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Subject: Patch bays?

Posted by [brandon\[2\]](#) on Wed, 19 Jul 2006 14:10:09 GMT

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When I build my new console I will need to insert a patchbay into my chain. I have heard some people complain that patchbays severely decrease quality. Opinions on that?  
Also, suggestions on good patchbays with XLR inputs and balanced 1/4 outputs?

Thanks,  
b

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Subject: Re: Patch bays?

Posted by [EK Sound](#) on Wed, 19 Jul 2006 15:20:16 GMT

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Hey Brandon,

A patching system built from high quality cabling and connectors will have little or no effect on the signal quality. I do recommend XLR patching for mic lines... TRS would be fine for line level signals. Avoid gold connections at the patching point, they are designed to be used where the connection is never (or extremely seldom) removed. The gold coating prevents oxidization over long periods of time. If used in a patching point, the gold will wear off very quickly (negating any benefits). If you can provide some details as to your set-up, I can make some suggestions.

David.

Brandon wrote:

> When I build my new console I will need to insert a patchbay into my chain.  
> I have heard some people complain that patchbays severely decrease quality.  
> Opinions on that?  
> Also, suggestions on good patchbays with XLR inputs and balanced 1/4 outputs?  
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> Thanks,  
> b

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Subject: Re: Patch bays?

Posted by [Deej \[1\]](#) on Wed, 19 Jul 2006 15:47:06 GMT

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No quality loss if it's a decent product and if you can provide some details as to your set-up, Dave can

make some suggestions.

;o)

"Brandon" <a@a.com> wrote in message news:44be3d41\$1@linux...

>

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> Opinions on that?

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> Thanks,

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Subject: Re: Patch bays?

Posted by [Dubya Mark Wilson](#) on Wed, 19 Jul 2006 15:56:24 GMT

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David, what are your concerns with regard with TRS being used for XLR throughput outside of something requiring special consideration such as phantom voltage to old pin-3 hot ribbon mics?

W.

"EK Sound" <askme@nospam.com> wrote in message news:44be4c87@linux...

> Hey Brandon,

>

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> little or no effect on the signal quality. I do recommend XLR patching

> for mic lines... TRS would be fine for line level signals. Avoid gold

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Subject: Re: Patch bays?  
Posted by [brandon\[2\]](#) on Wed, 19 Jul 2006 17:03:34 GMT  
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Basically, I was going to put all my rackmount gear in a sound proof cabinet that will be built in to my console.(2- dual channel mic pres, 2- MECS, 2- RNC's, and what ever else I may add into the equation later)  
I need to be able to access the patch points on each device without getting on my knees and pulling it all out of the cabinet. So, I was going to mount a patchbay on the side of the cabinet that I can access externally for convenience.

thx,  
b

"Brandon" <a@a.com> wrote:

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>Thanks,  
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Subject: Re: Patch bays?  
Posted by [Deej \[1\]](#) on Wed, 19 Jul 2006 17:05:55 GMT  
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If any of that rack gear is class A or tube (or both) it's going to get hot, so make sure it has a space above it and make sure your sound proof cabinet is well ventilated (which pretty much negates the sound proofing.....and why do you need to sound proof preamps??.....oh well, anyway.....;O) .

Deej

"Brandon" <a@a.com> wrote in message news:44be65e6\$1@linux...

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> >Thanks,  
> >b  
>

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Subject: Re: Patch bays?

Posted by [EK Sound](#) on Wed, 19 Jul 2006 18:41:06 GMT

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The connection quality is far less with a TRS (longframe or standard for that matter) jack than with an XLR. The XLR has a good solid connection, whereas the 1/4" jacks can move (rotate) with vibration. While this is not a problem with line level signals, it IS a problem for the very low level mic signals where Phantom power is concerned. ANY variance in the Phantom supply to a mic will be instantly audible.

I worked at a studio once that had a bantam mic bay... anytime I did a session in there, I had to lay a blanket and phone books on the cables to keep them from vibrating... I even spent lots of time

in-between cleaning the plugs (brass) to no avail.

