
Subject: Cubasers... I got a problem PLEASE HELP!!
Posted by [brandon\[2\]](#) on Sat, 26 May 2007 12:01:38 GMT
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I don't know if this just started or if it has always been there...I have been more focused on learning Cubase than listening to Cubase. We are recording the Vox over those Nylon guitars this morning and I noticed something last night while setting up and doing an equipment check....There is very noticeable phasing on the mic thru the monitoring headphones.

I got a 3ms latency.

I thought man...am I hearing that? So I bumped the buffers down as far as they can go..to 1ms..I could still hear it just the same. So that can't be it.

I set my buffers back to 3ms.

I noticed some popping too which turned out to be my preonus wasn't clock locked to my motu. After I clock locked it no more pops. Which brings me to another part of the quest...

Initially I was running the mic thru the Preonus--ADAT out---Motu I thought maybe the Preonus is doing this....so I plugged directly to the Motu and same thing.

I tried using the Motu as the master clock and the preonus as the master clock.

No change.

I twiddled with every setting I could find in Cubase that looked related and no change.

I tried different microphones.

No change.

It sounds like there are two identical signals being sent to the main outs/headphones.

I thought hmmm maybe the Direct monitoring was somehow enabled... But it was disabled and I opened Cue Mix and disabled the main outs just in case and closed it again.

No change.

I am starting to think the Motu is defective.

I tried opening a new project and adding an audio track so I was sure there was no processing...No Change.

It is very noticeable on the headphones.

Not as noticeable during playback, but I swear I can hear artifacts of it on recorded vocal material.

Does anyone have a clue what this might be?

B

Subject: Re: Cubasers... I got a problem PLEASE HELP!!
Posted by [neil\[1\]](#) on Sat, 26 May 2007 15:52:45 GMT

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

>Does anyone have a clue what this might be?

Check under your "device setup" menu in Cubase, is it possible you've got the wrong driver selected? IOW you're using the MOTU as your main niterface, but you've got a generic Windows ASIO driver picked as the master (so it's passing sound, but not in sync).

I would start there, then check all the other settings under "devices" & related stuff.

Neil

Subject: Re: Cubasers... I got a problem PLEASE HELP!!

Posted by [Deej \[4\]](#) on Sat, 26 May 2007 18:12:41 GMT

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You need to be using ASIO direct monitoring. Even at 1.5ms latency you will hear some phasing because you are not only getting 1.5ms latency due to the uffers, you are also getting around 1.5ms with your AD/DA conversion. As to hearing this on previously recorded material, I don't know, but it sounds like you've got some kind of loop with the recorded tracks being monitored in the record enabled track. Ain't native fun?

Go to your control panel for you audio hardware and make sure ASIO direct monitoring is enabled. then, in cubase, go to Device Setup and .set your system for ASIO direct monitoring.

Deej

"brandon" <a@a.com> wrote in message news:465821a2\$1@linux...

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Subject: Re: Cubasers... I got a problem PLEASE HELP!!
Posted by [brandon\[2\]](#) on Sat, 26 May 2007 20:29:45 GMT
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I am using the Motu ASIO driver.

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I hear an 1176..matby one will appear in my studio..(((making my Hiro Nokamora face >~()))

I used to have Direct Monitoring enabled...but if you recall one of my last problems was.... not being able to use VST plugs on live material or hear them in realtime on a track I was recording. The problem was Direct Monitoring. So that is why I disabled it. Which brings us to another problem...

I tried enabling Direct Monitoring just to test if that was the issue. Every time I would delect Direct Monitoring in the Decvice Setup Cubase would crash. Why? It used to function fine.

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thx
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"DJ" <www.aarrrrggghh!!!.com> wrote:
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Subject: Re: Cubasers... I got a problem PLEASE HELP!!

Posted by [brandon\[2\]](#) on Sat, 26 May 2007 20:40:06 GMT

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DJ,

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hmm...I will have to look around.. I might even have to get on the manual.

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Subject: Re: Cubasers... I got a problem PLEASE HELP!!
Posted by [gene lennon](#) on Sun, 27 May 2007 01:52:55 GMT
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Do you have MOTU CueMix Console?
Gene

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Subject: Re: Cubasers... I got a problem PLEASE HELP!!
Posted by [brandon\[2\]](#) on Sun, 27 May 2007 02:27:19 GMT
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Posted by [gene lennon](#) on Sun, 27 May 2007 02:39:19 GMT
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CuMix is a software console that allows zero (actually a few samples of delay) latency monitoring using MOTU hardware. I use it with Digital Performer, which controls it automatically. You should have a detailed manual that came with the MOTU I/O box or the upgraded PCI card (if you have a new 424). This is how you get rid of the recording delay, but not while using VST plugins.

