Aurora(n) Dolby ATMOS Setup with LT-HD & LT-HD2 cards

Since there is no connection between NControl and the Aurora(n) when using the LT-HD or LT-HD2 cards, the ATMOS scenes must be created on the computer and copied to the Aurora(n) using a microSD card.

The first step is to import the Aurora(n) channel configuration into NControl using the ATMOS Scenes page on the Aurora(n).

Press the Function button then navigate to the SD Menu:

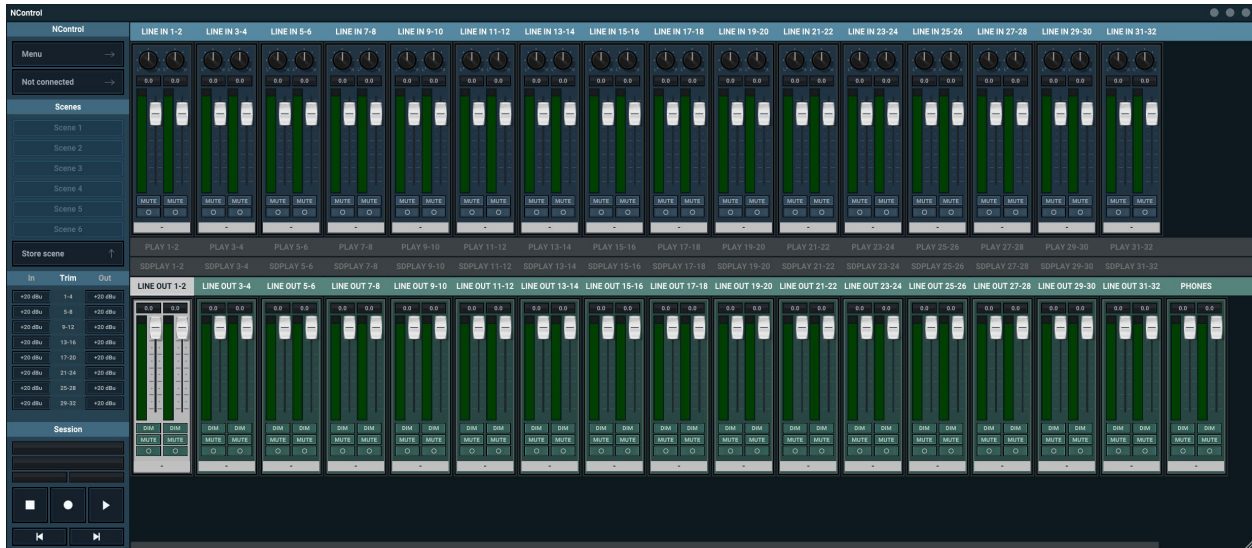On the SD Menu, select the ATMOS Scenes:

Next, press the Select button the create a new scene

Press "Exit / Menu" to save the scene to the SD card into the "ATMOSScenes" folder.

Move the SD card to the computer and launch NControl.

Notice that NControl shows the Aurora(n) in 32-line i/o configuration by default because it doesn't know the exact configuration of the Aurora(n) yet:

