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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:

9-CH Mode CLPIXBAR450CPR0 / CLPIXBAR650CPR0

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

CH1	Dimmer	000	-	255	Master Dimmer 0-100%
CH2		000	-	005	Strobe open
	IT	006	-	010	Strobe closed
		011	-	033	Puls Random, slow -> fast
	Strobe	034	-	056	Ramp up Random, slow -> fast
		057	-	079	Ramp down Random, slow -> fast
		080	-	102	Random Strobe Effect, slow -> fast
	Ι Γ	103	-	127	Strobe Break Effect, 5s1s (Very Short Flash)
	I T	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%
		000	-	005	Colour off
		006	-	013	Red
		014	-	021	Amber
		022	-	029	Yellow warm
		030	-	037	Yellow
	t	038	-	045	Green
		046	-	053	Turquoise
		054	-	061	Cyan
	Colour Macro	062	-	069	Blue
CH6	(override	070	-	077	Lavender
	RGB)	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
	Colour Tem-	000	-	005	off
CH7	perature	006	•	255	cold to warm
		000		005	Pattern off
	1 F	006	1.	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)

- PIXBAR 650CPRO B- 2 History	Attributes Functions Created Attributes (Current Functions History Modes Macros Palettes Swatch							
	Colour Macro CTO	Red Green Blue SAuto + Sound Master Dimmer							
B- A 30 DMX	26 DMX								
- Macros	V Mode								
Palettes	Channels	26							
	Hidden	False							
	Name	26 DMX							
	 References 	V References							
	AtlaBase Mode ID	00000000-0000-0000-0000-00000000000							
	Classic Pearl Reference	UKCM65C5							
	Diamond 2/3 Reference								
	RDM Mapping								
	Name								

 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

Sel Carneo PIXBAR 650CPRO - Personality Builder Elle Edit View Jools Help	- • ×
Let Let Stot Lot ● ● Provide Lot ● ● Hatroy - ● ● Hatroy - ● Propical ● - ● ● Articutes ● ● ● Articutes ●	Attributes Functions Created Attributes Current Functions Hatory Modes Macros Palettes Swatch
Compatibility Attributes	Z6 DMX Mode Charnels 26 Hidden False Name 26 DMX
B - A. 30 DMX → Morros B - Ø Palettes	V References AtaBase Mode ID 0000000-0000-0000-0000-0000000000 Classic Pearl Reference 3 UNICMESC5 Damond 2/3 Reference RDN Mapping ID
	Name How this mode will be displayed in your console's patch menu. Properties DMX Values Channels Wheel Mapping Locate Values Cells

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,

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A Nodes	ode: 30 DMDC				
8-1 3 DMX m1	Name	Resolution	Channel Offset		
B ▲ 3 DMX m2		8 Bit	1		
⊕Cal ⊕9DMX	Shutter	8 Bit	2		
B-4 26 DMX	Red	8 Bit	3		
B 4 30 DMX	Green	8 Bit	4		
ii) iiii Cell Master	Blue	8 Bit	5		
Cells Corputbility Athbutes	Colour Macro	8 Bit	27		
Dinner	CTO	8 Bit	28		
Shutter	Auto	8 Bit	29		
- Red Green	+ Sound	8 Bit	30		
Colour Nacro Colour Nacro Auto Saund Nacros Polettes					

Now you can proceed with generating R20 and VIS files as described.

In between generating the files you'll get the error message

Error	×
\otimes	The pearl reference, "", for the mode "Cell" is invalid. Skip mode and continue?
	OK Abbrechen

This is normal as we don't need R20 and VIS files for the hidden Cell mode. Click 0K 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)
 - $\circ\,$ CTO/Color Wheel 2: adjust range dmx end

Example: changed Shutter definition:

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// 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:

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- American DJ Ikon Profile
- С
- Cameo_Pixbar650CPro

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