Configuration of Traktor 3.3 for Denon DN-HC4500

Introduction

This document is meant as a quick step manual to let the Denon DN-HC4500 controller work together with Traktor 3.3.

1. Download and Installation of Traktor 3.3

You can download the Traktor 3.3 directly from the homepage of Native Instruments. Click this link to get to Traktors site. Here are two installation files. (Win / Mac)

http://www.native-instruments.com/index.php?id=traktor3



After download of the software unzip the setup file and double click it to install Traktor 3.3. Start Traktor 3.3 after the installation is completed.

Run the application in the Demo mode. In that mode Traktor 3.3 offers to you the same functional range as a registered version. The one difference is that this application closes automatically after 30 minutes. So you need to restart it again.

S TRAKTOR 3	Thank you for using Native Instruments Traktor 3!		
Activate	Buy	Demo	
Launch the Service Center to activate Traktor 3.	If you do not own Traktor 3, you can use our locator to find a dealer in your area or buy it in the Native Instrument online shop.	Run Traktor 3 in demo mode. • Recording is disabled • Quits after 30 minutes	
► Activate	► Buy	► Run demo	
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2. Configuration of Traktor 3.3

This chapter shows you how to configure your version of Traktor 3.3 for direct compatibility with the Denon DN-HC4500 controller.

- Be sure that the DN-HC4500 is connected to your computer via a USB port. (How to connect the device with other hardware like PC / Mixer can be read inside the DN-HC4500 manual)
- Users of Windows XP should also ensure that the most recent version of the DN-HC4500 device driver is installed on their system.
- Save the attached DN-HC4500_LED (T3.3).tks file to your hard drive.

STRAKTOR DEMO	MIDI AUDIO CPU MASTER	BAT REC 17:50 Effects & Master	
LAYOUT CONFIGURATION C Customize the current Layout via context menu by right-/ctrl clicking anywhere on this header.	Mode Key A Image: Channel F:92 Snap Lock Amt O/L Frq CD O Image: Channel F:92 Image: Channel F:92 Vinyl O Reset Quarter	LP A + Spd Channel F:92 LP B + Lock Amt Q/L Frq Spd Channel F:92 LP B + Lock O, C Amt Q/L Frq Spd O, C Amt Q/L Frq Spd O, C Amt Q/L Frq Spd O, C Amt D, C Amt C Am	Gain Lim CFCur Bai Vot D Piay + a - +
A Keep_on (short version) Ronald van Aggelen	REM -02:00 PITCH EPM 135.0 0.0 EPM 135.0 0.0 EPM 135.0 0.0 Bal PreEQ On High Cue MidHi Gain Off Set Cue Key	Master CH: Deck Xone:92 PreEQ PreEO Bal MidHi Ph Vol Gain MidHi Ph Mix I I MidLow Low Low Low Low Low Low Low Low Low	short ver REM -02:12 PITCH BPM 131.0 0.0
Current Playlist	Title ○ A ◆ Keep_on (short version) ○ B ◆ Back From Exile (short version) ○ ◆ → Pacemaker (short version) ○ ♦ Wired (short version)	Artist ✓ Ronald van Aggelen ✓ Breitbannt ✓ Arthur Oskan ✓ Raumton	Time BPW ♥ <
Hack condition Track condition Playlists / Mixes Audio Recordings Mix Recordings Mix Recordings Trunes 4 songs, 9.4 mins, 7.4 MB Ready	F1: Current Playlist F3: not assigned F2: Track Collection F4: not assigned	 F5: not assigned F7: not assigned F6: not assigned 	 F9: not assigned F10: not assigned

- Start Traktor 3.3 and select 'Preferences'

2.1 Preferences

Inside preferences you can do all configurations to let the DN-HC4500 controller work with Traktor 3.3.

a) Expand the 'Audio Setup" and choose 'Soundcard'

Preferences			×
Preferences			
Audio Setup Cock Preferences Browser Preferences Recording Broadcasting Hotkey & MIDI Setup Appearance External Sync	Please select	a category in the tree on the left side.	
Preferences			
 Audio Setup Soundcard Output Routing Input Routing Tracking Deck Preferences Browser Preferences Recording Broadcasting Hotkey & MIDI Setup Appearance External Sync 	Audio Device Sample Rate Audio Latency	DS DN-HC4500 44100 Hz * 40.5 ms *	

b) If not already done choose the "Denon DJ ASIO Driver"

Preferences			
Preferences Audio Setup Soundcard Output Routing Input Routing Tracking Deck Preferences Browser Preferences Recording Broadcasting Hotkey & MIDI Setup Appearance	Audio Device Sample Rate Audio Latency	Audio 8 DJ DENON DJ ASIO Driver Hercules DJ Console Mk2 ASIO SL 1 Driver TTM 57SL Driver DS Audio 8 DJ (Ch D, Out 7 8) DS Audio 8 DJ (Ch A, Out 1 2) DS Audio 8 DJ (Ch B, Out 3 4) DS Audio 8 DJ (Ch C, Out 5 6)	
🛨 External Sync		DS SoundMAX Digital Audio DS DN-HC4500	- 1
			_

c) Open the DN-HC4500 control panel

Preferences		
Audio Setup	Audio Device	DENON DJ ASIO Driver
Output Routing	Sample Rate	44100 Hz 🔻
⊘ Input Routing ⊘ Tracking	Audio Latency	11.5 ms
Deck Preferences Browser Preferences		
⊘ Recording ⊘ Broadcasting		
Hotkey & MIDI Setup Appearance		
External Sync ■ External Sync ■ ■ External Sync		

d) Check if your standard settings set and close this panel by clicking 'OK'.

