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DN-S5000 Plug In Procedure

Please read these instructions several times before performing the actual procedure.

Step 1: CD-R/RW Creation

1. You should have already downloaded files to a folder of your choice at this point.
    Example: (C:\DNS5000 or Desktop)

2. Launch your disc burning software. (Roxio, Nero..etc)

3. Within your software options, select to make a **DATA disc**. *(Not Audio!)*

4. Go to the properties of your burning software and find the **ISO9660** format setting. Refer to our "Software Burning Guide" on page 8&9 or contact your software provider *if* you cannot find it.
    *(You must find and select **ISO9660** or the procedure will fail)*

5. Go to the properties of your burning software and find the **MODE/LEVEL** setting. In most cases, they are referred to as, **MODE 1/LEVEL1 CD-ROM**. Refer to our "Software Burning Guide" on page 8&9 or contact your software provider *if* you cannot find it.
    *(You must find and select **MODE 1/LEVEL1 CD-ROM** or the procedure will fail)*

> **Note:** If you are using Windows XP "drag and drop" to burn your disc, the procedure will fail. Windows XP does not give you the option to select, **ISO9960** or **MODE/LEVEL 1**.
> *You must use third party software such as, Roxio/Easy Creator, Nero…etc.

6. Locate the (2) **.bin** files (Q5002500 + FG5K6486) from where you initially saved them on your PC.

7. Drag and drop the (2) **.bin** files into your burners software project window.
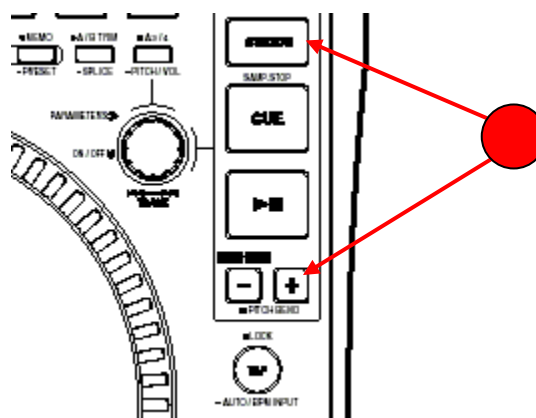
> The two **.bin** files (listed above) should be the **ONLY** two files on the disc to be recorded. Please verify before continuing to # 8.

8. Finalize the CD-R/RW at the slowest possible recording speed.
    (You must finalize/close the disc or the procedure will fail)
    If you're not sure of what you are doing, please use a CD-RW disc so you can erase it and start over.

9. Take the finalized disc over to the DN-S5000 and go to Step 2.

Step 2: Uploading the System/DSP

1. Turn the power **ON** for the DN-S5000

2. Remove disc (if loaded)

3. Take the *DATA* disc you've just made and insert it into the drive.

4. When the disc is fully inserted, immediately shut the power **OFF**.

5. Press and hold α **mode button** and the α **(+) pitch bend button** (shown below) while turning the power ON…continue to hold these buttons until you see **"Version Up System&DSP"** in the display, then you may release both buttons and standby. You will see the lower segment bar progress from left to right. Wait about 50 seconds or until the disc is automatically ejected by the drive. *See below note!

Note:
*You will see **"Memory Inz"** & **"Memory Err"** in the display after the disc ejects. This is normal due to the new Preset Menu list, which was added. To clear and reset these items, go into your preset mode by holding down the **[–preset]** button for more than 2 sec, and then turn the track knob to find "**PresetInt?**" Press the track knob down twice to select "**InitialOK?**" The display will say "**Complete**" when finished. Don't worry, your internal memo points are not lost.

Advice:
*If you see **"disc error"** in the display, please start the procedure over again from step 2-1. *If you continue to see **"disc error"** after several attempts, chances are the *DATA* disc was not burned properly as described in Step 1.

