



Advanced Virtual DJ configuration Using ASID4ALL and Timecoded vinyls

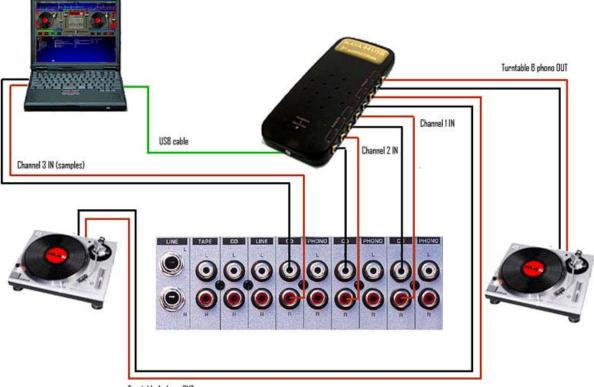
This document will explain how to configure Virtual DJ to use the TimeCoded Vinyls and an external mixtable. The goal is to play the 2 main outputs on the Maya USB soundcard, and the samples on another soundcard.

1. <u>Requirements</u>

The minimum requirements are:

- External mixer with at least 3 channels
- Maya44 USB soundcard
- Additional sound card (laptop integrated soundcard or any PCI/USB soundcard)
- 2 turntables
- 2 TimeCoded Vinyls

2. Plug connexion



Turntable A phono OUT

This is the standard configuration for TimeCoded Vinyls use. But we also plug to the mixer another soundcard.

3. <u>ASIO4ALL</u>

To use TimeCoded Vinyls, Virtual DJ must use the ASID mode. But in this mode you'll only see the Maya soundcard, because your PCI/integrated soundcard is not an ASID soundcard. So we need an ASID emulator.

Just go to http://www.asio4all.com/ and download ASIO4ALL.

After installing ASIO4ALL, launch it, you should see a screen like that:

ASI04ALL v2.5 Control Panel - www.asio4all.com	n - feedback@asio	4all.com 🔀
WDM Device List	Legend	111
🞵 Creative EMU10K1 Audio Processor (WDN	🎵 Running	L R. M.
🔲 Realtek AC'97 Audio	🞵 Available	MANNER, AND A
🔲 Haut-parleurs USB	💢 Unavailable	A ANY WALLAND
Haut-parleurs USB	🤥 Beyond Logic	1 IN M. AMINA
Périphérique audio USB	\sim	ASIO4ALL
ASIO Buffer Size = 512 Samples	Select	Advanced Load Defaults
Vendor: Creative Technology, Ltd. (ctaud2k.sys)		ASIO Prepared / 44100Hz

Click on the "Advanced" button, and then enabled:

- OUT and IN on the Maya sound card
- OUT only on the other soundcard (in this example, Creative SB Live!)

If you have more soundcards in your computer, be sure they're not enabled in ASIO4ALL.

ASI04ALL v2.5 Control Panel - www.asio4all.	com - feedback@asi	o4all.com 🔀
WDM Device List Creative EMU10K1 Audio Processor (W Audio SB Live! [DF80] IN 2x 8-48kHz, 16Bits OUT 6x 4-191.9kHz, 32Bits Realtek AC'97 Audio Haut-parleurs USB Auto-parleurs US	Legend Running Available Unavailable Beyond Logic	Latency Compensation In: 32 Samples Out: 32 Samples Use Hardware Buffer (Does not always work) Kernel Buffers: 2 AC97 Troubleshooting Always Resample 44.1 kHz <-> 48 KHz Force WDM Driver To 16 Bit
ASIO Buffer Size = 512 Samples	Disable	Simple Simple Load
Vendor: Creative Technology, Ltd. (ctaud2k.sys)		ASIO Prepared / 44100Hz
ASI04ALL v2.5 Control Panel - www.asio4all.	com - feedback@asi	o4all.com 🗙
WDM Device List OUT 6x 4-191.9kHz, 32Bits Realtek AC'97 Audio Haut-parleurs USB Périphérique audio USB Périphérique audio USB OUT 4x 44.1-48kHz, 16Bits IN 4x 44.1-48kHz, 16Bits ASIO Buffer Size = 512 Samples	Legend Running Available Beyond Logic	Latency Compensation In: 32 Samples Out: 32 Samples Use Hardware Buffer (Does not always work) Kernel Buffers: 2 AC97 Troubleshooting Always Resample 44.1 kHz <-> 48 KHz Force WDM Driver To 16 Bit Simple Load Defaults
Vendor: Creative Technology, Ltd. (ctaud2k.sys)		ASIO Prepared / 44100Hz

4. Virtual DJ configuration

Launch Virtual DJ, and go to the soundcard setting. Select "Low latency TimeCoded Vinyls" mode, and then select the "ASIO4ALL v2" soundcard, like that:

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Raccourcis clavier Cartes son	Réseau Controle Général		Extensions Vid res FAME	leo Infos Skin
	×7	ASIC	Carte Son)4ALL v2	•
	ADVIANCED CONFIG		Config Timecode	e
LOW LATENCY				
		Ţ		
		[OK	Annuler

Then click on the "Timecode config..." button:

5ound Card	TINput: Ch	an 1&2 : Left / Chan 3&4 : Right 💌
ASIO Config		an 1&2 : Samples / Chan 3&4 : Left / Chan 5&6 : Right
.eft Turntable	Silent 🥝	Right Turntable
	fig	Auto-Config

Check that the soundcard is "ASID4ALL v2".

