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Subject: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Mike Audet](#) on Sun, 27 Jul 2008 14:43:41 GMT  
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Hi All,

The metronome is done!!!

Heartbeat allows for 5 tempo and time signature ranges. It produces a very short, cross-faded sign wave that is so short that it sounds like a click.

The frequency of the tone is selectable via the "Tone" knob. The "Bar" and "Beat" knobs show the current bar and beat of the project. The "Offset" knob allows adjusting the metronome so that it is in synch with a MIDI sequencer that might be slightly delayed due to driver latency.

Available at [ensoniq.ca](http://ensoniq.ca)

Cheers!

Mike

---

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [kerryg](#) on Sun, 27 Jul 2008 20:52:12 GMT  
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Mike, you rock!

I got some more info up on the Wiki about your plugs, but I'm snowed under with three overlapping project deliveries right now. So if anyone wants to take a poke at updating more of the plugin listings for Mike's plugins, listed at <http://www.ensoniq.ca> , they're linked at:

[http://www.kerrygalloway.com/WikiPARIS/wikka.php?wakka=MikeA udet](http://www.kerrygalloway.com/WikiPARIS/wikka.php?wakka=MikeA%20udet)

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5) use this as a "cut and paste" template for additional plugin pages to save time -

<http://www.kerrygalloway.com/WikiPARIS/wikka.php?wakka=VkCompressor> - so rather than wasting time creating a new entry from scratch, double click on that page, copy, paste to the new plugin page you're working on and change a) title, b) Mike's comments, c) URL for the image, and d) all references to the Variable Knee Compressor" to appropriate ones.

6) You don't have to worry about the "Controls Explained" or "Bugs/Peculiarities" or "Suggested Applications" entries unless you want to - we can add more info once the basic framework is complete. Having said that, if you have things you've discovered about the plugins, by all means!

Great work, Mike!

- Kerry

On 7/27/08 7:43 AM, in article 488c899d\$1 @linux, "Mike Audet" <mike@...> wrote:

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Mike Audet](#) on Sun, 27 Jul 2008 21:40:49 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks, Kerry!

I just managed to compile the Paris Studio Control Library, and I filled the ADAT cpp file with debug code. I make no promises, but I hope to fix

it.

All the best!

Mike

Kerry Galloway <kg@kerrygalloway.com> wrote:

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Tom Bruhl](#) on Mon, 28 Jul 2008 00:27:03 GMT  
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---

ah hummmmmm...

Mike, did you say you're working on the multi ADAT card bug in XP? Or even the ADAT sync issues? I was excited just to hear the metronome was finished so quickly!

Wow,  
Tom

"Mike Audet" <mike@...> wrote in message news:488ceb61\$1@linux...  
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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Mike Audet](#) on Mon, 28 Jul 2008 12:51:00 GMT  
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That's what I'm after. :)

I did a ton of debugging last night, and I'm almost positive that I tracked it down to a timing problem in adat.dll. adat.dll was never updated as part of the update to the PSCL that was released with the driver. Also, it returns error code 7, which means that something timed out while it was waiting for the module to respond - it probably didn't wait long enough. let's hope that's all it is.

Cheers!

Mike

"Tom Bruhl" <arpeggio@comcast.net> wrote:

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>"Mike Audet" <mike@...> wrote in message news:488ceb61\$1@linux...

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Aaron Allen](#) on Mon, 28 Jul 2008 13:03:35 GMT  
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Given what I've seen and learned about Paris in the last decade, I'd say you probably hit it right on the head. I was told years ago that it was a timing bug that Ensoniq had timed the hardware searches off the CPU clock, and due to the huge change since then in that as a clock 'standard' (IE, pentium 200 vs pentium III/IV) for said searches it had to have a loop placed in it to allow things to be found w/o timing out the initialization of the hardware. This was the explanation given for why does XP take SO long to boot in comparison to opening Paris in aWinME/98.