Please visit our web site to view a short video clip of this procedure if have any doubt.
http://www.denondj.com/videos/s5upload.mpg

- - - > Go to next page, Step 3

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***Attention for advanced users who have done this before!**

You do not need to proceed with Step 3 if you already have Drive version, 6486
All other first time users please proceed with Step 3.

1. Insert the same *DATA* disc back into the drive.

2. The display will show *"Drive version up?"*

    Press the Main **PLAY** button (on the lower left) to start uploading.
    The disc will automatically be ejected when the procedure is completed.

🛑 **Warning:**
Do not turn the power off during this wait period or else your machine will become inoperable and require factory service.

Note: *(If you see "Disc Error", "Error 61" or "Error 6F", Shut the power OFF and then back ON)*

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3. Remove the *DATA* disc from the drive.

4. Shut the power **OFF** and then back **ON**.

5. Verify your software by pressing the **[-PRESET]** button for more than **2** sec. In PRESET mode turn the track knob counter clockwise until you see "Version". Press down the track knob to verify the version numbers. They will be: *SYS 5002 - DSP 5500 - DRIVE 6486*

    - - - > Enjoy the new features listed on page 5.

7 New Plug Ins added to your DN-S5000!

(as of October 2004)

1. Changed default mp3 **File Search System** from "Artist" to "File" upon loading

2. Brake + Hot Start combo operation was improved to avoid a stutter type sound when Key Adjust is on

3. During the Brake effect, the PLAY button can be pushed again for instant sound return

4. Back spinning to the beginning of track 1 no longer goes into CUE mode while in Cont. mode

5. Pitch % Memory:
   You now have two options when saving internal MEMO points regarding PITCH memory

   A. If you DO NOT wish to save the PITCH value along with your Hot Starts, Loops and Cue points, simply turn the Pitch button OFF before you save your MEMO. When you RECALL at a later time, the PITCH value will remain AS IS and not change.

   B. If you WANT to save the PITCH value along with your Hot Starts, Loops and Cue points, simply turn the Pitch or Key Adjust ON before you save your MEMO. When you RECALL at a later time, the PITCH and Key Adjust value will be RECALLED as you originally saved it.

6. Added quick jump search values by preset (10/20/30/60sec) by moving the Fast Search Lever to its ends. *You can find this new item in your –preset menu

7. Added, Pitch Mode preset for: Pitch/Key ON/OFF default at power up
   *You can find this new item in your –preset menu

Previous Plug Ins Listed Below Are Also Included with This Version (SYS 5002)

5

1.   MP3 SCRATCHING

You are now able to scratch mp3 files in the same manner and style of audio CD's.

Note: Backspins are limited to only 5 seconds from the point of which you start.

2.   MP3 SEAMLESS LOOPING

You are now able to seamlessly LOOP mp3 files in the same manner and style of audio CD's.

Note: Only "one" seamless Loop can be performed using the "A1" & B buttons for MP3.

Note: Seamless looping can only be performed within the same file for MP3.

3.   MP3 PLATTER EFFECTS: DRAG-S, BRAKE, DUMP & REVERSE

You are now able to use DRAG-S, BRAKE, DUMP and REVERSE in the same manner and style of audio CD's.

Note: The REVERSE function is limited to only 5 seconds from the time of activation.

4.   MP3 SEARCH, CUEING

You are now able to search and CUE up mp3 files in the same manner and style of audio CD's. CUE Stutter is also available.

Note: For C.B.R files, manual searching and fast searching is only possible within the selected file.

Note: The Frame display is not shown.

5.   MP3 FILE SEARCH SYSTEM

In order to navigate through hundreds of files at a breeze, DENON engineers created a new convenient file search system for mp3's.
Our system automatically detects the structure of your data disc to determine the following search options.

