Cameo_Pixbar650CPro

This is another example for creating a vis file (old visualiser personality) from a d4 file (Titan personality). The fundamentals are described in Creating vis files from d4 personalities. Here, only the little details are explained.

- this fixture has subfixtures (cells) - a feature neither the classic consoles nor the visualiser support
- instead, we build a vis personality which at least shows cell #1 so that we have an impression if the fixture should work
- colour temperature control is not supported
- patterns and sound are not implemented in the visualiser (they are in no visualiser I know of)

Apart from that it works reasonably well in the visualiser.

The DMX table:

(full DMX tables are in the manual which is included in the zip below)

| 9-CH Mode	CLPIXBAR450CPR0 / CLPIXBAR650CPR0				
CH1	Dimmer	000	-	255	Master Dimmer 0-100%
CH2	Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Puls Random, slow -> fast
		034	-	056	Ramp up Random, slow -> fast
		057	-	079	Ramp down Random, slow -> fast
		080	-	102	Random Strobe Effect, slow -> fast
		103	-	127	Strobe Break Effect, 5s.....1s (Very Short Flash)
		128	-	250	Strobe slow -> fast 0Hz - 20Hz
		251	-	255	Strobe open
CH3	Red	000	-	255	0% to 100%
CH4	Green	000	-	255	0% to 100%
CH5	Blue	000	-	255	0% to 100%
CH6	Colour Macro (override RGB)	000	-	005	Colour off
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
		038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
		062	-	069	Blue
		070	-	077	Lavender
		078	-	085	Mauve
		086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	128	Colour Jumping Stop
		129		192	Colour Jumping Speed slow -> fast / Colour 1 -> 12
		193	-	255	Colour Fading Speed slow -> fast / Colour 1 -> 12
CH7	Colour Temperature	000	-	005	off
		006	-	255	cold to warm
		000	-	005	Pattern off
		006	-	023	Dream

Most importantly, when setting the Classic Pearl References in the Personality Builder, we also need

to add the attributes to the respective Compatibility Attributes sections of the multicell modes as this is where R20 and VIS files are created from:

- check Classic Pearl References as described
- add references for the 26ch and the 30ch modes (I used UKCM65C5 and UKCM65C6)
- unfold both modes (left panel)
- click on Compatibility Attributes (left)
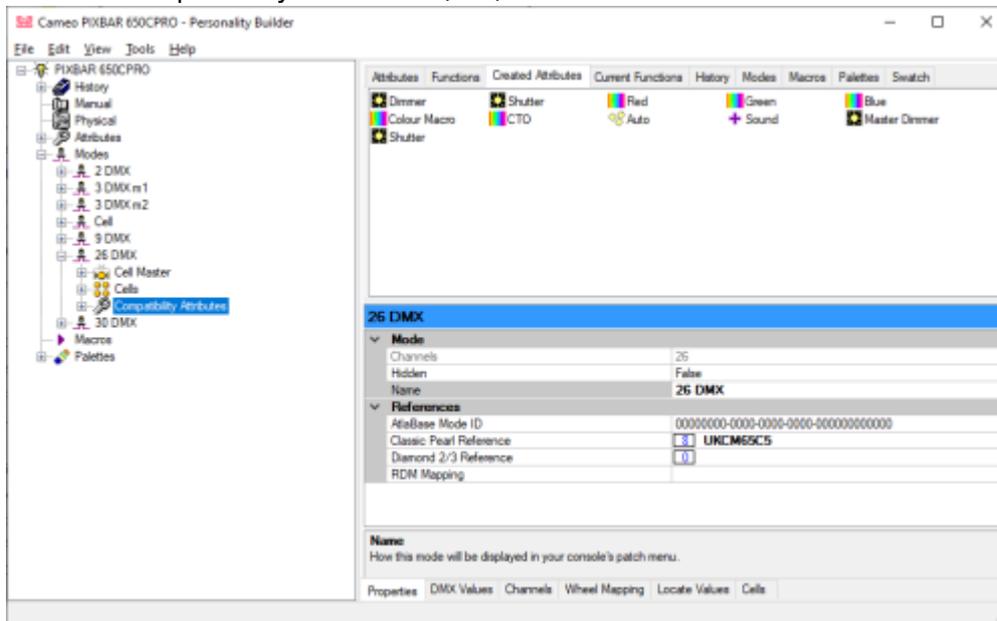
- top-right, in the Created Attributes tab, doubleclick on the attributes you want in that mode (26ch: Dimmer, Shutter, Red, Green, Blue; 30ch: Dimmer, Shutter, Red, Green, Blue, Colour Macro, CTO, Auto, Sound) - the attributes are assigned channels in the order you add them, thus adding in the correct order makes life easier
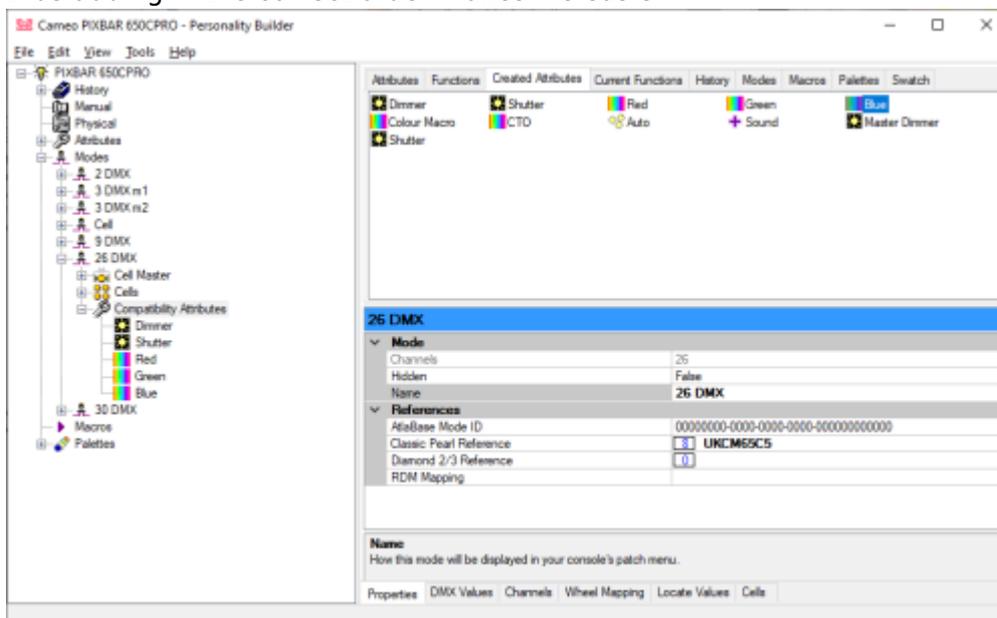

The coubleclick adds each attribute to the selected mode (here: compatibility attributes). Alternatively you can drag and drop the attributes there.