AA

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Hi James,

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As for the 24 bits, I'd almost bet anything that assuming the chips respond to the same commands in the same way, switching them would allow 24 bits to pass. The driver code I'm working with is at a higher level. If there was a software solution, I think it would be at the firmware level, which I don't have.

What chips are they? I'd give it a try.

Cheers,

Mike

"James McCloskey" <excelsm@hotmail.com> wrote:

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>Hey Mike! Great work! What's the word on the Mac versions of the plugins?

>

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>I once asked Edmund P., if you switched out the Alesis version 1 E-POM chip  
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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [kerryg](#) on Mon, 28 Jul 2008 19:39:28 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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Are the EPROMS in sockets, or soldered to the boards?

That strikes me as pretty close to a "must have" upgrade, and if your speculation turns out to be correct, it sounds to me like some enterprising PARIS user with electronic skills might be able to make some side money upgrading ADAT cards for we of lesser skills.

- Kerry

On 7/28/08 11:35 AM, in article 488e116e\$1@linux, "Mike Audet" <mike@...> wrote:

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Tom Bruhl](#) on Mon, 28 Jul 2008 19:43:59 GMT  
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Mike,  
I know my buddy who has fixed three Mecs with a smoked chip  
will do the same for the ADAT cards if the proper chip is found.

I'd be all over that one.  
Tom

"Kerry Galloway" <kg@kerrygalloway.com> wrote in message  
news:C4B36E80.B416%kg@kerrygalloway.com...  
> Are the EPROMS in sockets, or soldered to the boards?  
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> - Kerry  
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> On 7/28/08 11:35 AM, in article 488e116e\$1@linux, "Mike Audet" <mike@...>  
> wrote:  
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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [excelav](#) on Mon, 28 Jul 2008 20:08:41 GMT  
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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Tom Bruhl](#) on Mon, 28 Jul 2008 20:09:59 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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Thanks Mike,  
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"James McCloskey" <excelsm@hotmail.com> wrote in message  
news:488e2749\$1@linux...

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [kerryg](#) on Tue, 29 Jul 2008 00:42:30 GMT  
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I put a little research time in today looking for choices for an upgrade of that chip and drew a blank. Got any leads? This is an extremely interesting development, I'd gamble a few bucks on being a guinea-pig.

- Kerry

On 7/28/08 1:08 PM, in article 488e2749\$1 @linux, "James McCloskey"

<excelsm@hotmail.com> wrote:

>

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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Mike Audet](#) on Tue, 29 Jul 2008 00:47:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Thanks, Tom. I do what I can. :)

"Tom Bruhl" <[arpeggio@comcast.net](mailto:arpeggio@comcast.net)> wrote:  
>James said:  
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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [Aaron Allen](#) on Tue, 29 Jul 2008 01:22:17 GMT  
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---

I could be wrong, but I thought in the past it was discussed that the software has nothing to do with the bitrate, other than switching 16 or 24 bit capture? IIRC, that was discovered when the project to make AES modules out of IF2's was being pursued.

AA

"Tom Bruhl" <arpeggio@comcast.net> wrote in message news:488e2322@linux...  
> Mike,  
> I know my buddy who has fixed three Mecs with a smoked chip  
> will do the same for the ADAT cards if the proper chip is found.

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> I'd be all over that one.  
> Tom  
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Subject: Re: \*\*\*\*\*PARIS Heartbeat Released\*\*\*\*\*  
Posted by [excelav](#) on Tue, 29 Jul 2008 06:03:21 GMT  
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Kerry, this was a custom Alesis Adat chip. The first step would be to contact Alesis and inquire about buying a later version of the chip that was designed for 24bit. They use to have an OEM partner department for all the ADAT partners. I'm sure they still do licensing and sell OEM parts. There may be somebody still around that worked with Ensoniq when they supplied them with the chip. It's going to be a long shot, but it's worth a try. Maybe they can look the chip up and tell you what the last version on that chip was and give you a spec sheet or technical white paper on it. The newer replacement chip might be used in products like AI1-4, the Masterlink, or the Adat HD24. FYI, I think you will get farther if you approach them as a company, than as an individual.

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