MP3 Data Discs without folders: (Root Directory)

File: Allows you to search for FILES as they appear on the data disc by Track number. (01,02,03,04,05...etc)

File Name: Allows you to search FILE names alphabetically. (A,B,C,D,E…etc)

MP3 Data Discs with folder(s):

File/Folder: Allows you to search for FOLDER names usually categorized by genre'

File: Allows you to search for FILES as they appear on the data disc by Track number. (01,02,03,04,05...etc)

Artist Name: Allows you to search by alphabetically by ARTIST names in this format: **Donna Summer - On the Radio**"

Title Name: Allows you to search alphabetically by TITLE names in this format: "**On the Radio - Donna Summer**"

How to use the search system:

For MP3 discs loaded, press down the **[TRACK]** knob for more than 1 second to enter the menu selection.

Turn the **[TRACK]** knob to select your preferred search method, then press down the **[TRACK]** knob with a short tap to set.
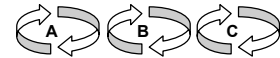
Now, when the **[TRACK]** knob is pushed down and turned, you will scroll through your disc accordingly.

For Example:

When **FILE** mode is selected, pushing down and turning the **[TRACK]** knob will advance x10 files at a time, same as CD.

When **FILE NAME, ARTIST NAME** or **TITLE NAME** is selected, pushing down and turning the **[TRACK]** knob will search the disc alphabetically.
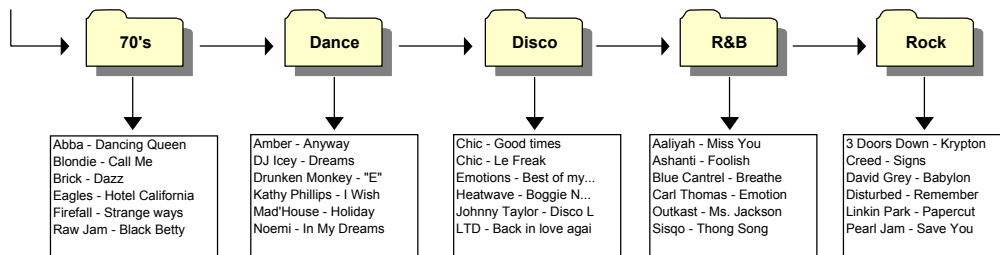
Once you find the letter of your choice, release the knob and turn normally to search within that letter only.

Note: When recorded in order of artist name and title name: (Artist - title, (Artist)(Title), [Artist][Title]) and with "-", "( )" or "[ ]" between artist names and title names,
it is possible to search artist names and title names in alphabetical order. These name search functions cannot be selected unless the file names are recorded in the specified format.
Title and Artist name search use the data of the file name, not the ID-3 tag data.

When **FILE/FOLDER** is selected, pushing down and turning the **[TRACK]** knob will search the disc by folder name.

Once you find the folder of your choice, release the knob and turn normally to search within that folder only.

70's	Dance	Disco	R&B	Rock
Abba - Dancing Queen	Amber - Anyway	Chic - Good times	Aaliyah - Miss You	3 Doors Down - Krypton
Blondie - Call Me	DJ Icey - Dreams	Chic - Le Freak	Ashanti - Foolish	Creed - Signs
Brick - Dazz	Drunken Monkey - "E"	Emotions - Best of my...	Blue Cantrel - Breathe	David Grey - Babylon
Eagles - Hotel California	Kathy Phillips - I Wish	Heatwave - Boggie N...	Carl Thomas - Emotion	Disturbed - Remember
Firefall - Strange ways	Mad'House - Holiday	Johnny Taylor - Disco L	Outkast - Ms. Jackson	Linkin Park - Papercut
Raw Jam - Black Betty	Noemi - In My Dreams	LTD - Back in love agai	Sisqo - Thong Song	Pearl Jam - Save You

6.   MP3 NEXT TRACK RESERVE

Since you can store hundreds of mp3 files on 1 disc, Next Track Reserve makes it easy for you to SLAM Mix to another track of your choice on-the-fly.

