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## Erica Synths Black Hole DSP

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### Erica Synths Black Hole DSP (#p2696)

by **Digital Larry** » Wed Mar 23, 2016 11:47 am

This was a fun project and I look forward to more of the same!

<http://ericasynths.lv/en/home/get/nid/49> (<http://ericasynths.lv/en/home/get/nid/49>)

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### Re: Erica Synths Black Hole DSP (#p2698)

by **iampoor** » Thu Mar 31, 2016 2:48 am

Are they using 2 EEPROM's to get 16 effects?

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### Re: Erica Synths Black Hole DSP (#p2699)

by **Digital Larry** » Thu Mar 31, 2016 5:45 am

Either that or they have a micro emulating the EEPROMs. Although I do have one of these modules, I don't have access to the h/w design, and I wouldn't talk about it even if I did know. As it is, my comment is just a guess.

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### Re: Erica Synths Black Hole DSP (#p2700)

by **iampoor** » Thu Mar 31, 2016 10:56 am

*Digital Larry wrote:*

Either that or they have a micro emulating the EEPROMs. Although I do have one of these modules, I don't have access to the h/w design, and I wouldn't talk about it even if I did know. As it is, my comment is just a guess.

Totally, I realize that I posted that question without any context far too early in the morning 😊

Wasnt sure if you came up with a software solution or if it was one of the tried and true methods

Anyways, just got a chance to watch the demo, and it sounds great! Hopefully more contracting work like this comes your way, because you seem pretty talented! 😊

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### **Re: Erica Synths Black Hole DSP (#p2701)**

by **Digital Larry** » Thu Mar 31, 2016 2:06 pm

Thanks for the kind words. In fact I am getting a bit more consulting work, which I enjoy.

To be fair, they wrote most of those patches themselves but I did advise on some fine points. And a handful of them are exactly as I conceived them.

Several points about designing effects for modular synths that are different than guitar pedals:

- 1) Range of "acceptable" sounds is vastly huger for the synths
- 2) Pots need to be conceived as performance inputs more than just setting a static sound

All in all, quite fascinating.

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