



**DENON DJ**

**DN-S3700**

**DN-S1200**

**HYBRID  OPERATION**

**Addendum to the Owner's Manual**

**DENON**

Denon's new **Hybrid MIDI** mode adds impressive DVS (Digital Vinyl System) versatility to the DN-S3700 Digital Media Turntable and the DN-S1200 Compact Media Player & Controller with today's leading DJ applications. World's First Hybrid MIDI mode generates the required CD/Vinyl control signal (timecode) from within the deck's DSP allowing for super accurate tracking and spinning platter performance (S3700) without using the CD timecode. Other buttons and knobs can control essential features such as, File Browsing, Hot Cues, Looping...etc over USB MIDI. Direct DVS support for \*Serato Scratch Live, Virtual DJ, MixVibes Cross, RPM and others are available. *\*Serato/Rane Hardware is required (SL1/SL3/TTM57SL/TTM68) for Serato Scratch Live operation.*

Hybrid MIDI mode is made available to all current owners and future owners by a simple free firmware update. Visit our global Denon DJ websites to download.

America's & Canada: [www.denondj.com](http://www.denondj.com)  
 Europe: [www.denon.dj](http://www.denon.dj)  
 Asia Pacific: [www.denon.jp/dj](http://www.denon.jp/dj)

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## Select the DVS output control signal before you get started

1. Power ON the DN-S3700 / DN-S1200

No Disc

2. Push and hold the MEMO/-PRESET key for 2-seconds to enter the Preset mode. You will briefly see, "Preset Mode", then "Cue Mode – DENON"

Preset Mode

Cue Mode  
DENON



3. Turn the flashing Parameters knob backwards until you see, "Hybrid MIDI Sel – Scratch Live"

Hybrid MIDI Sel  
Scratch Live

4. Scratch Live is the default setting for Scratch Live users. If you are a Scratch Live user, skip to item "6" and then go to page 4, MIDI channel configuration

5. To select other DVS DJ application control signals, push down on the Parameters knob and turn it to select, **2.0kHz, 1.2kHz, 3.0kHz**

- 2.0kHz is currently undefined

Hybrid MIDI Sel  
2. 0kHz

- 1.2kHz is currently undefined

Hybrid MIDI Sel  
1. 2kHz

- **Select 3.0kHz for, MixVibes Cross**

Hybrid MIDI Sel  
3. 0kHz

6. Push the MEMO/-PRESET key to save your new setting and to exit Preset Mode. If you have selected something other than Scratch Live, the display will indicate, "Now Saving" for a moment

Now Saving

**When using the DENON provided Scratch Live .xml mapping file, you can control various pre-mapped functions over USB MIDI. Before doing so, you will need to change the MIDI Channel assignment for each deck. Follow these instructions to configure your decks to work properly with Scratch Live.**

**1.** While in Cue or No Disc mode, push and hold the MEMO/-PRESET key for 2-seconds to enter the Preset mode. You will briefly see, "Preset Mode", then "Cue Mode – DENON"

Preset Mode

Cue Mode  
DENON

**2.** Turn the flashing Parameters knob backwards until you see the default of, "MIDI CH Set – 1"

MIDI CH Set  
1

**3.** To select other MIDI channels, push down on the Parameters knob and then turn it to change your Left deck setting to "CH 5" and your Right deck setting to "CH 6"

○ **Left Deck, select CH 5**

MIDI CH Set  
5

○ **Right Deck, select CH 6**

MIDI CH Set  
6

**Note:**

When using other DVS applications, (MixVibes, Torq) keep your Left deck setting to CH 1 and change your Right deck setting to CH 2

When using, Virtual DJ Pro or RPM in normal MIDI mode or Hybrid MIDI mode, keep your Left and Right deck MIDI CH setting to CH 1

**5.** Push the MEMO/-PRESET key to save your new settings and to exit the Preset Mode. If you have selected something other than CH 1, the display will indicate, "Now Saving" for a moment

Now Saving

### For DN-S3700's

1. Connect USB cable for both Decks to your computer. *Use a "powered USB HUB" if your computer does not have enough USB ports available.*
2. While in Cue, Pause or No Disc mode, push the MIDI key, you will see, "MIDI Mode"

MIDI

3. Turn the flashing Parameters knob one click, you will see, "Hybrid MIDI"

Hybr id MIDI

4. Push down on the parameters knob to select, then the following 3 screens are displayed.

PC MODE  
Connecting

PC MODE  
PC Linked

PC MODE  
Completed!