During PLAY, tap the **[α MODE]** button. Then turn the **[TRACK]** knob to select your next track. (The main Cue button will start to flash)

Tap the flashing **[CUE]** button approximately 10 seconds prior to the time that your wish to abort the playing track.

The display will show: "Searching.." until the track is found.

Once the Track is found, the display will indicate: "**PUSH PLAY**"..

At this point, you will have approximately 8 seconds to press the main **[PLAY]** button, which will abort the playing track and instantly start the reserved track

*If the play mode is set to **CONT.**, the reserved track will automatically start when the current track is over.

*If the play mode is set to **SINGLE**, the reserved track will automatically cue and wait for your next command.

7.   PITCH IMPROVEMENT

±50% has been added to the pitch range menu. You may now select from the following: ±4/10/16/24/50/100%

.02% pitch increment resolution has been added to the ±4% range.

*Specifications subject to improvement by future software Plug-In's

6.

Previous PLUG IN's SYS 6438 DSP 5300
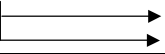The following array of new features was added to the DN-S5000.

1. MP3 PLAYBACK
The DN-S5000 can playback MP3 files via CD-R/RW media made according to the following conditions.
*MP3 disc's made by formats other than below settings cannot be played back on our system.
*In most cases, you can find the below settings within the properties of your burners PC software.
 Please refer to your manual or contact your software vendor for assistance regarding these settings.

Disc Format	Applicable file extensions	.mp3 MP3. mP3 .Mp3
	ISO9660	Level 1(max. 8/"8.3" character style)
		Level 2 (max. 31/30 character style)
	Joliet	max. 64/64 character style
	Romeo	max. 128/128 character style
	CD-ROM sector format	mode-1 only
	Folder/directory hierarchical level	max. 8 levels down (* **note #1**)
	Max. number of Folders	No limit (* **note #2**)
	Max. number of files	max. 255 files (* **note #3**)
MP3 Format	MPEG-1 Layer 3	32-320 kbps, f/s 44.1 k Hz
	$\longrightarrow$	C.B.R. (Constant Bit Rate) encoding
	$\longrightarrow$	V.B.R. (Variable Bit Rate) encoding
	ID-3 Tag Support	V1.0, V1.1,V2.2, V2.3, V2.4 (Artist, Album & Title)
Disc Writing Method	Disc at Once and Track at Once	
	Multi Session	If the 1st session is CDDA, you can playback only CDDA track. If the 1st session is MP3, you can only playback MP3 files.
	NOTE : Packet Write is not supported.	

Note#1 • Cannot playback files in a folder located further from the specified Folder/directory hierarchical level.
Note#2 • The number of total folders is not limited, while the number of total files is limited to 255.
Note#3 • If the number of MP3 files exceeds 255, the unit can play first 255 files, and no further files are recognized.

2. SCRATCH SOUND
The scratch sound was greatly improved to reproduce the natural sonic details found in a vinyl recording.

3. PLATTER SPEED
The platter speed now corresponds to the pitch slider value up to ±32% from zero reference.

4. MARKER POINT
The marker point reference has been improved to be accurate up to ±32% from zero pitch reference.

5. PLAY LOCK
Play Lock is a new user selectable feature, which prevents accidental track change during**PLAY** in **Single Mode**.
How to activate: Go into your preset mode by holding down the**[PRESET]** button for more than 1 sec,
turn the track knob until you find the preset called **PLAY MODE.**
Press "enter" on the track knob until you find   **S.Playlock**. Press the **[PRESET]** button to exit and save.
You may temporarily turn this function ON or OFF by cycling through the**[Cont./Single]** button.