Press and hold the "CTRL" key (Command on the Macintosh) and press the "A" key to bring up the Dolby ATMOS setup page:
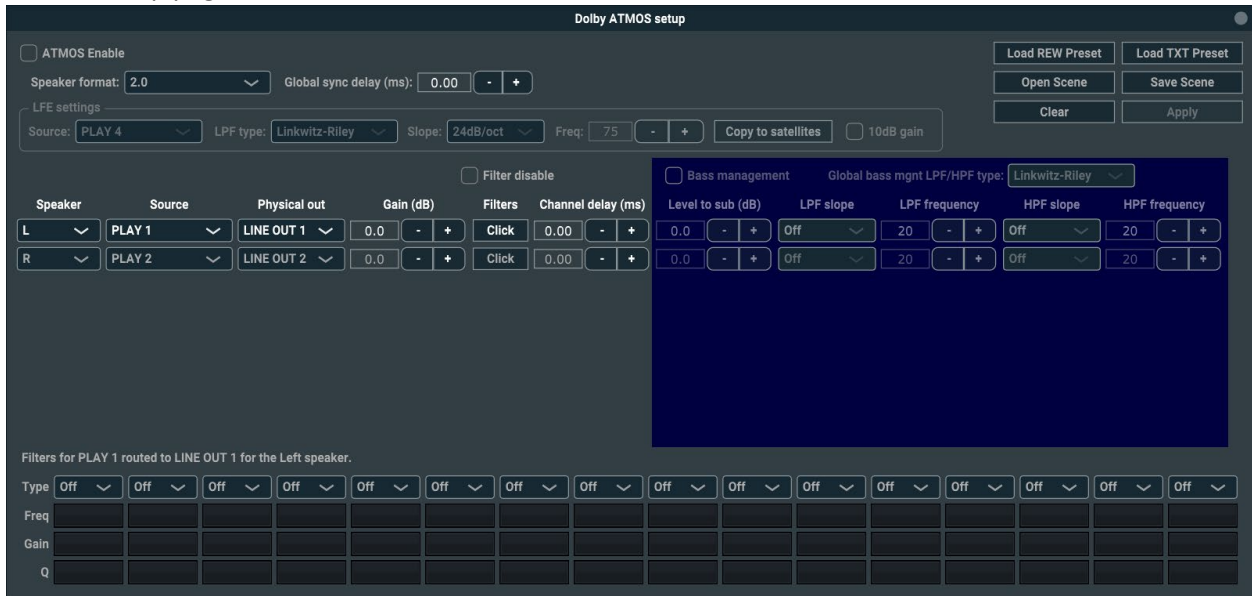
Press the "Open Scene" button and navigate to the SD card "ATMOSScenes" folder and select the ATMOS scene previously saved by the Aurora(n) then click the "Open" button:
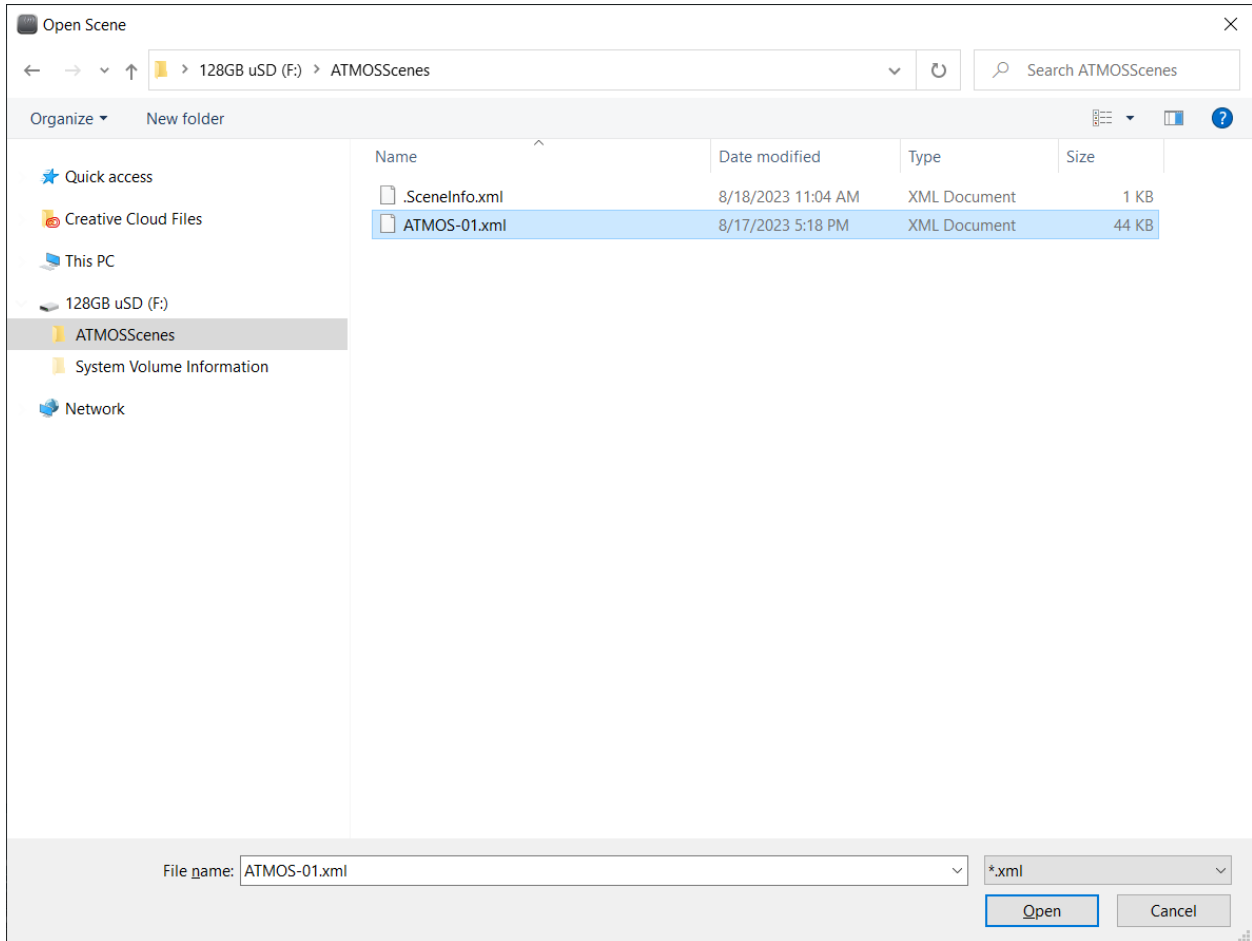
The scene will only have the Aurora(n) channel configuration. Exit the Dolby ATMOS setup page and close NControl.

