

Introduction

Within Designer, there are a number of presets that are available to create lighting looks for your installation, but should these not fit your design, it is possible to create custom presets.

Custom Presets use a Lua script to define an effect that can be played back on a Matrix. Custom Presets are managed using the Mapping window.

It is possible to write your own with an understanding of how the scripting works, details can be found in the Designer Help > Reference > Scripting > Custom Preset Programming Guide.

It is also possible to import pre-written custom presets such as this one.

Multi-Waves

The Multi-Waves Custom Preset can be used to create up to four sine waves moving across the matrix. Each wave can be configured with their frequency, amplitude, colour, thickness and direction to get the effect that is required.



Adding the Custom Preset to your Project

To import the Custom preset to your project, you will need to ensure that Custom Presets are enabled in your project:

- Go to the Project mode within Designer
- Choose the Project Features tab near the top
- Locate the Custom Preset Editor option and set it to enabled.

Now you can add the custom preset to the project:

- Go to the Mapping Mode
- Locate the Custom Presets tab on the right hand side
- Select New

At this point you have three options:

- Import the *.lua file
- Copy the contents of the *.lua file into the editor
- Create a custom preset from scratch

Once you have added the script to create your custom preset, you can click save in the bottom right and the preset will be added to the project.

Using the Custom Preset

To use the Custom Preset, you will need a Pixel Matrix within the project.

These can be easily created from the Layout by selecting the required fixtures and choosing the New Pixel Matrix button from the top of the fixture browser (on the left hand side).

Now that you have a Pixel Matrix, go to the Timeline Mode.

In the top-right corner there should be a tab called Custom. This will contain any Custom Presets that exist in your project.

You can now drag and drop the Custom Preset onto any Pixel Matrices on the Timeline.

Multi-Wave Properties

Alongside the standard preset properties, this Custom Preset has the following properties:

- Background - The background colour for the effect
- The following are repeated for each of the 4 waves
- Gradient - The gradient to apply to the thickness of the wave, this allows feathering or hard edges of the wave
- Phase - The starting angle of the wave (0-360)
- Amp (Amplitude) - The height of the wave relative to the matrix (0-1)
- Freq (Frequency) - The number of oscillations of this wave to display on the matrix
- Active - Check to enable this wave
- Thickness - the number of pixels height that the wave displays on (the gradient is mapped onto the wave on the Y axis)