- now we need to check/correct the channels for each Compatibility Attributes section. Click on Compatibility Attributes (left), then on the tab Channel (bottom right). Check (and correct) the channel offsets as required,
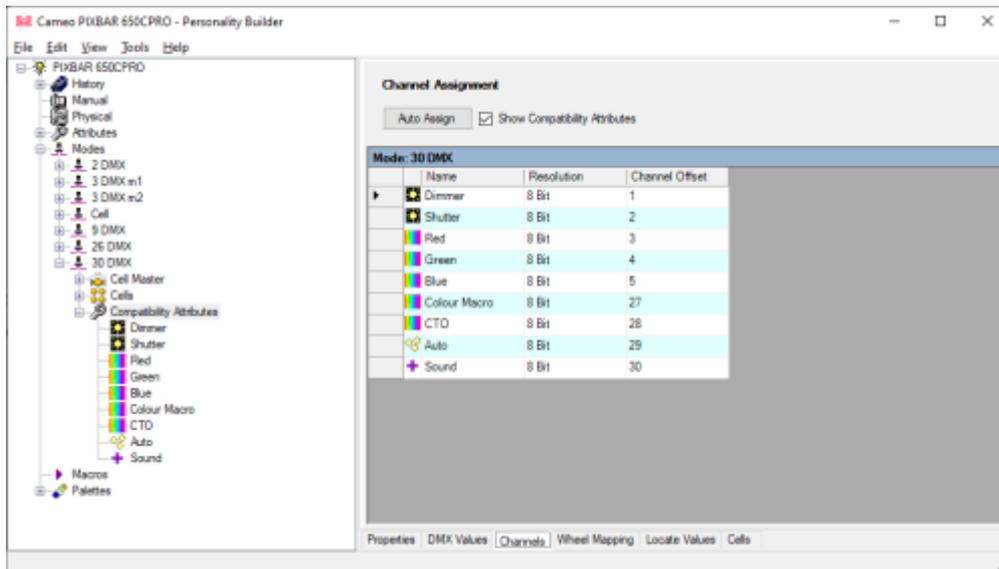
Now you can proceed with generating R20 and VIS files as described.

In between generating the files you'll get the error message
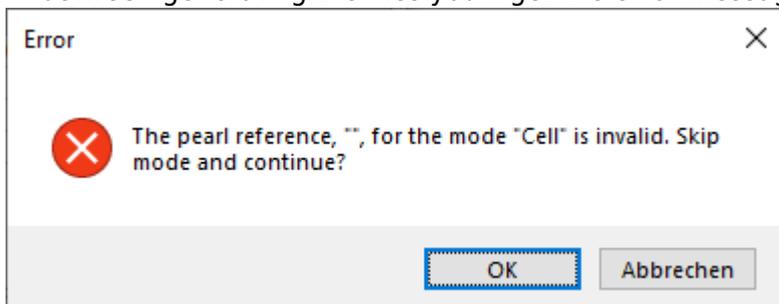
This is normal as we don't need R20 and VIS files for the hidden Cell mode. Click OK to skip and continue.

Checking and editing the VIS files is straight-forward - simply adjust the DMX ranges, add missing ranges, change some fixed colour ranges to colour scroll ranges:

- m1 - 2ch (UKCM65C1.VIS)
    - Color Wheel 1: adjust 1st range, change last ranges to speed (color change)
- m2 - 3ch (UKCM65C2.VIS)
    - Shutter: adjust range dmx end
    - Color Wheel 1: adjust 1st range, change last ranges to speed (color change)
- m3 - 3ch m2 (UKCM65C3.VIS) not in DMX chart, seems to be okay for RGB, leave it untouched
- m4 - 9ch (UKCM65C4.VIS)
    - Shutter: adjust range dmx end, add last Open range (251~255)
    - Color Wheel 1: adjust 1st range, change last ranges to speed (color change)
    - CTO/Color Wheel 2: adjust range dmx end
- m5 - 26ch (UKCM65C5.VIS)
    - Shutter: adjust range dmx end, add last Open range (251~255)
- m6 - 30ch (UKCM65C6.VIS)
    - Shutter: adjust range dmx end, add last Open range (251~255)
    - Color Wheel 1: adjust 1st range, change last ranges to speed (color change)
    - CTO/Color Wheel 2: adjust range dmx end

Example: changed Shutter definition:

```
// Shutter
ChanRef Dimmer
    Vismode Strobe
    UseBits 1 2 3 4 5 6 7 8
    DmxOffset 2
    Mapping 0 5 1 1
    Mapping 6 10 0 0
    Mapping 11 33 30 300
    Mapping 34 56 1 1
    Mapping 57 79 1 1
    Mapping 80 102 30 300
    Mapping 103 127 1 1
    Mapping 128 250 30 300
    Mapping 251 255 1 1
End
```

The edited and tested files are in this zip:

cameo_pixbar650cpro.zip

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Refer to Creating vis files from d4 personalities for more details.

More examples:

A

- American DJ Ikon Profile

C

- Cameo_Pixbar650CPro