
Subject: Motorized faders - touch sensitive or not?

Posted by [Doug Wellington](#) on Tue, 14 Aug 2007 16:03:19 GMT

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How many of you are using some kind of motorized fader device? Does it have touch sensitive faders?

I've got my initial design done and I'm trying to finish up my prototype of a 16 channel motorized fader control that will have both MIDI and EDS serial connections on it. :-) I have the chance to get either touch sensitive or non-touch sensitive faders, but the touch sensitive ones are twice the price. :(

Now, if I was making a completely self-contained mixer, I'd go for the touch sensitive faders, but since this is basically a remote control that may or may not talk to an application that understands touch faders, should I bother?

Doug

<http://www.parisfaqs.com>

Subject: Re: Motorized faders - touch sensitive or not?

Posted by [Robert](#) on Tue, 14 Aug 2007 16:35:20 GMT

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Wow,,,, cool stuff Doug, do keep us up to date man.

Rob

"Doug Wellington" <doug@parisfaqs.com> wrote in message
news:46c1d445\$1@linux...

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [EK Sound](#) on Tue, 14 Aug 2007 16:50:53 GMT
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Having used MANY types of automation I can say one thing for certain... Nulling SUCKS! Try chasing a busy fader up and down to try and null it out before pressing the write button... Touch sensitive is the only way to go really... but you knew that.. ;-)

My \$.02

David.

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Dedric Terry](#) on Tue, 14 Aug 2007 17:32:24 GMT
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Agreed - it's disconcerting missing the touch points on the Mackie mixer and having it fight you.
Touch sensitive has many applications in automation - go for it. :-)

There will also be some automation updates coming in Nuendo 4 and perhaps Cubase 4.1 as well - if you use either you might appreciate the more capable faders.

Dedric

"EK Sound" <askme@nospam.com> wrote in message news:46c1df4c\$1@linux...

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>> Doug

>>

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Subject: Re: Motorized faders - touch sensitive or not?

Posted by [Rod Lincoln](#) on Tue, 14 Aug 2007 19:02:36 GMT

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Touch Faders for sure,

Rod

"Doug Wellington" <doug@parisfaqs.com> wrote:

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [gene lennon](#) on Wed, 15 Aug 2007 02:04:33 GMT
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Actually, I started on Allison 64 V1.0.
Who remembers this?

"CAUTION: The following procedures can result in unreadable data tracks.
Recommended only if you can deal with starting from scratch.

LOL
Gene

"Doug Wellington" <doug@parisfaqs.com> wrote:
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>Doug
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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [xpam_mark](#) on Thu, 16 Aug 2007 04:40:32 GMT
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Touch. Nulling kills.

WMW

"Doug Wellington" <doug@parisfaqs.com> wrote in message
news:46c1d445\$1@linux...
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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Neil](#) on Thu, 16 Aug 2007 05:25:26 GMT
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Agreeing with everything everyone's said to this point in the thread... besides, if you can come up with a touch-sensitive system that can also replace some legacy (console-oriented) systems that are no longer supported you can make a few million dollars. So go for it... If you're gonna do it, you may as well do it to a financially viable level of implementation if you have the capability & coding chops to do so.

Neil

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [DJ](#) on Thu, 16 Aug 2007 12:35:41 GMT
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"Neil" <OIOIU@OIU.com> wrote in message news:46c3dfc6\$1@linux...

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>
> Neil

Agreed.

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [DJ](#) on Thu, 16 Aug 2007 12:37:16 GMT
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You are, of course, designing this so that it will work with two computers which are linked up via Steinberg systemlink so that the first 8 xawwww,,,,,,nevermind.....

;o)

faders can control the

"Doug Wellington" <doug@parisfaqs.com> wrote in message news:46c1d445\$1@linux...

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Doug Wellington](#) on Thu, 16 Aug 2007 18:31:49 GMT
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OK, I must not realize the true magnitude of this, so help me out...

So far, I've got a system laid out with 17 faders with several rows of encoders and mute and solo buttons per fader, plus a separate panel of control buttons and knobs and a four line display. (It can be put on either side of the faders depending upon whether you want to work left handed or right. What more should I include? And what kind of layout do guys you prefer? Put a different way, what control buttons do you always reach for? They should be in convenient locations, right? And what devices would you want to control with something like this?

