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FOSTEX DCM-100 midi controlled digital mixer

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13th March 2012

SusanSubtract

Here for the gear



My Studio



FOSTEX DCM-100 midi controlled digital mixer

Have any of you synth rack nerds used this mixer? I have a Simmons SPM 8:2. I love it. I can save a mix as a patch for each song (it's got a 64 patch memory), which makes playing live a breeze, but I'm limited by it's 8 mono inputs... and it's settings are not midi controllable... it's midi functionality is limited to sysex dumps of it's patches.

The Fostex DCM-100 seems like the ideal alternative.

8 stereo inputs, all parameters fully midi controllable, 100 patch memory, etc.

I've been on the hunt for one for 2 or 3 months. One guy in Seattle refused to send it to LA, and that's the only one I've seen.

Anyone have anything bad to say about this mixer? Are there any other 1u or 2u midi controllable line mixers that I'm just not aware of?

I'm mainly concerned with this mixer from a synth players standpoint and am not really concerned with it from a studio standpoint, which is why I'm posting it in this forum...



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Quote



Chazmania

Gear interested



My product development

Quote:

Originally Posted by **SusanSubtract**  
*Have any of you synth rack nerds used this mixer?
I have a Simmons SPM 8:2. I love it. I can save a mix
as a patch for each song (it's got a 64 patch*

Hi i have replied to some one at KVR about this here is what i said...

Quote:

I have developed a mini midi mixer with balanced 4 
channel in and out, its as small as a guitar peddle
unit using a DB25 brake out cable.(Tascam digital
standard). Has Midi In Using CC control data for



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Quote

SusanSubtract 

Here for the gear



My Studio



Well, that doesn't sound like it would suit my needs. I want the 8 stereo inputs, full mixer features, in a 1u module.

I just bought the Fostex on eBay.

Does anyone have a midi implementation sheet?

I noticed there are a few programs to control the mixer, so I suppose I could use one of these to "teach" my 49 SL MKII, but it'd be great to just have the CC/Sysex info.



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Quote

templarseries

Gear interested



DCM

Concerning the DCM:

I have just got this from ebay also - it implements controller 7 as overall volume and so far I have found 16 to be the first channel vol. It's initial dump shows that it has many more implemented.

The manual does not show these. I have contacted the UK dealer to see if info is available.

A similar mixer is the MOTU 7s - only difference being that Ch8 is geared to join another MOTU (or midi mixer) into the system.

I am guessing that Fostex have similar controls to the MOTU - which means PAN for each channel and EFX send.

I have details on the MOTU at

As soon as I work out what the FOSTEX does,I will post what I find out or if the dealer gets back to me.

Last edited by templarseries; 8th November 2012 at 10:24 PM.. Reason: Spell error



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Quote

■ 5th November 2012

#5

templarseries

Gear interested



DCM CC

CC for DCM

16-23 are vol controls

24-31 are pan controls

48 is the smoothing control

50 does scene dumping to internal memory

51 clears the scene memory

49 does a dump request 0-126 is a parameter - 127 is all.

Prog change causes scene memories to be recalled

Not worked out EFX or any other parameters - but the above is enough to mix and even store mixes with.

I am guessing EFX is someplace 31-81.



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■ 8th November 2012

#6

templarseries

Gear interested



I have found that 40-47 appear to be treble controls - and 32-39 are the bass controls.

The EFX bus select appears to be 66-73 these are split into 2 lots of 64 as with the MOTU 7s - anything below 64 is EFX to bus 1 and anything 64 and over is EFX to bus 2,meaning there are only 63 volume levels per bus to be sent to EFX.

74- appear to control levels on the bus perhaps the return level.

I am unsure if there are other controllers. The dump includes 32+ ...I will keep working on it.

Last edited by templarseries; 9th November 2012 at 12:14 AM.. Reason: Update



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■ 2nd July 2013

#7

templarseries

Gear interested



DCM Midi

My brother and I are working on a Csharp based (Windows EXE) program to control MIDI items. The DCM is one of the



units I have made a controller for. This currently functions with everything but the Scene Store/Recall section and is based on the CC numbers given above.

Because I had to test this program again, I found 66 onwards (for 8 controls) are the level controllers for each channel - working as above and like the MOTU - split into 2 64s, the first go to bus 1 and the 2nd lot to bus 2.

74,75,76,77 - are the send/return levels for EFX and use all 127 values for the level (as far as I can discern). I have had trouble with the scene/store recall feature using Prog change. Not sure what is going on there yet.

I am also making a controller for the MOTU 7s. I had a Simmons SPM at one point, but it was unreliable, which was a pity as it had LFO features. If I can dig out the PDF spec sheet, I might make an SPM controller too.



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#8

mecano
Gear Head



Hi there,

just got a mixtab, wonder if one could share a DCM100 dump, I'm trying to get the recall function to work with my DAW!

If you need any infos about the mixtab just ask, as CC go I guess templarseries already worked out all.

Mutes are particular things on the Mixtab because they don't send a dedicated mute message but instead send volume 0 then volume fader value of mixtab. This can be helpful to initialize a "scene" with current mixtab values but is also prone to errors.

The store scene from the mixtab point of view can be explained that way : the mixtab is requesting the DCM100 to store the Scene x but does not send any data and is waiting for some ack; it sends CC 50 of value x (00-99 where x is the scene number).

The recall function works a little differently from the process perspective, the mixtab first issue a Program Change number x (00-99 where x is the scene number), then a CC 49 value 127.

Again if someone has a DCM100 dump to share, I would really appreciate it 😊



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