In the "Input" field, select "Chan 182 : Left / Chan 384 : Right". Than means we'll use the 4 IN channels (2 x stereo) of the virtual soundcard (that belong to the IN channels of the Maya).

In the "Dutput" field, select "Chan 182 : Samples / Chan 384 : Left / Chan 586 : Right". That means we'll use the 1st 2 DUT channels of the virtual soundcard (that belong to the OUT channels of the SB Live!) for the samples, and the 4 other OUT channels (that belong to the OUT channels of the Maya) for the main outputs. Then click "DK" (or configure the TimeCoded Vinyls if you want).

This should work if your additional soundcard is a 2 channels only soundcard. If you don't hear any sound, or if channels are not correctly assigned, please read the following step.

5. Advanced channels assignment (experts only)

In our example, the SB Live! Sound card has 6 channels:

ASI04ALL v2.5 Control Panel - www.asio4all.co	m - feedback@asio4	4all.com 🔀
WDM Device List	Legend	Latency Compensation
🖃 🎵 Creative EMU10K1 Audio Processor (W🔺	🞵 Running	In: 32 Samples -
□ ☐ Audio SB Live! [DF80] ☐ IN 2x 8-48kHz, 16Bits	🚺 Available 🔀 Unavailable	Out: 32 Samples -
🎵 OUT 6x 4-191.9kHz, 32Bits	Beyond Logic	Use Hardware Buffer (Does not always work)
Image: Bealtek AC'97 Audio Image: Bealtek AC'97 Audio Image: Bealtek AC'97 Audio		Kernel Buffers: 2
🕀 🞵 Haut-parleurs USB	/	AC97 Troubleshooting
🖃 🞵 Périphérique audio USB 🛛 👻 👻		Always Resample 44.1 kHz <-> 48 KHz
		Force WDM Driver To 16 Bit
ASIO Buffer Size = 512 Samples	Disable	Simple Load Defaults
Vendor: Creative Technology, Ltd. (ctaud2k.sys)		ASIO Prepared / 44100Hz

Channels O & 1 are not used, channels 2 & 3 belong to the main output, and channels 4 & 5 belong to the surround output. We only want to use the main output, so we'll use only channels 2 & 3. The Maya USB sound card has 4 channels:

ASIO4ALL v2.5 Control Panel - www.asio4all.com - feedback@asio4all.com						
WDM Device List	Legend	Latency Compensation				
🎵 OUT 6x 4-191.9kHz, 32Bits 🛛	🖌 🎵 Running	In: 32 Samples -				
	🞵 Available 🏹 Unavailable	Out: 32 Samples -				
🕀 🎵 Haut-parleurs USB	🔞 Beyond Logic	Use Hardware Buffer (Does not always work)				
Périphérique audio USB ¶ Périphérique audio USB		Kernel Buffers: 2				
🞵 OUT 4x 44.1-48kHz, 16Bits		AC97 Troubleshooting				
🚺 IN 4x 44.1-48kHz, 16Bits 🛛		☑ Always Resample 44.1 kHz <-> 48 KHz				
		Force WDM Driver To 16 Bit				
ASIO Buffer Size = 512 Samples	Disable	Simple Defaults				
Vendor: Creative Technology, Ltd. (ctaud2k.sys)		ASIO Prepared / 44100Hz				

We'll use all the channels of this card (6, 7, 8, 9). So we'll use the following virtual channels (of ASIO4ALL): 2, 3, 6, 7, 8, 9

This can't be set in the configuration panel of Virtual DJ. To do that, please close Virtual DJ. Then launch Regedit, go to "HKEY_LOCAL_MACHINE\SOFTWARE\VirtualDJ", and edit the "TimecodeConfigMapChanDut" key:

Modific	ation	de	la v	aleu	ır bi	naire		? 🔀
<u>N</u> om de	la vale	eur :						
Timeco	deCon	figMa	apCha	anOu	t			
<u>D</u> onnée	s de la	vale	ur:					
0000	00	01	02	03	04	05		
							OK	Annuler

Then assign the correct channels and click on the "OK" button. You should see the following screen:

😥 TimecodeConfigIn	REG_DWORD	0x00000000 (0)
🔀 TimecodeConfigMapChanIn	REG_BINARY	00 01 02 03
🔀 TimecodeConfigMapChanOut	REG_BINARY	02 03 06 07 08 09
🕮 TimecodeConfigOut	REG_DWORD	0x0000003 (3)

Close regedit, and launch Virtual DJ. Do not change anything in the sound configuration, just play!



If you don't see all the channels of your Maya, you must uninstall the drivers from Audiotrak, and use the standard drivers from Microsoft.

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<u>Special Thanks to:</u> Damien Schmit , Yannick Biet, Nicolas Léger, Gwénaël Després and the whole user-team of the website.