DN-HC4500 0	Device Description		Sampling Rate -
	Device Name:	DN-HC4500_0	
	Unit Number:	0	44.1kHz
	Software Version:	1.001	an old to
	Audio input channels:	0	HBLUKHZ
	Audio output channels:	4	
	Sampling frequency:	44.1 / 48.0 / 96.0 kHz	
	Max bit resolution:	16 bit	96.0kHz
	Audio buffer size:	512	
	Audio Buffer Size		
	512sample(11ms)		

e) Choose 'Output Routing' and change the Mixer Mode to 'external'. Set the correct outputs to Traktors 'Out Channels'.

Preferences		
🗖 Audio Setup	Mixer Mode	Internal
O Output Routing	Out Channel A	Left (Mon(/ 1: DN-HC4500_0 1
 O Input Houting O Tracking 		Rig t 2: DN-HC4500_0 2 ▼
Deck Preferences O Loading	Out Channel B	Left (Mont) 3: DN-HC4500_0 3
O Transport Sound & Mixor		Righ 4: DN-HC4500_0 4 🚽
Browser Preferences Preservice	Out Channel C	Left (Mono) - not connected -
S Recording S Broadcasting		Right - not connected - 💌
 Hotkey & MIDI Setup Appearance 	Out Channel D	Left (Mono) - not connected -
🛨 External Sync		Right - not connected - 👻
	Out Preview	Left (Mono) - not connected -
		Right - not connected -

f) Return to 'preferences' and expand the 'Hotkey & MIDI Setup' menu.



 g) Select 'USB Audio Device' as the midi device. If not already activated, double click the 'USB Audio Device' entry to activate it.

Audio Setup	Midi In	Active	Port
Deck Preferences Browser Preferences			XP10
O Recording			Audio 8 DJ In
		x	USB Audio Device
Hotkey & MIDI Setup			
Hotkey Setup MDUnterfaces			
⊘ MIDI Setup	Midi Out	Active	Port
Appearance External Syna		x	USB Audio Device
E External Sync			Microsoft GS Wavetable SW Synth
			Audio 8 DJ Out

h) Return to the preferences menu and select "MIDI Setup". Click on 'Load' to open a browser window and select the **DN-HC4500_LED (T3.3).tks** you have stored on your hard drive.

Preferences		
Audio Setup Deck Preferences	MIDI Page	Page #1 +
 Browser Preferences Recording Broadcasting Hotkey & MIDI Setup Hotkey Setup MIDI Interfaces MIDI Setup Appearance External Sync 	Control Channel Type	Assigned
	MIDI Learn Channel OMNI Controller Attributes Contr Midl Control Type	Lock OMNI Reset
	Settings Load R Save	≭ Reset !
Apply		DK Cancel



i) Once the file has been imported press 'Apply'.

Preferences					
Audio Setup Deck Preferences	MIDI Page	Page #1 -			
Browser Preferences	Control Chan	nel Type Assigned			
Recording	Deck Tempo Deck	A Direct Pitch Bend (~			
O Broadcasting Hotton & MIDI Setup	Deck Tempo Deck	B Direct Pitch Bend (~			
O Hotkey Setup	Deck Pitch Bend Deck	A Up Note ??? (c			
⊘ MIDI Interfaces	Deck Pitch Bend Deck	A Down Note A-0 (c			
O MIDI Setup	Deck Pitch Bend Deck	B Up Note ??? (c			
Appearance External Suma	Deck Pitch Bend Deck	B Down Note A-0 (c			
External Sync	Deck Tempo Sync Deck	A Hold Note ??? (c			
	Deck Tempo Sync Deck	A Output CC 74 (ch1)			
	Add R Duplicate ! Delete !				
	MIDI Learn Learn Channel	OMNI 🔻 🗆 Lock OMNI 🔻 Reset !			
	Controller Attributes	- Control Type			
	Midi Control Type	*			
	Settings Load	Save Reset !			
Apply		OK Cancel			

More info about settings and functions of the Traktor 3.3 may be found in the user manual.

Straktor 3 Demo Mode - Native Ins	truments				
File View Help	_				
	MIDI AUDIO	CPU MASTER	BAT	REC 7:50 P	M Effects & I
Open Manual					
Visit Traktor 3 on the web	e Mode Key A	Channel F:s	92 LP A -	Key B	Channel
context n About Traktor 3	Snap Lock	Amt Q/L Fr	q Spd	Lock	Amt Q/L
clicking anywhere on this	CD 0.0	\sim \sim \sim \sim \sim \sim	$\prec_+ \searrow \prec_+$	0.0	<u> </u>
lieader.		On Reset Qua	ant Tap	\square	On Reset 0
Δ	REM -00:00 PI	CH EQ: CH: Xone:92 Deck	CH: Deck	EQ: Xone:92	
A	врм О	.0 Bal D PreEQ	PreEQ		
Master Slave Sync Master	< >> Tap -	High		High Maste	er Slave Sync
	•	Cue	Cue		In the second se
	B	MidHi Gain	Gain	MidHi	
	E -	,			
		- MidLow		MidLow	
		'			
Cue/⊁ Cue/Ⅱ	Dx4 Set Cue			Low	Cue/I
			· _ +		

You may also find helpful tips and hints about using the software in the NI user forum. https://www.native-instruments.com/forum_us/forumdisplay.php?f=122

3. Configuration of Traktor 3.3 for Denon DN-HC4500



Parameter Knob

Action	Effect
1 + Knob Turning	Low Adjust
2 + Knob Turning	Mid Adjust
3 + Knob Turning	High Adjust
1 + Knob Pressing	Low Cut
2 + Knob Pressing	Mid Cut
3 + Knob Pressing	High Cut
Knob Turning	Track Select
Knob Pressing	Load Track