6. ID3 TAGS
The DN-S5000 proudly supports MP3 files that contain ID3 Tag information of: **ARTIST, ALBUM & TITLE**
In order to view this information during MP3 playback, press and hold the**[DISPLAY]** button for mor than 1 sec to enter ID3 Tag mode.
By pressing the **[DISPLAY]** button with a short push thereafter, will cycle through: **FOLDER, ARTIST, ALBUM & TITLE**

Note: • Depending on the type of MP3 encoding or writing software, with some files noise may be generated or it may not be possible to play the file.
 • The creator of the MP3 files will have the option to add ID3 Tag information via 3rd party software that supports it.
 • Each time the TITLE button is pushed, the file name (bottom row display)/folder name (top row) display, title/artist/album name.
 • If no ID3 Tag information is available, the display will indicate "NO DATA".
 • File name can be refreshed to scroll again by pressing the time button.
 • If a MP3 disc is set in the DN-S5000 after recording Sampler data, the Sampler data is cleared.

 • Recordings you make are for your personal use and should not be used in ways infringing upon the copyright holder as per copyright laws.

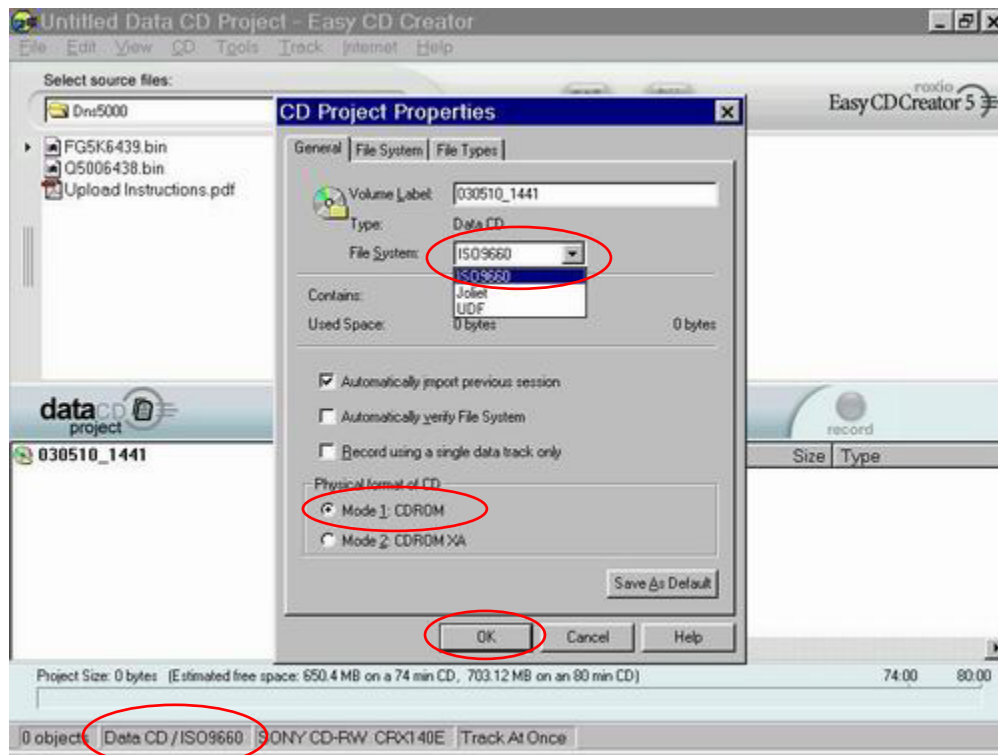**The DN-S5000 DOES NOT not supports the following functions during MP3 playback.**
Hot Starts & Looping for, A2,A3,A4 • A-B Splice • Sampling • Alpha Mode • Mirror Mix • Hot Disc • Echo • Memo point saving • ±50/100% Pitch