5. To Exit this mode. While in Cue or Pause mode, push the CD/USB key, you will see, "OK"
6. Push down on the parameters knob to select and Exit Hybrid MIDI mode

### For DN-S1200's

1. Connect USB cable for both Decks to your computer. *Use a "powered USB HUB" if your computer does not have enough USB ports available.*
2. While in Cue, Pause or No Disc mode, push the Source key, you will see, "Source Cancel"

Source?  
Cancel

3. Turn the Parameters knob three clicks, or until you see, "Source? – Hybrid MIDI"

Source?  
Hybr id MIDI

4. Push down on the parameters knob to select, then the following 3 screens are displayed.

PC MODE  
Connecting

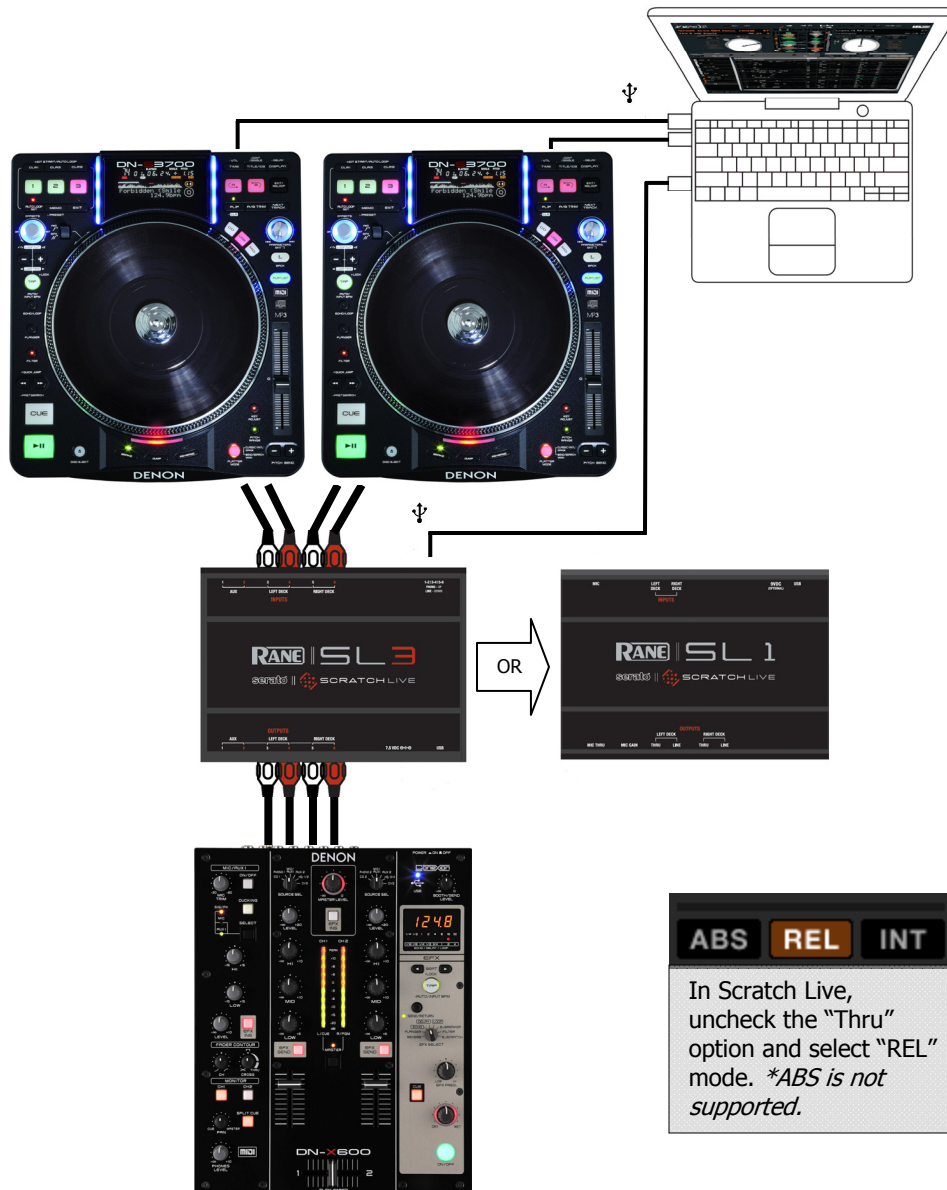
PC MODE  
PC Linked

PC MODE  
Completed!

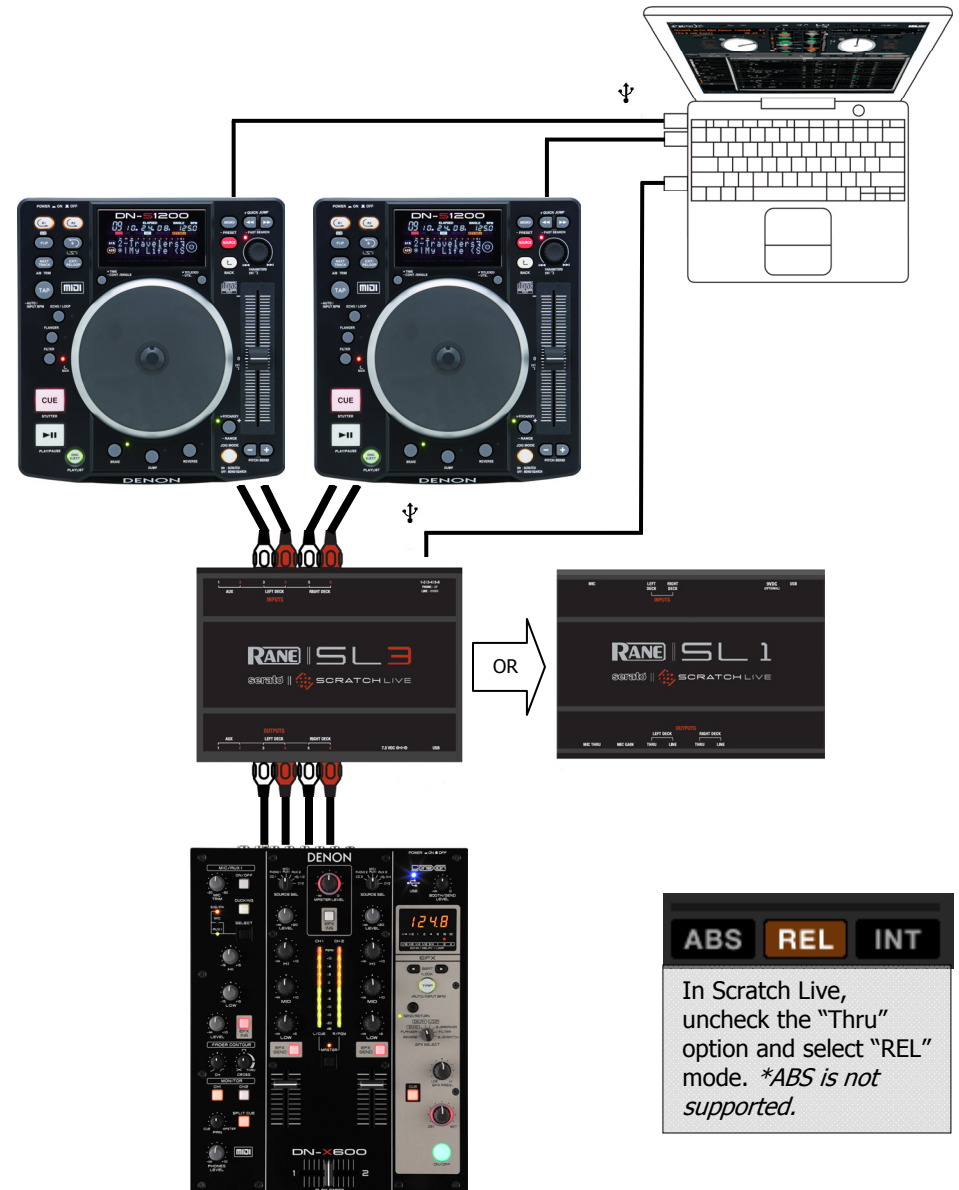
5. To Exit this mode. While in Cue or Pause mode, push the Source key, you will see, "Quit PCMode – Cancel", then turn the parameters knob and you will see, "Quit PCMode – OK"
6. Push down on the parameters knob to select and Exit Hybrid MIDI mode

