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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:

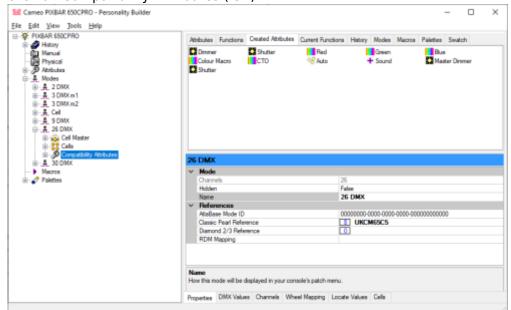
(full DMX tables are in the manual which is included in the zip below)

	Dimmer	OOO	T -	255	Master Dimmer 0-100%
CHI	Dimmer	000	1.	005	Strobe open
	Strobe	006	1.	010	Strobe closed
		011	+	033	Puls Random, slow -> fast
		034	1.	056	Ramp up Random, slow -> fast
CH2		057	-	079	1 1 1 1
CH2		080	١-		Ramp down Random, slow -> fast Random Strobe Effect, slow -> fast
	H	103	+-	102 127	Strobe Break Effect, 5s1s (Very Short Flash)
		128	١.	250	Strobe slow -> fast 0Hz - 20Hz
		251	+-	255	
0110	D. I		١-		Strobe open
CH3 CH4	Red	000	١-	255	0% to 100%
	Green	000	٠.	255	0% to 100%
CH5	Blue	000	+-	255	0% to 100%
- 1	+	000	٠.	005	Colour off
- 1	Colour Macro (override RGB)	006	٠.	013	Red
		014	٠.	021	Amber
- 1		022	٠.	029	Yellow warm
- 1		030	٠.	037	Yellow
- 1		038	٠.	045	Green
		046	٠.	053	Turquoise
- 1		054	١.	061	Cyan
		062	١.	069	Blue
CH6		070	١.	077	Lavender
- 1	HGB)	078	-	085	Mauve
	L	086	١-	093	Magenta
	L	094	-	101	Pink
- 1		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
1		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 Cc	Colour Tem- perature	000	-	005	off
CH/		006	-	255	cold to warm
		000	-	005	Pattern off
- 1	Γ	006	-	023	Dream

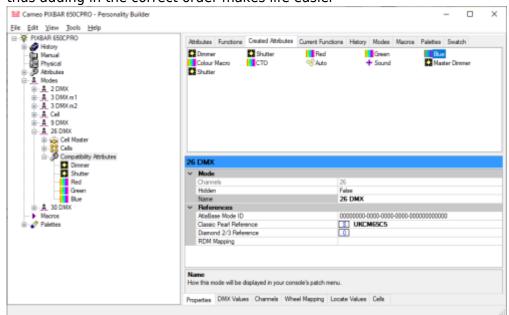
Most importantly, when setting the Classic Pearl References in the Personality Builder, we also need

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)

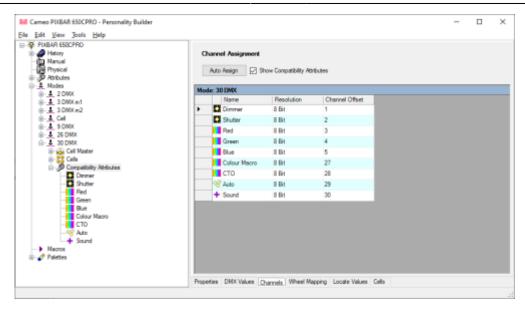


• top-right, in the Created Attributes tab, doubleclick on the attributes you want in that mode (26ch: Dimmer, Shutter, Red, Green, Blue; 30ch: Dimmer, Shutter, Red, Green, Blue, Colour Macro, CTO, Auto, Sound) - the attributes are assigned channels in the order you add them, thus adding in the correct order makes life easier



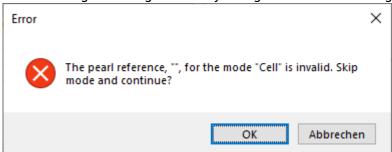
The coubleclick adds each attribute to the selected mode (here: compatibility attributes). Alternatively you can drag and drop the attributes there.

 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, 2025/12/08 06:27 3/4 Cameo Pixbar650CPro



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:

 $\label{lem:update:2020/01/21} upersonality: visualiser_examples: cameo_pixbar650 cpro\ https://www.avosupport.de/wiki/personality/visualiser_examples/cameo_pixbar650 cpro\ ht$

```
// 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

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

More examples:

Α

• American DJ Ikon Profile

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Cameo Pixbar650CPro

https://www.avosupport.de/wiki/ - AVOSUPPORT

Permanent link:

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