How to properly burn DENON's Plug-In Software to a CD-R/RW

If you are experiencing problems with your upload, chances are you did not select the proper settings within your burning software. The below screen shots are of the two most popular brands that will guide you with these important settings.
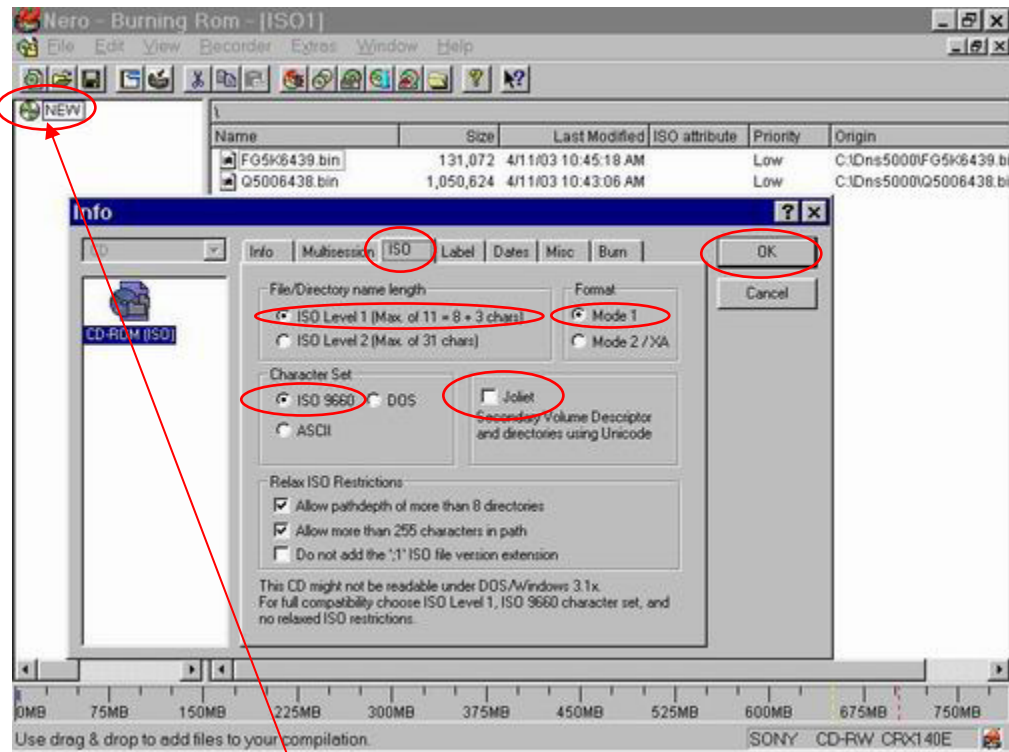
Valid for: DN-D9000, DN-D6000, DN-D4000, DN-S5000, DN-S3000 & DN-S1000

Roxio – Easy Creator   (Select "Classic" for versions above 6)

1. Double click on this setting to change your CD properties.

2. Select "ISO9660" circled in red

3. Select "Mode 1" circled in red

4. Select "OK" circled in red

5. Select the two required ".bin" files, then finalize at the slowest possible speed

6. Read the step-by-step instructions included with the download.

8

Ahead – Nero

1. Right click on the "NEW" icon and select "Properties" in the drop down menu to change your CD properties. The Info box will then appear.

2. Select the "ISO" tab circled in red

3. Select "ISO Level 1" File/Directory name length circled in red

4. Select "Mode 1" Format circled in red

5. Select "ISO 9660" Character Set circled in red

6. Uncheck the "Joliet" box circled in red

7. Select "OK" circled in red

8. Select the two required ".bin" files, then finalize at the slowest possible speed

9. Read the step-by-step instructions included with the download.

Available Accessories

DENON DJ

DN-S5000/S3000 Available Accessories

S5000 Optional Top Panels

DENTPS5KSILVER

DENTPS5KBLUE

DENTPS5KGOLD

S3000 Optional Top Panels

DENTPS3KSILVER

DENTPS3KBLUE

DENTPS3KGOLD

DN-S5000/S3000 Available Accessories

UDG – Custom Travel Bags

DENUDG3K