4.2.16.8 Software Release

Presented by:

David Meyerowitz - Technical Sales Manager EU

Duration: 30 minutes + Q&A (approx)

Housekeeping

- Session is being recorded
- Follow up with links to recording and slides will come 24 hours from now
- Audience in Listen Only Mode
- Please type your questions in the Questions window
- We will try and answer all questions during the session. If there is anything we can't answer we will follow up after.

Agenda

- 4.2.16.8 Software Release:
  - Altitude +4
  - IMAX Enhanced
- Q&A

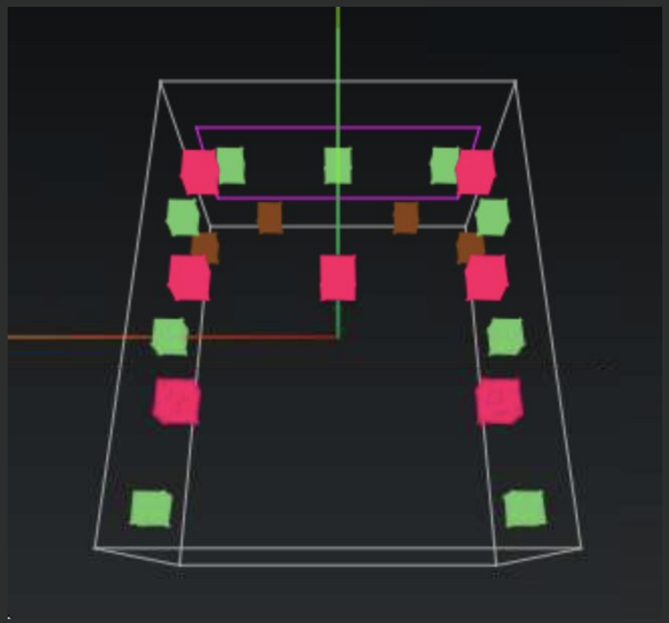
How do I upgrade my unit to 4.2.16.8?

- Release date is next **Monday 29th November**
- In the first instance please ask your dealer/distributor who can run the upgrade remotely via our **My.Trinnov** platform
- Email **support@trinnov.com** with your serial number and we can perform the upgrade
- Updates may be available via your front panel display/VNC interface **but** this is **not default** so has to be enabled by your dealer/distributor
- Its advised you make a backup before performing any over the air upgrade
- Please turn off your amplifiers before starting update

4+ What it is and how does it work?

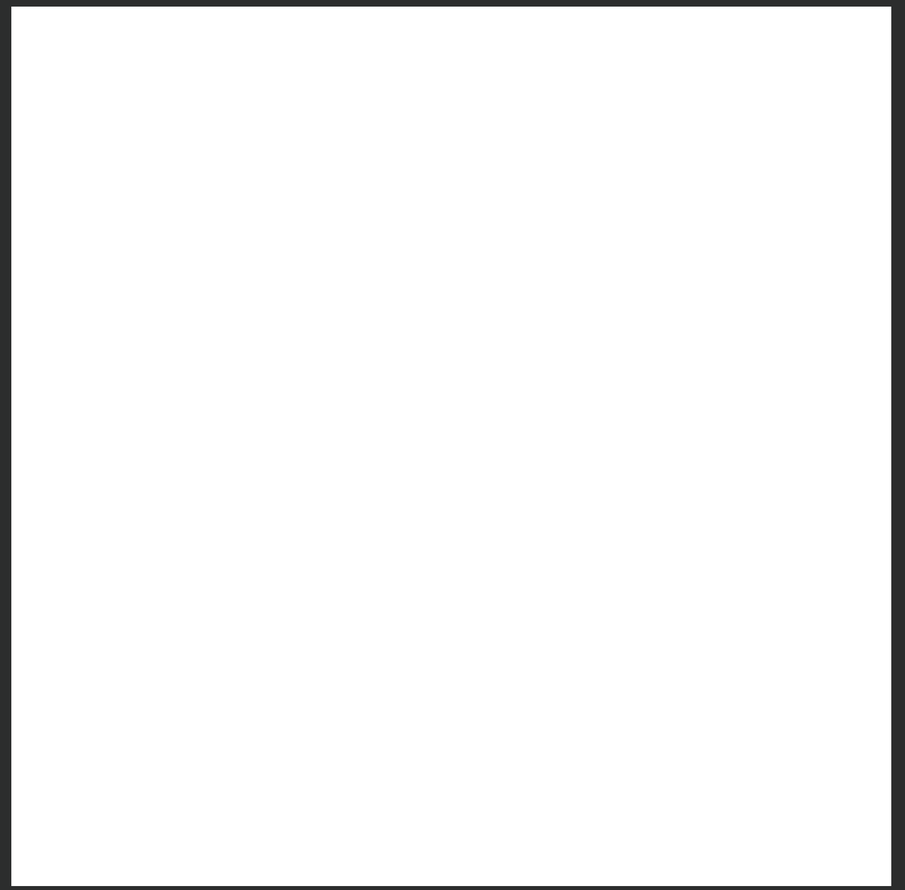
4+ ALTITUDE | PLATFORM

- Additional 4 x discrete Optimized outputs via S/PDIF or AES/EBU free of charge
- Allows AL16 and AL32-816 to achieve these popular, up to 20 channel, layouts:
    - 9.1(4).7, 11.1(4).5 or 9.1(4).4 with biamped LCR
- Not just for additional subs, but that is the intended application
- Can be used for any additional speaker(s)



