME

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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 Channel functionality.



Channel Control

This allows a homeowner to turn set a lighting fixture (or any other DMX controlled function) to a given level, and then recall those levels at the touch of a button, or set them or "off".

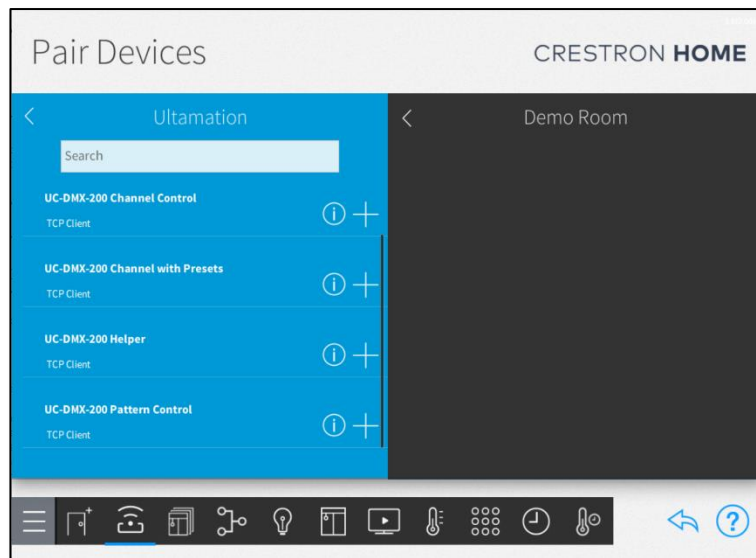
The tile allows for any number of channels from 1 to 10 and these can be given custom labelling to suit the specific DMX channel use.

The channel settings can be repeated across a block of DMX channels to that multiple devices can be controlled simultaneously. This does require careful planning of DMX addressing.

Adding a UC-DMX-200 Channel with Pre-sets Extension Device

After importing the driver, the UC-DMX-200 Channel 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 Channel with Pre-sets.

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.

Enter a descriptive name for UC-DMX-200 Pattern

Ocean Wash

Please enter TCP/IP settings:

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

Requires Authentication: ☐

OK Cancel

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.

Channel Preset Control

For controlling one or more (up to 10) consecutive DMX channels in a block: Which can then be mapped to a preset action button and stored.

In this case, the essential parameters are identical to the Channel Tile:

Base DMX channel – this is the starting channel for the control,

Channel Labels – Enter a comma separated list of channel labels, such as “White” or “Red,Green,Blue” or even “Wheel Speed,Sparkle,Intensity” depending on what your DMX device requires.

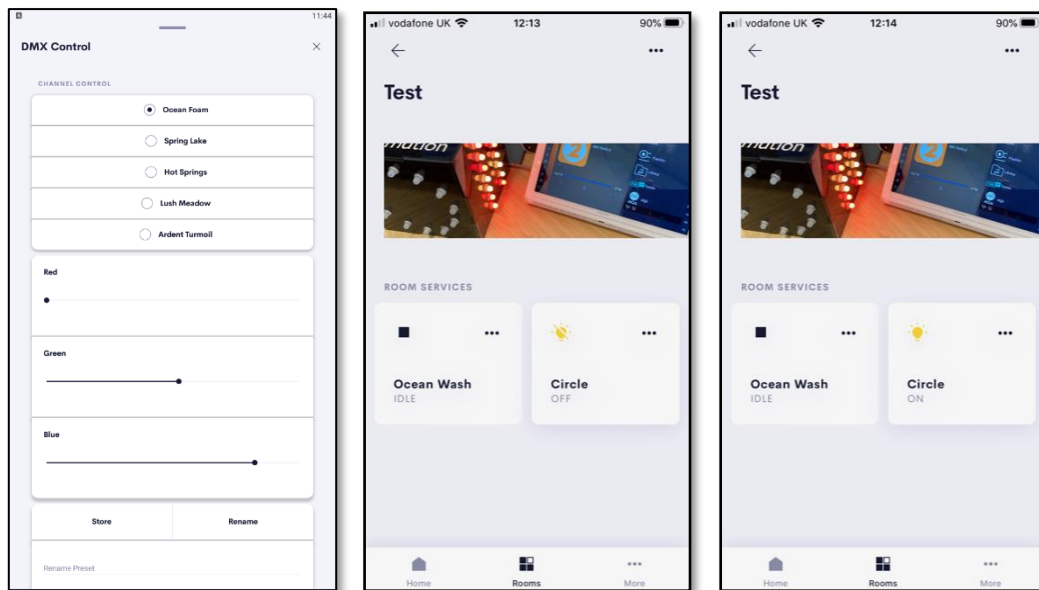
Repeat – The final parameter is the channel “Repeat”. This defaults to a single fixture, but can be increased to provide control of multiple, adjacent, fixtures. For this to work, each fixture **MUST** be addressed at the

next available channel.

For example, if you have 4 RGB fixtures with the first addressed at address 21, the 2nd MUST have address 24, the 3rd address 27 and the fourth address 30. This will allow a single tile to control all 4 fixtures as a single block, while a pattern generator could play a colour sequences across them individually.

You can also define tiles which overlap.

Once configured, a tile will be displayed in the assigned room within the Crestron Home UI as shown below. You can see the five action pre-set buttons in the images below, which can be renamed using the text box below. The channel values can be stored and recalled later using the button at the bottom of the tile ui.



QUICK ACTIONS & SEQUENCES

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

Channel Tiles

-  All Channels Off
 This sets all channels in the tile preset to 0. This will also stop any pattern that overlaps with the channel range, to ensure a running pattern doesn't restore channel values. This is equivalent to pressing the channel to "Off".
-  Recall Channel Preset
 This will set the channel range to the values stored under the tile pre-sets. There are 8 pre-sets to choose from.
-  Set Channels (Percent)
 This is a special action that can be used to set the channels to specific values, defined as percentages. This action requires a parameter called "Channel Values" which should be a comma separated list of channel values. E.g. 100,0,0 would, if applied to a collection of RGB fixtures, set the sequence of channels to full red. The second parameter is a repeat count, which will duplicate the channel levels across consecutive channels.
-  Set Channels (Absolute)
 This is a special action that can be used to set the channels to absolute values. This should be used where you need to set a specific value on a DMX channel – for things such as modes. This action requires a parameter called "Channel Values" which should be a comma separated list of channel values. E.g. 1,2,3. The range for each value should be an integer in the range 0-255.

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.