Launch NControl again and it should now show the correct channel configuration for your Aurora(n) (in this example, the Aurora(n) has 1 LM-AIO8E; 1 LM-DIG; 1 LM-PRE4 and 1 LM-A24):
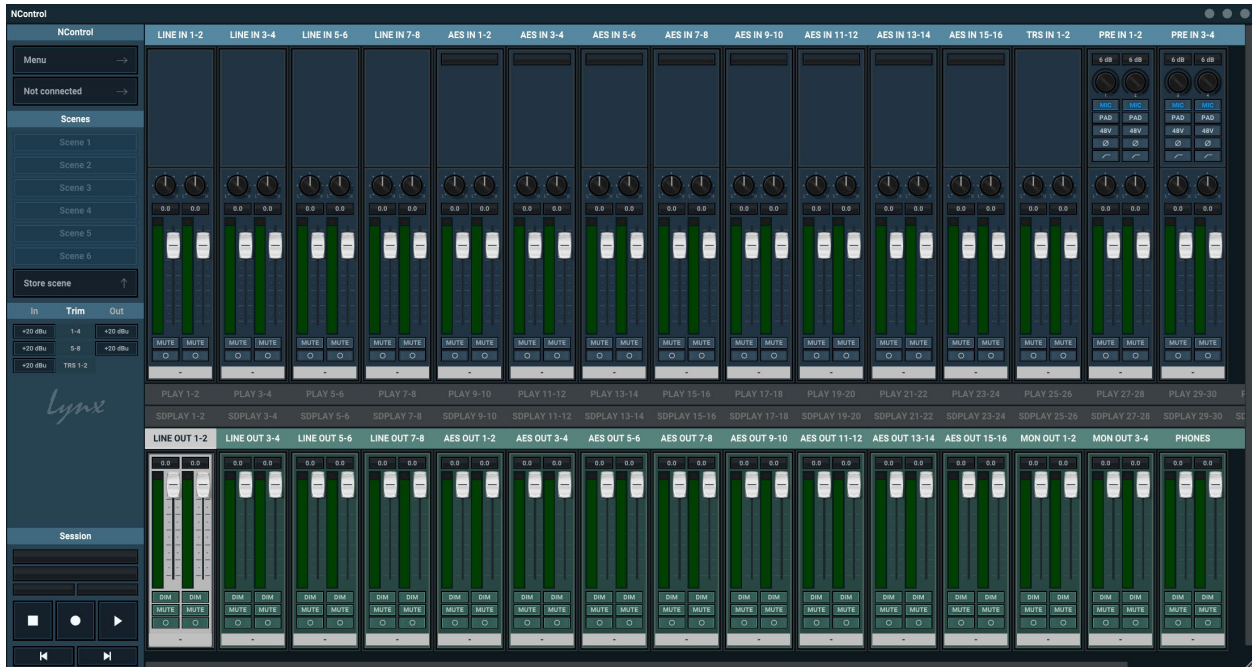
Again, press the CTRL+A keys (Command+A on the Macintosh) to bring up the Dolby ATMOS setup page:

Notice that the Physical out drop-down now shows the correct channel names:
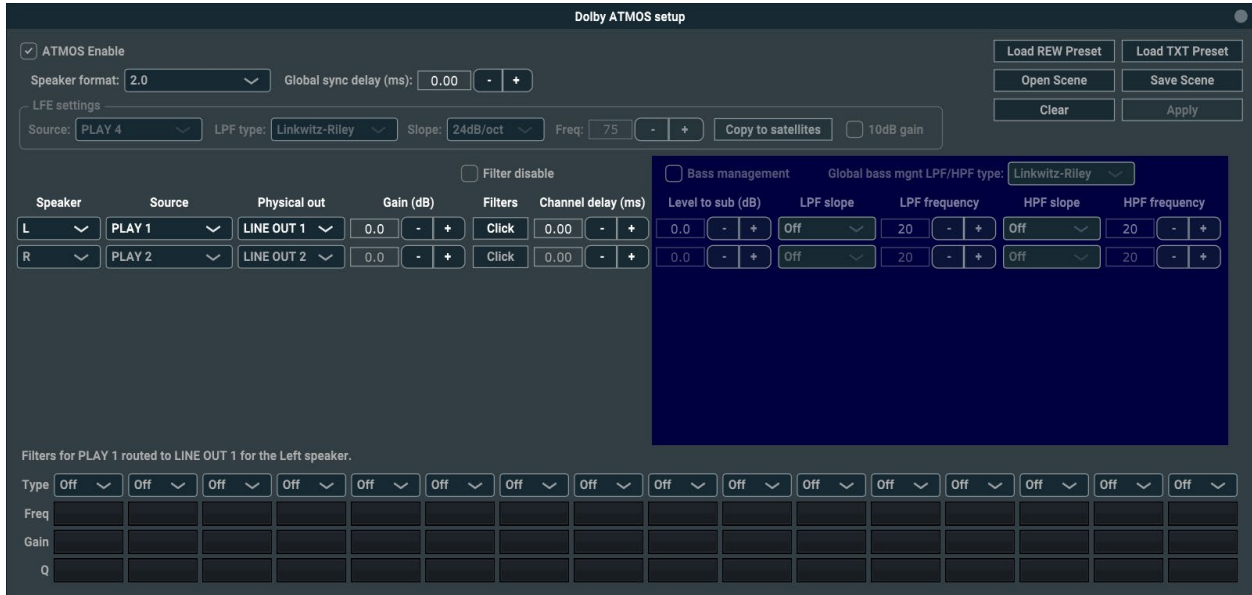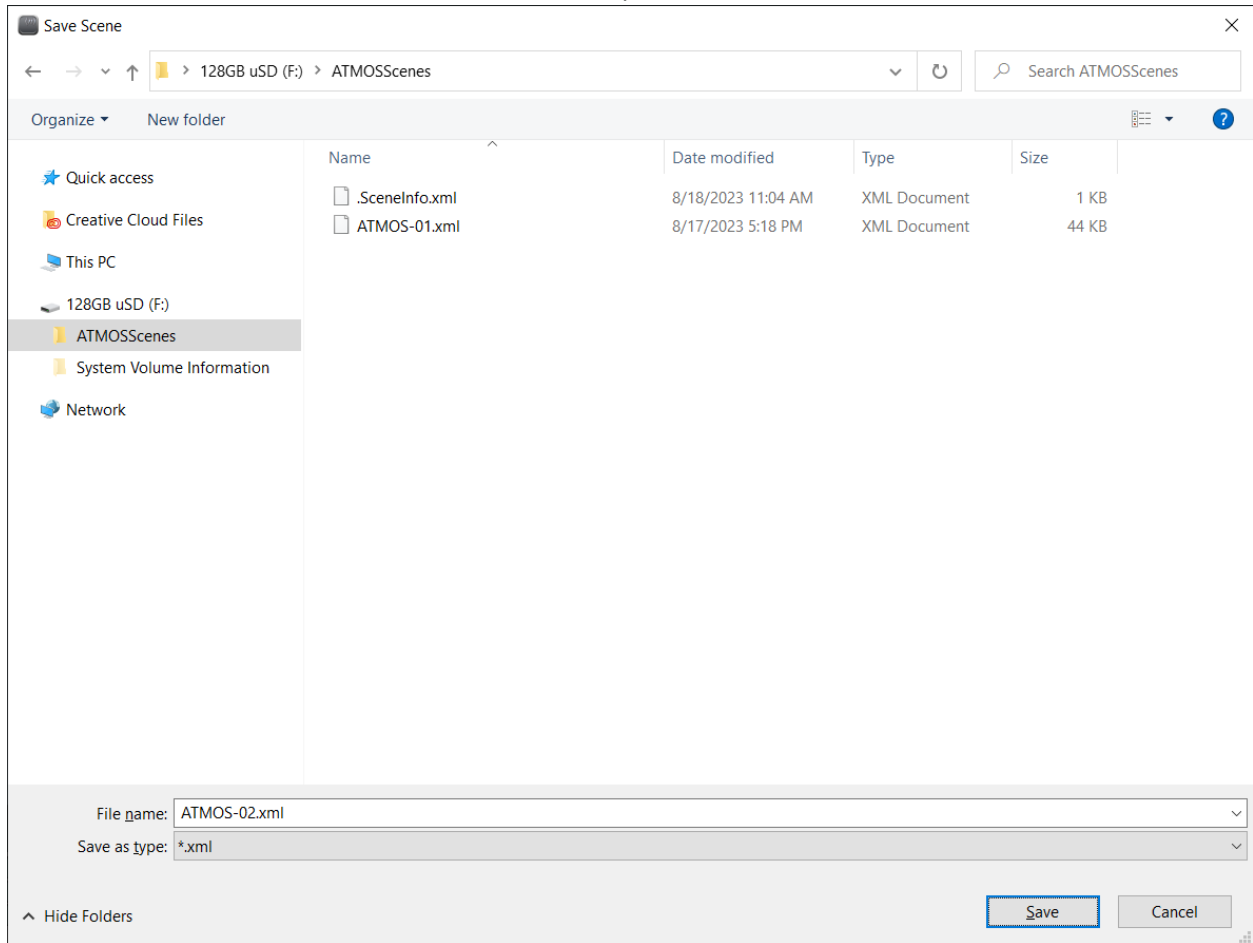
Dolby ATMOS setup