Doug

<http://www.parisfaqs.com>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Dedric Terry](#) on Thu, 16 Aug 2007 20:28:27 GMT
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Doug,

Just go for the whole ball of wax and add a small ASCII keyboard, Kensington Pro trackball, and a couple banks of assignable keys, a la X-Keys, with a preset mode to load setups for different DAWs.... :-)

For me in particular, having assignable keys (not just function keys) is extremely beneficial for editing/composing, though probably not top priority for a mixing controller. I know a lot of other users would be happy to buy a controller that exceeded a Mackie controller and took a bit from the Euphonix MC (<http://www.euphonix.com/post/products/mc/mc.htm>), and sold for under \$5k or so.

The MC runs about \$18k I believe, but has a dedicated protocol (Eucon) for Nuendo, ProTools, etc. Using USB midi would be fine, though if you want to go high end, ethernet is worth a look.

Understanding that the above is probably a little unrealistic, to your list I would add a jog/shuttle wheel and assignable keys if possible. I assume you are aiming for a generic midi DAW controller rather than proprietary to one DAW.

Regards,
Dedric

"Doug Wellington" <doug@parisfaqs.com> wrote in message news:46c49a0c\$1@linux...

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Graham Duncan](#) on Thu, 16 Aug 2007 22:39:40 GMT
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Something between the Mackie and the ICON for 5k. Leaning as close to the ICON as possible. :) Generic DAW usage, but specifically something good for plugins (see ICON). So I think you'd need more displays and plenty of knobs.

Graham

Doug Wellington wrote:

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Doug Wellington](#) on Fri, 17 Aug 2007 00:23:12 GMT
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So, you guys don't like the Mackie Control? I haven't used one, so I don't know anything about them. \$1200 seems pretty cheap. Heck, just the faders I'm trying to use are \$40 each - and that's in quantities over 100..! And I'm using 17 of them...

As for connections, USB and 10/100 ethernet are already included on the development board I'm using. :) I'm adding the EDS serial comms and MIDI to it. And while my primary intent was to make a motorfader control for PARIS, I don't want to be limited to any particular software package. I forgot to mention that I do have a jog wheel, and that all buttons are assignable - I've got enough eeprom to probably store 100 different setups...

Doug

<http://www.parisfaqs.com>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Dedric Terry](#) on Fri, 17 Aug 2007 00:27:31 GMT
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Hi Doug - the Mackie Control is a great unit, but there is a big gap between the Mackie/Tascam/Houston range and a Euphonix MC or Icon - while the price gap seems to exceed what a midi controller does, the Euphonix MC is amazing. At first glance it looks like a keyboard, set of faders, a couple of track ball/wheels and some buttons, but the buttons are not only assignable, but also LED color coded and programmable for visual feedback of their function, switching automatically when switch systems, as well as (I am guessing) all rotary encoders, faders, and buttons recall their state for the project being worked on...oh, and the touch screen is sweet as well.

That's the higher end of what's out there for sub \$20k units, so something that enhances what the Mackie offers would be a great mid-range unit (17 faders is already a step up).

Keep us posted - interesting project!

Regards,
Dedric

"Doug Wellington" <doug@parisfaqs.com> wrote in message
news:46c4ec66\$1@linux...

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Paul Artola](#) on Fri, 17 Aug 2007 02:41:54 GMT
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Doug -

This is all very exciting, what you are working on here. I know you
have gotten good suggestions from the others. Any way to include this
in the design:

<http://raildriver.com/assets/images/shipdriver/sd.large.main.jpg>

I think I really need that in my next control surface, or I am gonna
die!

- Paul Artola
Ellicott City, Maryland

On Thu, 16 Aug 2007 11:31:49 -0700, "Doug Wellington"
<doug@parisfaqs.com> wrote:

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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [gene lennon](#) on Fri, 17 Aug 2007 03:09:37 GMT
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Content-Transfer-Encoding: 7bit

G

Paul Artola <artola@comcast.net> wrote:

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>- Paul Artola
> Ellicott City, Maryland
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---=_linux46c51171--

Subject: Re: Motorized faders - touch sensitive or not?

Posted by [erlilo](#) on Fri, 17 Aug 2007 05:46:32 GMT

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What about a jogging wheel?