## Rane/Serato Hardware Configuration

**DN-S3700:** Connect the analog RCA Outputs from the Left and Right Decks to the Rane/Serato SL3, SL1 (TTM57SL, TTM68) Inputs. Connect a USB cable from each Deck and Rane/Serato hardware to your computer.



**DN-S1200:** Connect the analog RCA Outputs from the Left and Right Decks to the Rane/Serato SL3, SL1 (TTM57SL, TTM68) Inputs. Connect a USB cable from each Deck and Rane/Serato hardware to your computer.

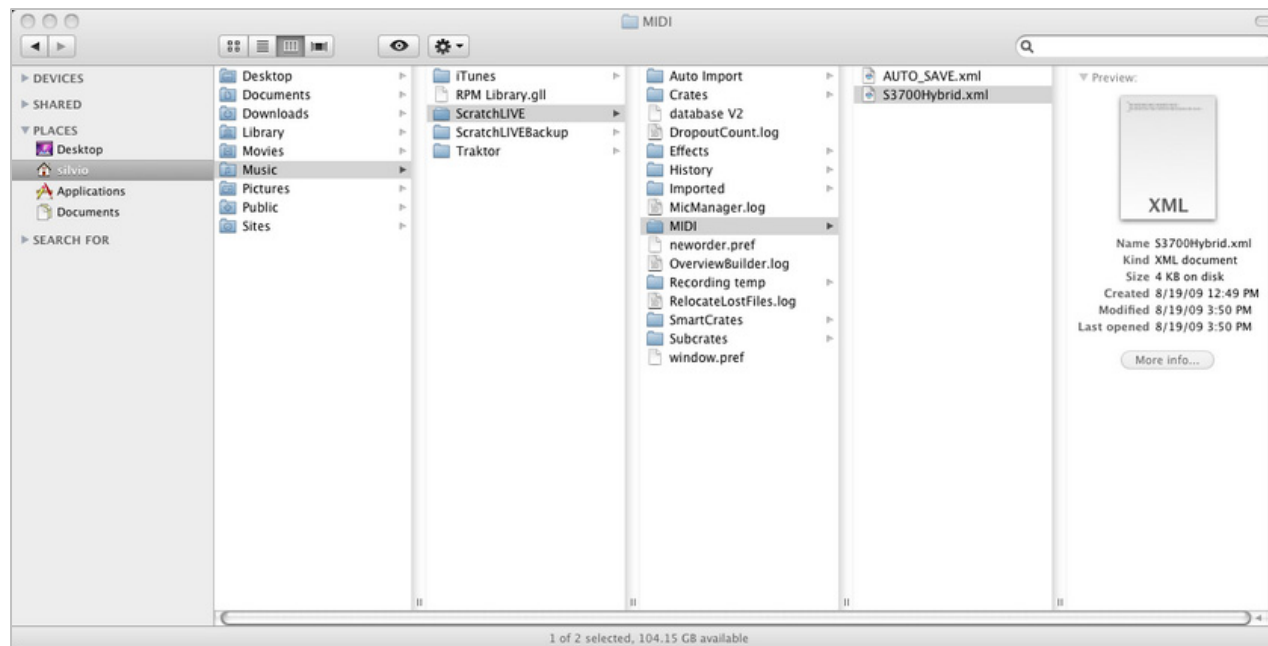
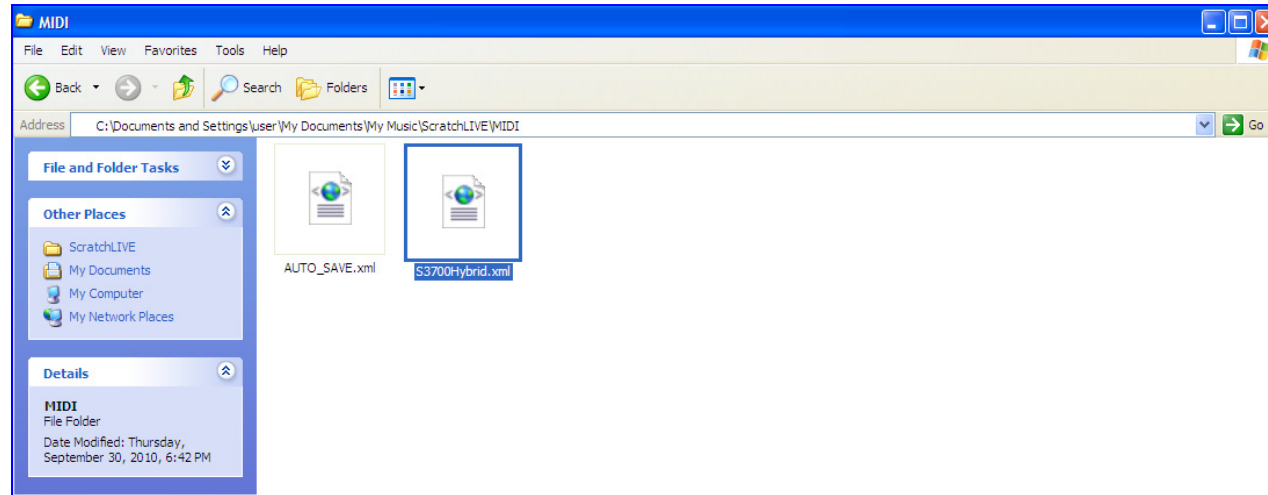


## Loading the Serato Scratch Mapping File

Close the Scratch Live application (if open). Take the **S3700Hybrid.xml** file provided by DENON and copy it to the appropriate Scratch Live folder shown below. *Note: After you copy this file into the MIDI folder, you will need to select it in the SSL setup/MIDI tab.*

- **Windows** \My Documents\My Music\ScratchLIVE\MIDI (see image below)
- **MAC** \Music\ScratchLIVE\MIDI (see image below)

**For Windows & MAC;** Open SSL v2.1 (or higher), select **Setup** > **MIDI** tab, highlight **S3700Hybrid**, select **LOAD**, then exit Setup. \*Follow key guide on pages 8,9.