☑ ATMOS Enable

Speaker format: 2.0   Global sync delay (ms): 0.00 - +

Load REW Preset | Load TXT Preset
Open Scene | Save Scene
Clear | Apply

LFE settings
Source: PLAY 4   LPF type: Linkwitz-Riley   Slope: 24dB/oct   Freq: 75 - +   Copy to satellites   ☐ 10dB gain

☐ Filter disable   ☐ Bass management   Global bass mgnt LPF/HPF type: Linkwitz-Riley

Speaker	Source	Physical out	Gain (dB)	Filters	Channel delay (ms)	Level to sub (dB)	LPF slope	LPF frequency	HPF slope	HPF frequency
L	PLAY 1	LINE OUT 1	0.0 - +	Click	0.00 - +	0.0 - +	Off	20 - +	Off	20 - +
R	PLAY 2	✓ LINE OUT 1	0 - +	Click	0.00 - +	0.0 - +	Off	20 - +	Off	20 - +

LINE OUT 1
LINE OUT 2
LINE OUT 3
LINE OUT 4
LINE OUT 5
LINE OUT 6
LINE OUT 7
LINE OUT 8
AES OUT 1
AES OUT 2
AES OUT 3
AES OUT 4
AES OUT 5
AES OUT 6
AES OUT 7
AES OUT 8

Filters for PLAY 1 routed to LINE OUT 1

Type	Off	Off	Off	...
Freq				
Gain				
Q				

Now import the filter data from your room measurement software (Sonarworks or REW):

Dolby ATMOS setup

☑ ATMOS Enable

Speaker format: 5.1   Global sync delay (ms): 0.00 - +

Load REW Preset | Load TXT Preset
Open Scene | Save Scene
Clear | Apply

LFE settings
Source: PLAY 4   LPF type: Linkwitz-Riley   Slope: 24dB/oct   Freq: 75 - +   Copy to satellites   ☐ 10dB gain