Erling

On Thu, 16 Aug 2007 11:31:49 -0700, "Doug Wellington"

<doug@parisfaqs.com> wrote:

>> Agreeing with everything everyone's said to this point in the
>> thread... besides, if you can come up with a touch-sensitive
>> system that can also replace some legacy (console-oriented)

>> systems that are no longer supported you can make a few million
>> dollars. So go for it... If you're gonna do it, you may as well
>> do it to a financially viable level of implementation if you
>> have the capability & coding chops to do so.
>
>OK, I must not realize the true magnitude of this, so help me out...
>
>So far, I've got a system laid out with 17 faders with several rows of
>encoders and mute and solo buttons per fader, plus a separate panel of
>control buttons and knobs and a four line display. (It can be put on either
>side of the faders depending upon whether you want to work left handed or
>right. What more should I include? And what kind of layout do guys you
>prefer? Put a different way, what control buttons do you always reach for?
>They should be in convenient locations, right? And what devices would you
>want to control with something like this?
>
>Doug
>
><http://www.parisfaqs.com>
>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Doug Wellington](#) on Fri, 17 Aug 2007 16:13:43 GMT
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Erling wrote:

> What about a jogging wheel?

Yes, that is included... I'm even thinking of including a bank of pads something like this:

<http://monome.org/>

Interesting project that, but I wish the pads were velocity sensitive, and the kit is a little pricey for what it is...

Doug

<http://www.parisfaqs.com>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [John Macy](#) on Fri, 17 Aug 2007 16:30:11 GMT
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Just got back in from vacation and found this.

My new CR will hae both PTHD and Paris, and a controller that would do both would be amazing...

"Doug Wellington" <doug@parisfaqs.com> wrote:

>Erling wrote:

>> What about a jogging wheel?

>

>Yes, that is included... I'm even thinking of including a bank of pads

>something like this:

>

><http://monome.org/>

>

>Interesting project that, but I wish the pads were velocity sensitive, and

>the kit is a little pricey for what it is...

>

>Doug

>

><http://www.parisfaqs.com>

>

>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Tom Bruhl](#) on Fri, 17 Aug 2007 17:20:18 GMT
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This is a multi-part message in MIME format.

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Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Doug,

I'm sticking with Paris so that is crucial to me although Cubase is also part of my setup. The motorized faders would be really great along with transport controls. Anything else is gravy.

My setup would almost require it to fit into the C-16 shape or something quite similar.

This is too good!

Tom

"John Macy" <spamlessjohn@johnmacy.com> wrote in message = news:46c5cd13\$1@linux...

Just got back in from vacation and found this.

My new CR will hae both PTHD and Paris, and a controller that would do both would be amazing...

"Doug Wellington" <doug@parisfaqs.com> wrote:

>Erling wrote:

>> What about a jogging wheel?

>

>Yes, that is included... I'm even thinking of including a bank of = pads

>something like this:

>

><http://monome.org/>

>

>Interesting project that, but I wish the pads were velocity = sensitive, and

>the kit is a little pricey for what it is...

>

>Doug

>

><http://www.parisfaqs.com>=20

>

>

I choose Polesoft Lockspam to fight spam, and you?

<http://www.polesoft.com/refer.html>

-----=_NextPart_000_00AF_01C7E0D1.5B26BAC0

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<DIV>I'm sticking with Paris so that is =
crucial to me=20
although Cubase is</DIV>
<DIV>also part of my setup. The =
motorized faders=20
would be really great</DIV>
<DIV>along with transport controls. =
Anything else=20
is gravy.</DIV>
<DIV>My setup would almost require it to fit =
into the=20
C-16 shape</DIV>
<DIV>or something quite =
similar.</DIV>
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<DIV>This is too good!</DIV>
<DIV>Tom</DIV>
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 t;=20
 wrote in message <A=20
 =
 href=3D"news:46c5cd13\$1 @linux">news:46c5cd13\$1 @linux...</DIV>
Just=
 got=20
 back in from vacation and found this.

My new CR will hae both =
 PTHD and=20
 Paris, and a controller
that would do both would be=20
 amazing...