# DN-S3700 Serato Scratch Mapping File Operation

## DN-S3700 Hybrid MIDI (Serato Scratch Live)

	DN-S3700 CONTROLS	SCRATCH LIVE FUNCTIONALITY	SHIFT1 [DISC EJECT] +
A	CUE	Jump Temp Cue	Set Temp Cue
B	ECHO/LOOP	Browse Button	-
C	FLANGER	History Button	-
D	FILTER	Prepare Button	-
E	AUTO LOOP SET	Auto Loop Button	-
F	A	Loop In Adjust Button	-
G	B	Loop Out Adjust Button	-
H	EXIT/RELOOP	Reloop Button	-
I	MEMO	Loop Roll Button	-
J	TAP	Tap Tempo	-
K	DUMP	Censor Button	-
L	KEY ADJUST	Key Lock Button	-
M	PARAMETERS SW	Load to deck Button	-
	PARAMETERS KNOB	Scroll Library Knob	-
N	BACK	Tab Focus Button	-
O	REWIND	Rewind	-
P	FORWARD	Fast Forward	-
Q	BEND DOWN [-]	Pitch Down	-
R	BEND UP [+]	Pitch Up	-
S	HOT1	Trigger Cue Point Button A0	-
T	HOT2	Trigger Cue Point Button A1	-
U	HOT3	Trigger Cue Point Button A2	-
V	CLR1	Set Cue Point Button A0	-
W	CLR2	Set Cue Point Button A1	-
X	CLR3	Set Cue Point Button A2	-
Y	EFFECTS KNOB	AutoLoopSelect Knob	-
Z	PLAYLIST	Add To Prepare Button	-
a	DISPLAY	Auto Loop Four Button	-
b	TITLE/ID3	Auto Loop Two Button	-
c	TIME	Auto Loop One Button	-
d	NEXT TRACK	Auto Loop Half Button	-
e	A/B TRIM	Auto Loop Fourth Button	-
f	FLIP	Auto Loop Eighth Button	-
g	DISC EJECT	-	-





