

PATHWAY CONNECTIVITY

TIP OF THE MONTH:

Pathport Crossfade on Priority

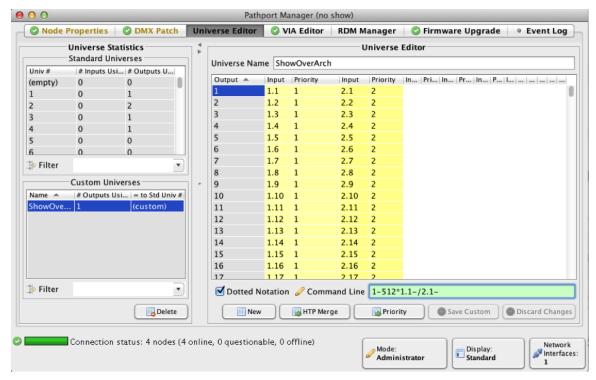
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All of Pathway Connectivity's DMX/Ethernet Gateways can receive data from multiple sources at the same time. Data is routed on a slot by slot basis using the free Pathport Manager software. When a port receives data from multiple consoles, it determines which value wins based on the configured Priority.

So what happens when the lower priority console, say the architectural controller, is in control and then the more important one, say the show console, comes online? Does the port jump immediately to the new value because it's a higher priority? That value may be higher or lower than the first and the sudden transition could be startling and even downright dangerous in a theatre setting. That is why all the Pathway gateways offer crossfading between sources when priorities change.

To use crossfades when a slot (or say 512 slots) is driven by more than one source, you need to create a Custom Universe in Pathport Manager. Touch the Universe Editor tab at the top of the screen.

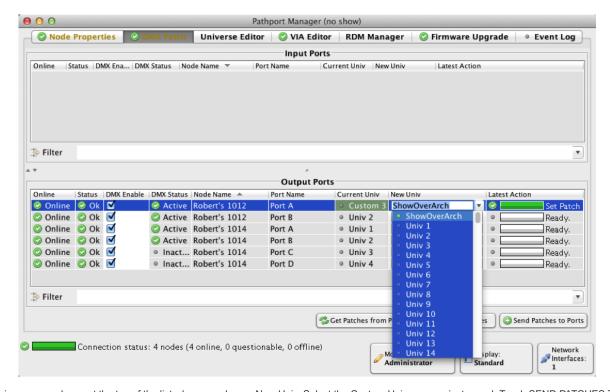


Create a "NEW" Custom Universe. I called this one ShowOverArch, meaning my Show Console's source will win over my Architectural controller. Use either the table editor which works much like any spreadsheet or the command line. For example, type:

1_512*1 1_/2 1.

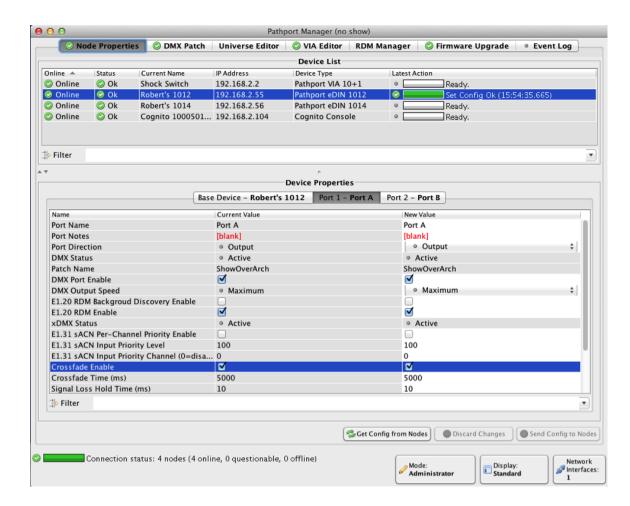
This sets every output slot of your new custom universe (1 thru 512) to accept a priority 1 input from stock universe 1 (i.e., 1.1 - 1.512), which comes from our lighting console in the books of the priority and the priority an

Then choose the DMX Patch tab from the top of Pathport Manager and find your output port. In this case, I'm selecting Port A on Robert's 1012.



Custom universes are shown at the top of the list when you choose New Univ. Select the Custom Universe you just saved. Touch SEND PATCHES TO PORTS to upload the new prioritized merge of Univ1 and Univ2 to that output port.

Now, when the show console is outputting on Univ1, its level will win. When that console is turned off, the output will get its levels from the architectural controller, which is outputting on Univ2. Now, to ensure the levels don't 'slam' when changing between the sources, select the Node Properties tab in Pathport Manager.



Select the appropriate Gateway (in this case Robert's 1012) and then select the port using the Custom Universe (in this case Port 1 - Port A) and make sure 'Crossfade Enable' is checked. Change the Crossfade Time too if you want. The default is 5 seconds. When done, don't forget to SEND CONFIG TO NODES.

Now, when a higher priority source comes on line, the levels will change to the new source over 5 seconds. If a driving source goes off line, the levels will fade rather than slam to the new values as well.

p.s. When two sources have the same priority, the output level will be the highest of the two (HTP). This makes sense with intensities, but for attributes of moving lights, such as Pan, 'highest' is meaningless and you really need to figure out which source should win when active and give it a higher priority.