"Doug Wellington" <<A=20
 href=3D"mailto:doug@parisfaqs.com">doug@parisfaqs.com>=20
 wrote:
>Erling wrote:
>> What about a jogging=20
 wheel?
>
>Yes, that is included... I'm even thinking =
 of=20
 including a bank of pads

>something like=20
 this:
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>http://monome.org/
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>Interesting =
 project=20
 that, but I wish the pads were velocity sensitive, and

>the =
 kit is a=20

little pricey for what it=20
is...
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>Doug
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>http://www.parisfaqs.com=20

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</BLOCKQUOTE>
<DIV>

I choose Polesoft Lockspam to fight spam, =
and=20
you?
<A=20
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..html </DIV></BODY ></HTML>

-----=_NextPart_000_00AF_01C7E0D1.5B26BAC0--

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Ted Gerber](#) on Fri, 17 Aug 2007 19:36:44 GMT
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What he said- except I'm logic and Paris. For me - really just Paris fader, pan, mute/solo and transport would be great. Tascam's 2440 (?) looked ideal. If a control surface can't do it all - plugins, EQ, bussing etc, I'd rather break it down to groups of tasks. ie, if it can't do all the plugin parameter control, I'd rather not use it for any part of that...

Ted

"John Macy" <spamlessjohn@johnmacy.com> wrote:

>
>Just got back in from vacation and found this.
>
>My new CR will hae both PTHD and Paris, and a controller
>that would do both would be amazing...

>

>

>

>

>"Doug Wellington" <doug@parisfaqs.com> wrote:

>>Erling wrote:

>>> What about a jogging wheel?

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and

>

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>>Doug
>>
>><http://www.parisfaqs.com>
>>
>>
>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [LaMont](#) on Fri, 17 Aug 2007 22:26:26 GMT
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Lol!! Dedric , just reading your first 2 lines, I knew you were reaching for the Euphonix MC5 :)

"Dedric Terry" <dterry@keyofd.net> wrote:

>Doug,

>

>Just go for the whole ball of wax and add a small ASCII keyboard, Kensington

>Pro trackball,

>and a couple banks of assignable keys, a la X-Keys, with a preset mode to

>load setups for different DAWs.... :-)

>

>For me in particular, having assignable keys (not just function keys) is

>extrememly

>beneficial for editing/composing, though probably not top priority for a

>mixing controller.

>I know a lot of other users would be happy to buy a controller that exceeded

>a Mackie controller

>and took a bit from the Euphonix MC

>(<http://www.euphonix.com/post/products/mc/mc.htm>), and sold

>for under \$5k or so.

>

>The MC runs about \$18k I believe, but has a dedicated protocol (Eucon) for

>Nuendo, ProTools, etc.

>Using USB midi would be fine, though if you want to go high end, ethernet is

>worth a look.

>

>Understanding that the above is probably a little unrealistic, to your list

>I would add a jog/shuttle wheel
>and assignable keys if possible. I assume you are aiming for a generic
midi
>DAW controller rather than proprietary
>to one DAW.
>
>Regards,
>Dedric
>
>"Doug Wellington" <doug@parisfaqs.com> wrote in message
>news:46c49a0c\$1@linux...
>>> Agreeing with everything everyone's said to this point in the
>>> thread... besides, if you can come up with a touch-sensitive
>>> system that can also replace some legacy (console-oriented)
>>> systems that are no longer supported you can make a few million
>>> dollars. So go for it... If you're gonna do it, you may as well
>>> do it to a financially viable level of implementation if you
>>> have the capability & coding chops to do so.
>>
>> OK, I must not realize the true magnitude of this, so help me out...
>>
>> So far, I've got a system laid out with 17 faders with several rows of

>> encoders and mute and solo buttons per fader, plus a separate panel of

>> control buttons and knobs and a four line display. (It can be put on

>> either side of the faders depending upon whether you want to work left

>> handed or right. What more should I include? And what kind of layout
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>> reach for? They should be in convenient locations, right? And what
>> devices would you want to control with something like this?
>>
>> Doug
>>
>> <http://www.parisfaqs.com>
>>
>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Dedric Terry](#) on Fri, 17 Aug 2007 22:58:10 GMT
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:~))

"LaMont" <jjdpro@ameritech.net> wrote in message news:46c62092\$1@linux...