# DN-S1200 Serato Scratch Mapping File Operation

## DN-S1200 Hybrid MIDI (Serato Scratch Live)

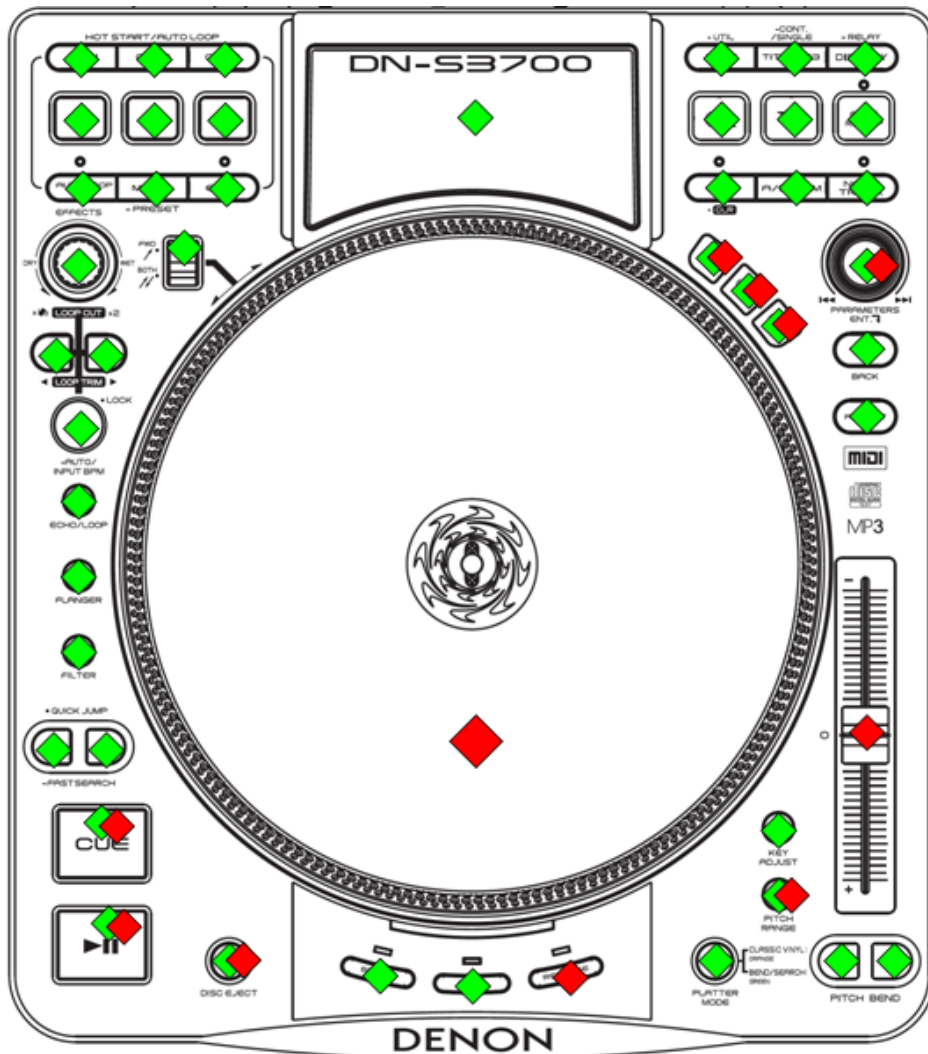
	DN-S1200 CONTROLS	SCRATCH LIVE FUNCTIONALITY	SHIFT1 [DISC EJECT] +	SHIFT2 [NEXT TRACK] +
A	CUE	Jump Temp Cue	Set Temp Cue	
B	ECHO/LOOP	Trigger Cue Point Button A0	-	Set Cue Point Button A0
C	FLANGER	Trigger Cue Point Button A1	-	Set Cue Point Button A1
D	FILTER	Trigger Cue Point Button A2	-	Set Cue Point Button A2
E	A1	Auto Loop Button	-	-
F	A2	Loop In Adjust Button	-	-
G	B	Loop Out Adjust Button	-	-
H	EXIT/RELOOP	Reloop Button	-	-
I	FLIP	Loop Roll Button	-	-
J	TAP	Tap Tempo	-	-
K	DUMP	Censor Button	-	-
L	JOG MODE	Key Lock Button	-	-
M	PARAMETERS SW	Load to deck Button	-	-
	PARAMETERS KNOB	Scroll Library Knob	-	AutoLoopSelect Knob
N	BACK	Tab Focus Button	-	-
O	REWIND	Rewind	-	-
P	FORWARD	Fast Forward	-	-
Q	BEND DOWN [-]	Pitch Down	-	-
R	BEND UP [+]	Pitch Up	-	-
S	DISC EJECT	SHIFT 1 Button	-	-
T	NEXT TRACK	SHIFT 2 Button	-	-