Gene

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

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If you are not using direct monitoring then have to make absolutely sure you are not monitoring the source in the MOTU cure mix or anywhere else other than the Cubase. If you are then you getting the original dry hardware sound mixed with the delayed software. If you are then no matter how low your latency is there will be some phasing or echo.

Chris

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>>> monitoring is enabled. then, in cubase, go to Device Setup and .set your
>>> system for ASIO direct monitoring.
>>>
>>> Deej
>>>
>>> "brandon" <a@a.com> wrote in message [news:465821a2\\$1@linux...](mailto:news:465821a2$1@linux...)
>>>
>>>> I don't know if this just started or if it has always been there...I
>>>>
> have
>
>>>> been more focused on learning Cubase than listening to Cubase.
>>>> We are recording the Vox over those Nylon guitars this morning and I
>>>>

>
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>>>> something last night while settings up and doing an equipment
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>>>> is very noticable phasing on the mic
>>>> thru the monitoring headphones.
>>>> I got a 3ms latency.
>>>> I thought man...am I hearing that? So I bumped the buffers down as far
>>>>
>> as
>>
>>>> they can go..to 1ms..I could still hear it just the same. So that cant
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>> be
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>>>> it.
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>>>> I tried using the Motu as the master clock and the presonus as the master
>>>> clock.
>>>> No change.
>>>> I twiddled with every setting I could find in Cubase that looked related
>>>> and no change.
>>>> I tried different microphones.
>>>> No change.
>>>> It sounds like there are two identical signals being sent to the main
>>>>
>>>> outs/headphones.
>>>> I thought hmmm maybe the Direct monitoring was some how enabled... But
>>>>
>> it
>>
>>>> was disabled and I opened Cue Mix and disabled the main outs just in
>>>>

> case
>
>>>> and closed it again.
>>>> No change.
>>>> I am starting to think the Motu is defective.
>>>> I tried opening a new project and adding an audio track so I was sure
>>>>
>>>> there
>>>> was no processing...No Change.
>>>> It is very noticable on the headphones.
>>>> Not as noticable during playback, but I swear I can hear artifacts of
>>>>
>> it
>>
>>>> on recorded vocal material.
>>>>
>>>> Does anyone have a clue what this might be?
>>>>
>>>> B
>>>>
>>>>
>>>
>
>

--

Chris Ludwig
ADK
chrisl@adkproaudio.com <mailto:chrisl@adkproaudio.com>
www.adkproaudio.com <http://www.adkproaudio.com/>
(859) 635-5762

Subject: Re: Cubasers... I got a problem PLEASE HELP!!
Posted by [brandon\[2\]](#) on Mon, 28 May 2007 02:46:15 GMT
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Guys,

Direct Monitoring is controlled by cubase on the Motu 8pre.
I got it working again.
The problem I had is you cant have a project open and switch direct monitoring on and off willy nilly. With no project open I had no problem enabling direct monitoring.
I got it working... I think that may have fixed the phasing, but now I swear thru the CueMix Console the signal sounds...muddy..bassy...not well defined.
Hmm... I will have to mess with it some more.

I am testing it thru a SM57 and a CAD LDC tube mic.
I did get the talk back function working which is cool.
I will have to get one of those nifty lapel mics or cheap computer mics to install on my console for talk back.

So now back to the situation of getting some verb or other effects on the live monitored sound?

How are you guys handling this?

Am I the only one who likes to record this way or what?

It really help me get into the mood of the performance when I juice up the live feed a bit with effects that fit what I am trying to do...it isnt what

I end up keeping , but it help with the mood.

thx
b

Chris Ludwig <chrisl@adkproaudio.com> wrote:

>HI Brandon,

>If you are not using direct monitoring then have to make absolutely sure

>you are not monitoring the source in the MOTU cure mix or anywhere else

>other than the Cubase. If you are then you getting the original dry

>hardware sound mixed with the delayed software. If you are then no

>matter how low your latency is there will be some phasing or echo.

>

>Chris

>

>

>Brandon wrote:

>> DJ,

>> When I go to my MOTU device setup... I dont recall seeing anything about

>> direct monitoring, but there must be....

>> hmm...I will have to look around.. I might even have to get on the manual.