>

> Lol!! Dedic , just reading your first 2 lines, I knew you were reaching

> for

> the Euphonix MC5 :)

>

> "Dedic Terry" <dterry@keyofd.net> wrote:

>>Doug,

>>

>>Just go for the whole ball of wax and add a small ASCII keyboard,

>>Kensington

>

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>>and a couple banks of assignable keys, a la X-Keys, with a preset mode to

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>>> devices would you want to control with something like this?
>>>
>>> Doug
>>>
>>> <http://www.parisfaqs.com>
>>>
>>
>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [DJ](#) on Sat, 18 Aug 2007 01:27:01 GMT
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Doug,

A controller like you are envisioning (only larger) was marketed by Tascam a while back.

<http://www.musiciansfriend.com/product/Tascam-US2400-24-CH-USB-DAW-Controller?sku=706947>

One of the main reasons it didn't fly was because it didn't have a backlit LCD with a "per channel" readout like the Mackie Control so that you could call up the various parameters on each track.

<http://www.musiciansfriend.com/product/Mackie-Control-Universal?sku=634265>

If it would have had that capability, they would have sold thousands of them.

Just didn't want you go to all this effort to reinvent the same (flawed) wheel.

Deej

"Doug Wellington" <doug@parisfaqs.com> wrote in message news:46c4ec66\$1@linux...

> So, you guys don't like the Mackie Control? I haven't used one, so I
> don't know anything about them. \$1200 seems pretty cheap. Heck, just the
> faders I'm trying to use are \$40 each - and that's in quantities over
> 100..! And I'm using 17 of them...

>
> As for connections, USB and 10/100 ethernet are already included on the
> development board I'm using. :) I'm adding the EDS serial comms and MIDI
> to it. And while my primary intent was to make a motorfader control for
> PARIS, I don't want to be limited to any particular software package. I
> forgot to mention that I do have a jog wheel, and that all buttons are
> assignable - I've got enough eeprom to probably store 100 different
> setups...

>
> Doug
>
> <http://www.parisfaqs.com>
>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Doug Wellington](#) on Sat, 18 Aug 2007 02:09:39 GMT
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> One of the main reasons it didn't fly was because it didn't have a backlit
> LCD with a "per channel" readout like the Mackie Control so that you could
> call up the various parameters on each track.

Thanks for pointing that out. I'm on a business trip next week, and I think I've got my evenings free. I'll try to make a mock-up of my design to show you what I'm working on...

Doug

<http://www.parisfaqs.com>

Subject: Re: Motorized faders - touch sensitive or not?

Posted by [DJ](#) on Sat, 18 Aug 2007 03:09:56 GMT

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I'm very interested in this. It would be fantastic if this could somehow simultaneously access Cubase and the Creamware mixer to integrate the two. I'd probably sell my Houston controller and all my RME cards if I could integrate Cubase and the Pulsar DSP mixer with a motorized fader controller. I don't have any creamware cads left, but Aaron, Thad and Dedric do (I'm sure they love it when I volunteer them to be guinea pigs ;o) It would be a tall order, but you'd have the entire Pulsar user base as customers (and me) in about 1 second flat.

;o)

"Doug Wellington" <doug@parisfaqs.com> wrote in message
news:46c656d7@linux...

>> One of the main reasons it didn't fly was because it didn't have a
>> backlit LCD with a "per channel" readout like the Mackie Control so that
>> you could call up the various parameters on each track.

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> Doug

>

> <http://www.parisfaqs.com>

>

Subject: Re: Motorized faders - touch sensitive or not?

Posted by [Aaron Allen](#) on Sat, 18 Aug 2007 07:49:44 GMT

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This is a multi-part message in MIME format.

-----=_NextPart_000_00A2_01C7E142.6E77BAE0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

I'm in. The next 2 months are gonna be jammed, but I will help where I =
can. A fader pack that can Paris one minute, Sonar the next then =
ProTools and also handle the creamware mixer? Yah buddy, I'm interested!

One thing I'd like to see is of course the usual play/record/ff/rew =
stuff, but also a talkback mic/pre onboard. Something cheap with a =
limit/compress circuit is just fine. I would not use it in my current =
setup but how many fader control packs have that one simple thing that =
studios would probably go nuts for.

BTW Doug.. are we looking at proprietary drivers or is this a OS-X/winxp =
plug'n'play thing?=20
Latency?=20
Would it have a submix mode to address, well.. submixes?=20
Foot control inputs for punch in/out?

