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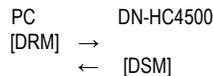
DN-HC4500 PLUG IN'S SOFTWARE IMPROVEMENTS



New & Current Plug In's as of August 2009 (Sys 1006)

- Improved MIDI for MAC OS X10.5.7
- Improved USB Audio clock synchronization between HC and computer
- Added New Preset, Item #10> “Touch Init. ” (Jog Wheel Initialize)
If your Jog Wheels do not respond properly you can now reset them with this new preset
- Added ‘ Identify Request ’ by MIDI Command (*for software developers*)

Identify request



[DRM]

CMD	Item	Data	Length
SOX	Start of System Exclusive	0xF0	1Byte
IDN	ID Number	0x7E:Universal NonRealTime Exclusive Message	1Byte
UN	Unit number	depends on preset mode (0x00 to 0x0F)	1Byte
SID	SubID1	0x06:General Information	1Byte
	SubID2	0x01:Identity Request	1Byte
EOX	End of System Exclusive	0xF7	1Byte

[DSM]

CMD	Item	Data	Length
SOX	Start of System Exclusive	0xF0	1Byte
IDN	ID Number	0x7E:Universal NonRealTime Exclusive Message	1Byte
UN	Unit number	depends on preset mode (0x00 to 0x0F)	1Byte
SID	SubID1	0x06:General Information	1Byte
	SubID2	0x02:Identity Reply	1Byte
IDC	ID code -> DENON DJ ID	0x004003	3Byte
FMC	Family Code	0x0003: Contrpler (LSB,MSB)	2Byte
FMN	Family number	0x0041(DN-HC4500) (LSB,MSB)	2Byte
VER	Software version information	0x***** ASCII code ex)0x31303030→Ver.1.000	4Byte
EOX	End of System Exclusive	0xF7	1Byte

Previous Plug In's also included with current build (from sys 1005)

- **Added Windows Vista support**

-See below for install instructions

- **Added New Preset, Item #6 > “Jog Trns Int” (Jog Pulse Transfer Interval)**

-This preset is designed to support slower/older computers by adjusting our jog data sending rate from 1ms~20ms

**IF your software program does not respond after fast jog movements adjust this time higher until good performance is found*

**Default is set to 3ms*

After installing firmware v1005 you are required to remove the older HC4500 driver from your computer

Instructions:

-DNHC4500 power should be ON and connected to your PC by its USB cable

*-On your Desktop, right-click, “**My Computer**” and select “**Properties**” then select the “**Hardware**” tab, then select “**Device Manager**”*

*-Scroll down and double-click on, “**Sound video & game controllers**”*

*-Look for “**USB Audio Device**”, highlight with mouse and right-click, then select “**Uninstall**”*

-When completed, turn DNHC4500 power OFF for a moment, then turn back ON.

**You should see, “New Hardware Found” dialog box pop open, then you are finished.*

**This procedure is only necessary for Windows*

Previous Plug In's also included with current build (from sys 1002)

- **Enabled CD control when DN-HC4500 is not connected to a PC**

-No instructions required, software improvement

- **Added Leopard MAC OS (Version10.5) support**

-No instructions required, software improvement

- **Added ALL (0x7F) to the MIDI channel of the MIDI configuration commands.**

-No instructions required, software improvement

- **Notification of Misprint in Operating Instructions (page 15, MIDI List)**

A1 Dimmer LED 0x3C -> 0x3E

A2 Dimmer LED 0x3D -> 0x3F

Updating procedure

1 Connect the computer by USB cable.

Turn on the device's power in the update mode.
Turning on the power in the update mode:
 Press the BACK and SOURCE buttons simultaneously on Deck1 or Deck2.
 The following appears on the device's panel display:

U	p	d	a	t	e		M	o	d	e
V	e	r	*	*	*	*				

on Deck1 The version information is displayed.

2

P	C		L	i	n	k	e	d		
D	o	n'	t		T	o	u	c	h	!

on Deck2

If the device is not yet connected, the following appears on the device's panel display:

P	C		D	i	s	c	o	n	n	.
.										

on Deck2

Launch the DN-HC4500 update program.
 The screen shown below appears on the computer.



Current version information
 The identified device name is displayed.

If the device is not connected or not in the update mode at this time, the screen shown below is displayed.
 If the update file has not been loaded, "File is not ready." is displayed.



3
-2

Update file not loaded



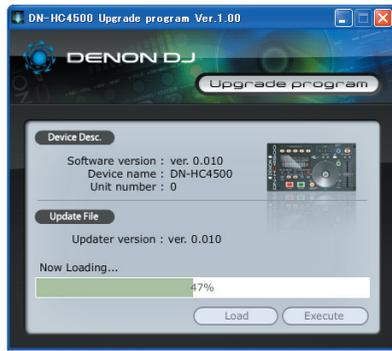
Drag and drop the update file to the "DENON DJ Upgrade program" screen. The Load button can now be selected.



4

The Load button can be selected.

Press the Load button to transfer the update file.



5
-1



The following is displayed on the device's panel:
 During file transfer:

U	p	d	a	t	e		M	o	d	e
L	o	a	d	i	n	g				

on Deck1

Once file transfer is finished;

U	p	d	a	t	e		M	o	d	e
*	*	*	*		>	>		*	*	*

(Left side: Old version; Right side: New version)

Once file transfer is finished, press the OK button. The Execute button is now enabled (can be pressed).

Press the Execute button to begin updating the version.
Once version updating is completed, "Updating is completed" is displayed.



6

The following is displayed on the device's panel during version updating:

On Deck1:

U	p	d	a	t	e		M	o	d	e			
U	p	d	a	t	i	n	g						

Once version updating is completed:

U	p	d	a	t	e		M	o	d	e			
C	o	m	p	l	e	t	e	d					

If version updating has failed, "Version up was not completed" is displayed and the screen returns to as it was before the Execute button was pressed. Press the Execute button again.

Press the OK button to finish.
The following is displayed on the device's panel:

On Deck2:

7

P	C	L	i	n	k	e	d						
P	o	w	e	r		O	f	f	!	!			

Quit the updating program and turn off the DN-HC4500's power.

NOTE:

- Do not turn off the set's power or disconnect the cable connecting it to the computer during loading or version updating. Also, do not press any buttons on the set or any keys on the computer's keyboard.
- If an error message appears during loading or version updating, repeat from step 1.

Other error messages are as follows:

"File is invalid"

When the loaded update file was invalid.

"Load failed. Check the connection, and retry"

When a transfer error has occurred during transfer of the update file to the device.

"Loaded data is invalid. Check the file."

When a SUM check error has occurred after transfer of the update file to the device.

"Version up was not completed."

When version updating was not completed normally.