YMMV... but I doubt it...

Cheers,

David.

Dubya Mark Wilson wrote:

> David, what are your concerns with regard with TRS being used for XLR  
> throughput outside of something requiring special consideration such as  
> phantom voltage to old pin-3 hot ribbon mics?

>

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>

>

>

Subject: Re: Patch bays?

Posted by [EK Sound](#) on Wed, 19 Jul 2006 18:42:43 GMT

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I don't get it... how can you be a DUMBASS \*and\* a SMART-ASS at the same time??? ;-)

David.

DJ wrote:

> No quality loss if it's a decent product and if you can provide some details  
> as to your set-up, Dave can  
> make some suggestions.  
>  
> ;o)  
>  
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> "Brandon" <a@a.com> wrote in message news:44be3d41\$1@linux...  
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>  
>

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Subject: Re: Patch bays?

Posted by [Deej \[1\]](#) on Wed, 19 Jul 2006 18:51:34 GMT

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By sticking a positive lead in my left nostril and the negative lead in my right nostril, holding the ground in my mouth and cramming a 9 pin ADAT sync cable up my ass, I have found a way to sync bipolarity to attitude, thus complicating it immensely.

;oP

"EK Sound" <askme@nospam.com> wrote in message news:44be7bf5@linux...  
> I don't get it... how can you be a DUMBASS \*and\* a SMART-ASS at the  
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Subject: Re: Patch bays?  
Posted by [rick](#) on Wed, 19 Jul 2006 19:24:48 GMT  
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to remind him of how important water is but also to protect the gear  
from spillage when one has it on oneself...sheesh...

On Wed, 19 Jul 2006 11:05:55 -0600, "DJ"  
<animix\_spam-this-ahole\_@animas.net> wrote:

>If any of that rack gear is class A or tube (or both) it's going to get hot,  
>so make sure it has a space above it and make sure your sound proof cabinet  
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>

>

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>>

>

---

Subject: Re: Patch bays?

Posted by [brandon\[2\]](#) on Wed, 19 Jul 2006 23:52:35 GMT

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All my rack gear fits in one small rack unit so I would just like to shove it all in the cabinet and forget about it.  
Get it out of the way and be able to close up out of view when I need to.

b

rick <parnell68@hotmail.com> wrote:

>to remind him of how important water is but also to protect the gear  
>from spillage when one has it on oneself...sheesh...

>

>

>

>On Wed, 19 Jul 2006 11:05:55 -0600, "DJ"

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Subject: Re: Patch bays?

Posted by [Dubya Mark Wilson](#) on Thu, 20 Jul 2006 03:33:53 GMT

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May I ask what you have done then to make sure your analog PARIS inputs don't screw your signal path? Mod? Ties? Hardwired?

Dubya

"EK Sound" <askme@nospam.com> wrote in message news:44be7b9b@linux...

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> that matter) jack than with an XLR. The XLR has a good solid connection,  
> whereas the 1/4" jacks can move (rotate) with vibration.

---

Subject: Re: Patch bays?

Posted by [EK Sound](#) on Thu, 20 Jul 2006 15:11:07 GMT

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This is a multi-part message in MIME format.

-----070609060205060705050004

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Not sure I understand the question... we had the TRS cables from the MEC's attached to Tuchels on the back of the MCI, which were hardwired to the Bantam bay on the console... This worked just fine, but "mic level" signals didn't get passed through the bantam bays (we have XLR

patching for that (see pic). All mic inputs are hard terminated on the back of the XLR patch directly to console and pre inputs We recently sold the MCI and bought a DM2000... using Nuendo as a primary tracking app now, Paris is connected to the DM via light pipe for summing.

TRS and bantam are just fine for line level... I personally don't think they are suitable for mic level. Just my opinion.

David.

Dubya Mark Wilson wrote:

> May I ask what you have done then to make sure your analog PARIS inputs  
> don't screw your signal path? Mod? Ties? Hardwired?  
>  
> Dubya  
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