AA

"DJ" <animix _ at _ animas _ dot _ net> wrote in message =
news:46c66516@linux...
> I'm very interested in this. It would be fantastic if this could =
somehow=20
> simultaneously access Cubase and the Creamware mixer to integrate the =
two.=20
> I'd probably sell my Houston controller and all my RME cards if I =
could=20
> integrate Cubase and the Pulsar DSP mixer with a motorized fader =
controller.=20
> I don't have any creamware cads left, but Aaron, Thad and Dedric do =
(I'm=20
> sure they love it when I volunteer them to be guinea pigs ;o) It would =
be a=20
> tall order, but you'd have the entire Pulsar user base as customers =
(and me)=20
> in about 1 second flat.
>=20
> ;o)
>=20
>=20
> "Doug Wellington" <doug@parisfaqs.com> wrote in message=20
> news:46c656d7@linux...

>>> One of the main reasons it didn't fly was because it didn't have a=20
>>> backlit LCD with a "per channel" readout like the Mackie Control so =
that=20
>>> you could call up the various parameters on each track.
>>
>> Thanks for pointing that out. I'm on a business trip next week, and =
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>> think I've got my evenings free. I'll try to make a mock-up of my =
design=20
>> to show you what I'm working on...
>>
>> Doug
>>
>> <http://www.parisfaqs.com>
>>=20
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<STYLE></STYLE>  
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<BODY>  
<DIV><FONT face=3DArial size=3D2>I'm in. The next 2 months are gonna be =  
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Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Doug Wellington](#) on Sat, 18 Aug 2007 21:58:14 GMT
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Aaron Allen wrote:

> A fader pack that can Paris one minute, Sonar the next then ProTools and
> also handle the creamware mixer? Yah buddy, I'm interested!

OK, I need to find out more about Creamware then - is the Pulsar discontinued or something? Is "Scope" the same thing? Maybe I'll have to call my controller "Listerine"... ;-)

> One thing I'd like to see is of course the usual play/record/ff/rew stuff,
> but
> also a talkback mic/pre onboard.

Nice idea... Up until now, I haven't included any audio in the design...

> BTW Doug.. are we looking at proprietary drivers or is this a OS-X/winxp
> plug'n'play thing?

Well, the initial design didn't have any drivers per se - it was to be purely a C-16 replacement. Adding the MIDI interface wasn't a huge deal - I just use a look up table and send a MIDI message. USB and ethernet protocols are things I still have to look into...

> Latency?

I haven't done any tests yet, but I query each button many times per second for status...

> Would it have a submix mode to address, well.. submixes?

Yes, there's a submix button, the same as on the C-16...

> Foot control inputs for punch in/out?

Well, that brings me back to the beginning of this little exercise. :-) I bought a Looperlative LP1 [<http://www.looperlative.com>] and wasn't happy with any currently available foot controllers. I bought an old Digitech PMC-10 and it's alright, but it still didn't have all the features I wanted. I ended up designing a foot controller with 24 buttons (!) on it - two rows of nine, one for selecting channels (1-8 and all) - a second row for the usual record, play, overdub, reverse, etc, and the other buttons for bank selection, programming, etc. I had so much fun with the design that I decided to make a desktop controller, and here we are...

:-)

Doug

<http://www.parisfaqs.com>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [xpam_mark](#) on Sun, 19 Aug 2007 07:29:06 GMT
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Yeah, that jog wheel is givin me a boner !?!?!?!\\

WMW

"Paul Artola" <artola@comcast.net> wrote in message
news:6k2ac314e6c3oabr4bb154s7fghedf7cq@4ax.com...

> Doug -

>

> This is all very exciting, what you are working on here. I know you
> have gotten good suggestions from the others. Any way to include this
> in the design:

>

> <http://raildriver.com/assets/images/shipdriver/sd.large.main.jpg>

>

> I think I really need that in my next control surface, or I am gonna
> die!