>>

>> b

>>

>>

>>

>>

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

>>

>>> guys,
>>> I forgot to mention that I had checked the ASIO driver.
>>> I am using the Motu ASIO driver.
>>>
>>> I swear that I can hear the phasing on recorded materials that I heard
phasing
>>> on in the headphones while monitoring. Not just any old recorded track.
>>>
>> It
>>
>>> might be my mind thinking it hears it because I am afraid that I am gonna
>>> hear it...know what I mean...Hmmm... If that is the case I am gonna try
>>>
>> thinking
>>
>>> I hear an 1176..matby one will appear in my studio..(((making my Hiro
Nokamora
>>> face >~()))
>>>
>>>
>>> I used to have Direct Monitoring enabled...but if you recall one
>>> of my last problems was.... not being able to use VST plugs on live material
>>> or hear them in realtime on a track I was recording.
>>> The problem was Direct Monitoring. So that is why I disabled it.
>>> Which brings us to another problem...
>>>
>>> I tried enabling Direct Monioting just to test if that was the issue.
Every
>>> time I would delect Direct Monitoring in the Decvice Setup Cubase would
>>>
>> crash.
>>
>>> Why?
>>> It used to function fine.
>>>
>>> ???
>>> thx
>>> b
>>>
>>>
>>>
>>>
>>>
>>>
>>> "DJ" <www.aarrrrggghhh!!!.com> wrote:
>>>
>>>> You need to be using ASIO direct monitoring. Even at 1.5ms latency you
>>>>

>> will
>>
>>>> hear some phasing because you are not only getting 1.5ms latency due
to
>>>>
>>> the
>>>
>>>> uffers, you are also getting around 1.5ms with your AD/DA conversion.
As
>>>>
>>> to
>>>
>>>> hearing this on previously recorded material, I don't know, but it sounds
>>>> like you've got some kind of loop with the recorded tracks being monitored
>>>> in the record enabled track. Ain't native fun?
>>>>
>>>> Go to your control panel for your audio hardware and make sure ASIO direct
>>>> monitoring is enabled. then, in cubase, go to Device Setup and .set
your
>>>> system for ASIO direct monitoring.
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"John" <no@no.com> wrote:

>

>I'm using control room studio mixes at 3ms latency and it works great here.

> Effects and all.

Subject: Re: Cubasers... I got a problem PLEASE HELP!!

Posted by [brandon\[2\]](#) on Tue, 29 May 2007 03:27:57 GMT

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Well we did the vox today.

I had it setup with direct monitoring.

I spent a couple hours getting familiar with the whole setup so I was comfortable and able to get around with it...

After the first take the vocalist asked for reverb.

So....out the door it went.

I had to switch back to the other method.

There was no problems.

Actually I didn't even try to hear any phasing.

The session went very well.

Very capable singer.

Stays on pitch pretty darn well.

The only issue I had was her dynamics were extreme.

I usually compress the vox to disk subtly.

Maybe 2db to 4db at the most.

She sang so softly in some parts and so loud in the others that it took me a while to get the threshold just right.

She ended up spiking the comp with up to 8db-10db.

More than I like but it turned out well.

I suppose I could have backed off the ratio a bit, but I wasn't thinking.

To busy trying to "look" professional.

Anyway.

I got a nice foundation to mix with.

I am pleased with the tracking.

I would have liked for her to sing more harmony parts, but she really didn't care for the song too much and wasn't willing to do more than 5 takes total.

Oh well.

It will be fun mixing.

Thanks for all the help with this thread.

I will post the finished product when I get there.

b

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This is why I absolutely love my Forssell CS-1. I can set it up with massive amounts of compression and it will be transparent under all but them most extreme circumstances.....plus, while it is compressing, something very nice happens to the signal..

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- > Thanks for all the help with this thread.
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- >

Glad you got it happening.

Deej

Subject: Re: Cubasers... I got a problem PLEASE HELP!!
Posted by [brandon\[2\]](#) on Tue, 29 May 2007 15:59:11 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

(This is why I absolutely love my Forssell CS-1. I can set it up with massive amounts of compression and it will be transparent under all but the most extreme circumstances.....plus, while it is compressing, something very nice happens to the signal..)

I am still using my RNC.
I have had very good success with it in Nice Mode.
However, if you dont watch it you can get a squashed sound quickly.

b
-----=_NextPart_000_0046_01C7A1E0.63151220
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 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial></FONT><BR><BR>(This is why I absolutely love my =
Forssell=20
CS-1. I can set it up with massive <BR>amounts of compression and it =
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<DIV><FONT face=3DArial></FONT>&nbsp;</DIV>
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<DIV><FONT face=3DArial>b</FONT></DIV></BODY></HTML>
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