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

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,

2025/07/06 08:34

| - (m) Nanual - (m) Physical ⊕- (Ø) Athbutes | Channel Assignment | now Compatibility Att | ributes | | |
|---|--------------------|-----------------------|----------------|--|--|
| 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:

Last update: 2020/01/21 personality:visualiser_examples:cameo_pixbar650cpro https://www.avosupport.de/wiki/personality/visualiser_examples/cameo_pixbar650cpro 03:59

// 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:

А

- American DJ Ikon Profile
- С
- Cameo_Pixbar650CPro

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

Permanent link: https://www.avosupport.de/wiki/personality/visualiser_examples/cameo_pixbar650cpro



Last update: 2020/01/21 03:59