>

> - Paul Artola
> Ellicott City, Maryland

>

> On Thu, 16 Aug 2007 11:31:49 -0700, "Doug Wellington"
> <doug@parisfaqs.com> wrote:

>

>>> Agreeing with everything everyone's said to this point in the

>>> thread... besides, if you can come up with a touch-sensitive
>>> system that can also replace some legacy (console-oriented)
>>> systems that are no longer supported you can make a few million
>>> dollars. So go for it... If you're gonna do it, you may as well
>>> do it to a financially viable level of implementation if you
>>> have the capability & coding chops to do so.
>>
>>OK, I must not realize the true magnitude of this, so help me out...
>>
>>So far, I've got a system laid out with 17 faders with several rows of
>>encoders and mute and solo buttons per fader, plus a separate panel of
>>control buttons and knobs and a four line display. (It can be put on
>>either
>>side of the faders depending upon whether you want to work left handed or
>>right. What more should I include? And what kind of layout do guys you
>>prefer? Put a different way, what control buttons do you always reach
>>for?
>>They should be in convenient locations, right? And what devices would you
>>want to control with something like this?
>>
>>Doug
>>
>><http://www.parisfaqs.com>
>>
>

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Aaron Allen](#) on Sun, 19 Aug 2007 14:41:56 GMT
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"Doug Wellington" <doug@parisfaqs.com> wrote in message
news:46c76d68@linux...
> Aaron Allen wrote:
>> A fader pack that can Paris one minute, Sonar the next then ProTools and
>> also handle the creamware mixer? Yah buddy, I'm interested!
>
> OK, I need to find out more about Creamware then - is the Pulsar
> discontinued or something? Is "Scope" the same thing? Maybe I'll have to
> call my controller "Listerine"... ;-)

Pulsar/Scope/Creamware. Same folks far as I can tell.

>
>> One thing I'd like to see is of course the usual play/record/ff/rew
>> stuff, but
>> also a talkback mic/pre onboard.
>

> Nice idea... Up until now, I haven't included any audio in the design...

Shoot, a 741 with a CLM6000 strapped across it for limiting would get it for most folks I think.

>
>> BTW Doug.. are we looking at proprietary drivers or is this a OS-X/winxp
>> plug'n'play thing?
>
> Well, the initial design didn't have any drivers per se - it was to be
> purely a C-16 replacement. Adding the MIDI interface wasn't a huge deal -
> I just use a look up table and send a MIDI message. USB and ethernet
> protocols are things I still have to look into...

So, it plugs into the EDS CAT5 type slot, or USB or ? On this I am a little unclear.

>
>> Latency?
>
> I haven't done any tests yet, but I query each button many times per
> second for status...

Does this equate to CPU overhead of any mention?

>
>> Would it have a submix mode to address, well.. submixes?
>
> Yes, there's a submix button, the same as on the C-16...

You rock.

>
>> Foot control inputs for punch in/out?
>
> Well, that brings me back to the beginning of this little exercise. :-)
> I bought a Looperlative LP1 [<http://www.looperlative.com>] and wasn't happy
> with any currently available foot controllers. I bought an old Digitech
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> wanted. I ended up designing a foot controller with 24 buttons (!) on it -
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> for the usual record, play, overdub, reverse, etc, and the other buttons
> for bank selection, programming, etc. I had so much fun with the design
> that I decided to make a desktop controller, and here we are...
>

Correction. You totally rock.

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Paul Braun](#) on Sun, 19 Aug 2007 17:31:42 GMT
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On Thu, 16 Aug 2007 22:41:54 -0400, Paul Artola <artola@comcast.net> wrote:

>Doug -

>

>This is all very exciting, what you are working on here. I know you
>have gotten good suggestions from the others. Any way to include this
>in the design:

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> [http://raildriver.com/assets/images/shipdriver/sd.large.main .jpg](http://raildriver.com/assets/images/shipdriver/sd.large.main.jpg)

>

>I think I really need that in my next control surface, or I am gonna
>die!

>

While I don't need the Shipdriver thingie, I could certainly use their
Raildriver version for controlling MS Train Sim when I'm not mixing.

Or I'm gonna die.

pab

Subject: Re: Motorized faders - touch sensitive or not?
Posted by [Doug Wellington](#) on Mon, 20 Aug 2007 12:19:08 GMT
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Aaron Allen wrote:

> So, it plugs into the EDS CAT5 type slot, or USB or ? On this I am a
> little unclear.

I have been working on two connections - 1) EDS cat5, and 2) Standard
MIDI. The chip development board I'm using for programming has USB and
10/100 ethernet built in, so I will look into how to use them once I
have the EDS and MIDI sorted...

> Does this equate to CPU overhead of any mention?

Not the host CPU, but it does take a certain amount of the
microprocessor inside the controller itself... :-)

Doug

<http://www.parisfaqs.com>