☐ Filter disable   ☑ Bass management   Global bass mgnt LPF/HPF type: Linkwitz-Riley

Speaker	Source	Physical out	Gain (dB)	Filters	Channel delay (ms)	Level to sub (dB)	LPF slope	LPF frequency	HPF slope	HPF frequency
L	PLAY 1	LINE OUT 1	0.0 - +	Click	14.60 - +	0.0 - +	24dB/oct	75 - +	24dB/oct	75 - +
R	PLAY 2	LINE OUT 2	0.0 - +	Click	13.27 - +	0.0 - +	24dB/oct	75 - +	24dB/oct	75 - +
C	PLAY 3	LINE OUT 3	0.0 - +	Click	15.28 - +	0.0 - +	24dB/oct	75 - +	24dB/oct	75 - +
Sub/LFE	Sum LFE+Sat LPF	LINE OUT 4	0.0 - +	Click	0.00 - +	0.0 - +	24dB/oct	75 - +	24dB/oct	75 - +
Ls	PLAY 5	LINE OUT 5	0.0 - +	Click	15.99 - +	0.0 - +	24dB/oct	75 - +	24dB/oct	75 - +
Rs	PLAY 6	LINE OUT 6	0.0 - +	Click	2.95 - +	0.0 - +	24dB/oct	75 - +	24dB/oct	75 - +

Filters for PLAY 1 routed to LINE OUT 1 for the Left speaker.

Type	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak	Peak
Freq	46 Hz	121 Hz	150 Hz	185 Hz	314 Hz	390 Hz	559 Hz	651 Hz	735 Hz	883 Hz	1334 Hz	2335 Hz	3564 Hz	5227 Hz	10579 Hz	15407 Hz
Gain	3.205 dB	-2.704 dB	2.401 dB	-3.296 dB	-6.425 dB	3.517 dB	5.035 dB	-3.216 dB	4.106 dB	3.040 dB	4.352 dB	4.148 dB	-2.957 dB	1.611 dB	-2.968 dB	1.483 dB
Q	0.500	5.031	4.900	4.457	3.578	7.477	5.442	4.415	5.665	8.434	6.267	3.991	0.500	3.574	1.485	1.426

Press the "Save Scene" button to save this new completed scene to the SD card:

You may now close the Dolby ATMOS setup page and NControl.

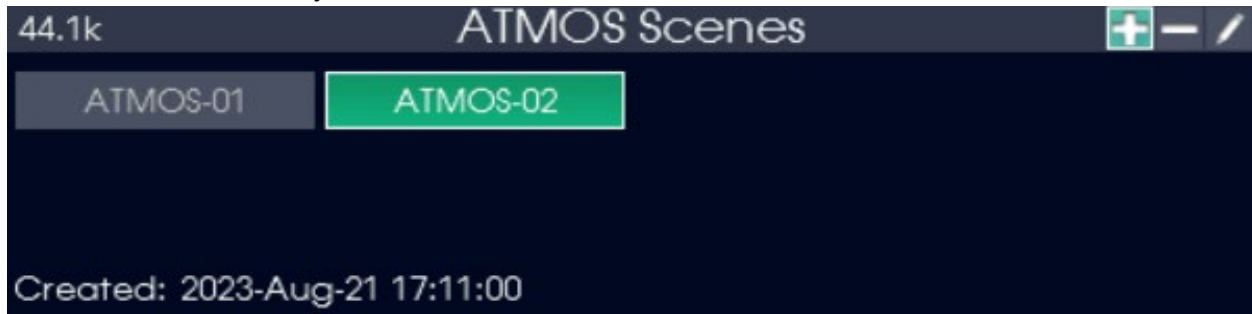Place the SD card back into the microSD card slot on the Aurora(n).

On the Aurora(n), press "Fuction" then navigate to the SD Menu:

Then to the ATMOS Scenes Menu

44.1k	SD Menu		13:44:03
ATMOS Scenes	Sessions	Playlists	Scenes
SD card	Format	Firmware Update	

Select the scene that was just saved onto the SD card:

44.1k	ATMOS Scenes	➕ ➖ /
ATMOS-01	ATMOS-02	

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Press the "Select" button to open the scene. The scene is now active on the Aurora(n) until the "Restore defaults" menu option is selected.