## Hybrid Mode Panel Operation

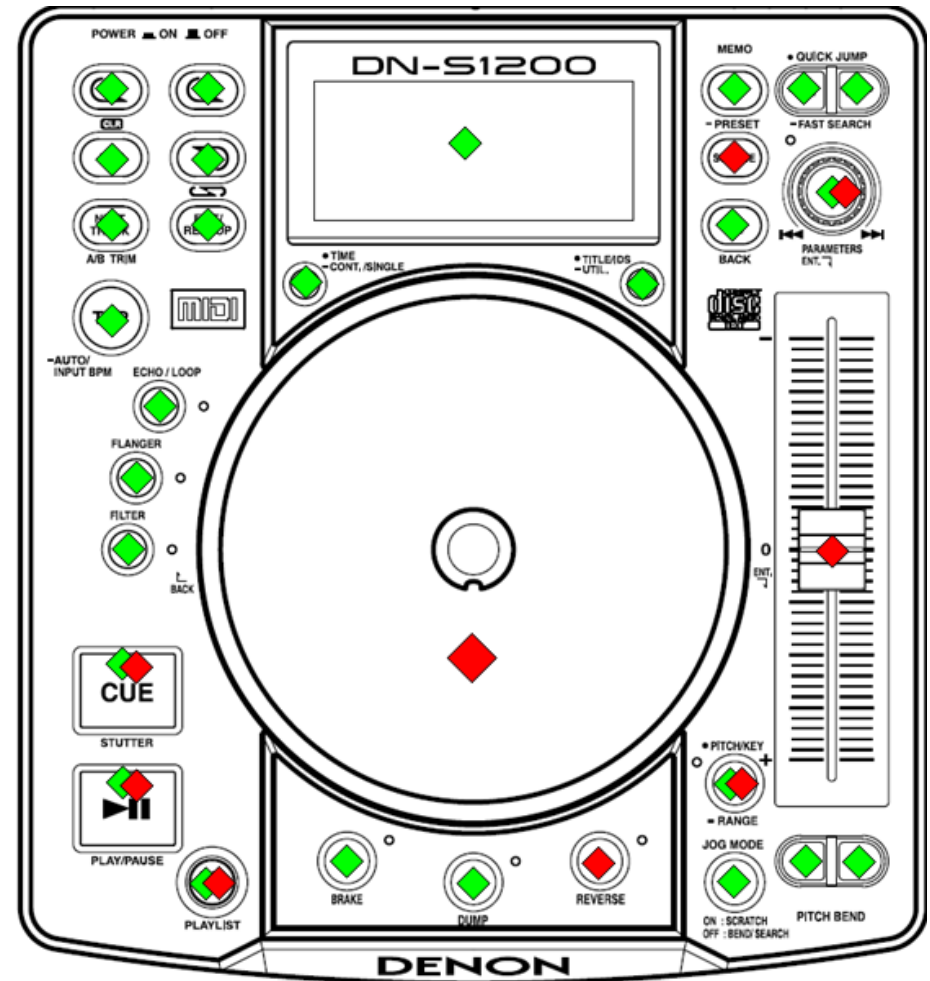
**This layout describes available panel functionality during Hybrid MIDI mode.**

- The solid Green diamonds are available for MIDI mapping control
- The mixed Green/Red diamonds are shared for MIDI mapping control and Internal operation
- The solid Red diamonds are reserved for Internal operation only



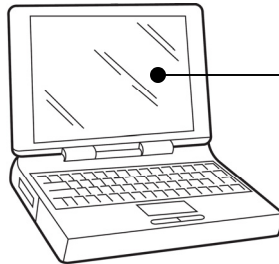
**This layout describes available panel functionality during Hybrid MIDI mode.**

- The solid Green diamonds are available for MIDI mapping control
- The mixed Green/Red diamonds are shared for MIDI mapping control and Internal operation
- The solid Red diamonds are reserved for Internal operation only



## Other DENON DVS System Software Packages

**DN-S3700:** DENON offers a full range of Professional 2 Channel & 4 Channel DVS Ready Digital Mixers to complement the DN-S3700 Hybrid mode. Select a DENON mixer & your supported DVS Software Application.



MixVibes  
Virtual DJ Pro  
RPM

DN-S3700

DN-X600

DN-S3700



DN-X1600

OR

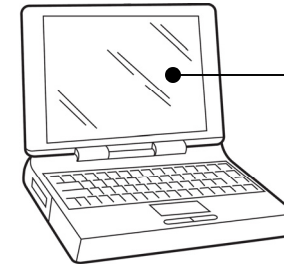
DN-X1700



OR



**DN-S1200:** The DVS Ready DN-X600 and DN-S1200 Hybrid mode makes for a perfect compact portable system package to complement your supported DVS Software Application.



MixVibes  
Virtual DJ Pro  
RPM

DN-S1200

DN-X600

DN-S1200



During Hybrid Mode,  
Select "REL" mode in  
various DJ applications.  
*\*ABS is not supported.*

Serato™ is a registered trademark of Serato Audio Research  
Rane™ is a registered trademark of Rane Corporation  
Virtual DJ is a registered trademark of Atomix Productions ©  
RPM™ is a registered trade mark of Gizmolabs Inc.  
MixVibes™ is a registered trademark of MixVibes

Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and / or other countries  
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