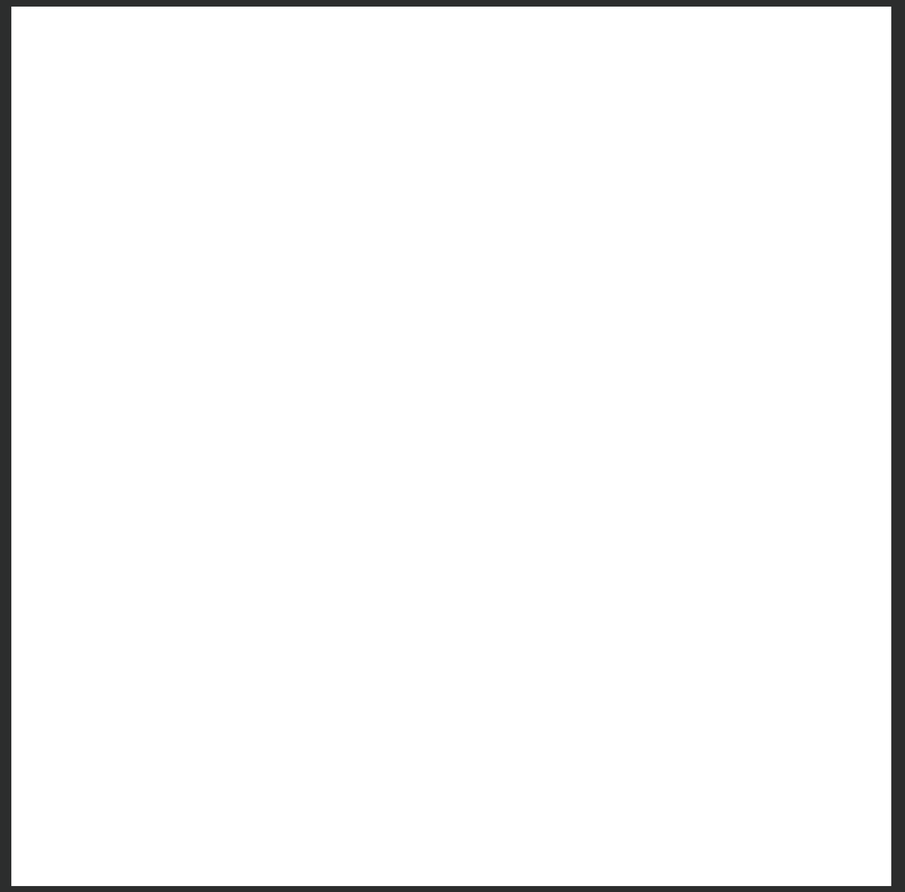
4+ ALTITUDE | PLATFORM

- Why we changed from ADAT:
  - Majority of ADAT converters do not change sample rate automatically
  - Those that did introduced very loud pops and noise during that switch
  - We felt that was not acceptable for the high-end market



4+ ALTITUDE | PLATFORM

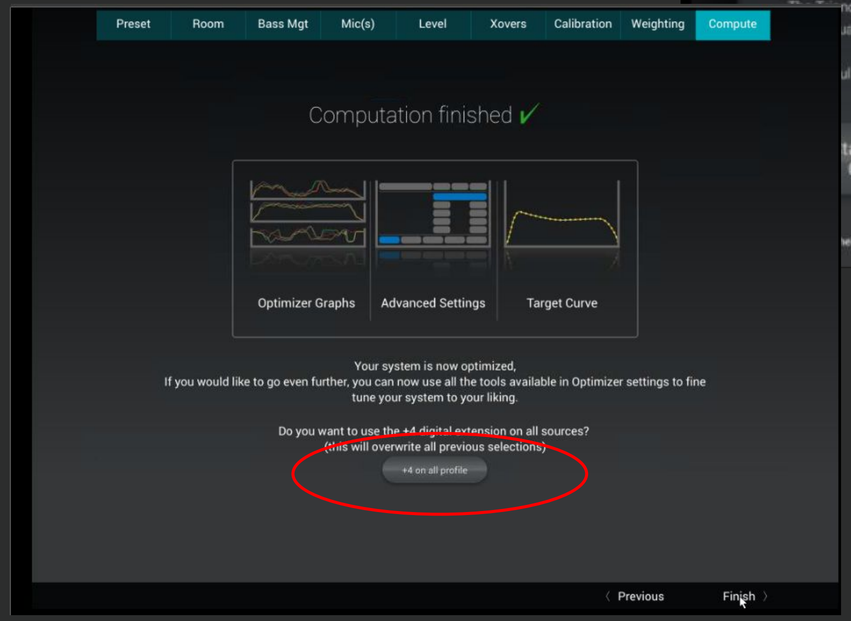
- The change to S/PDIF:
  - Easier to source than ADAT converters
  - More cost effective
  - More variety to match your intended use
  - More stable operation
  - Auto switch sample rate (unless not specified)

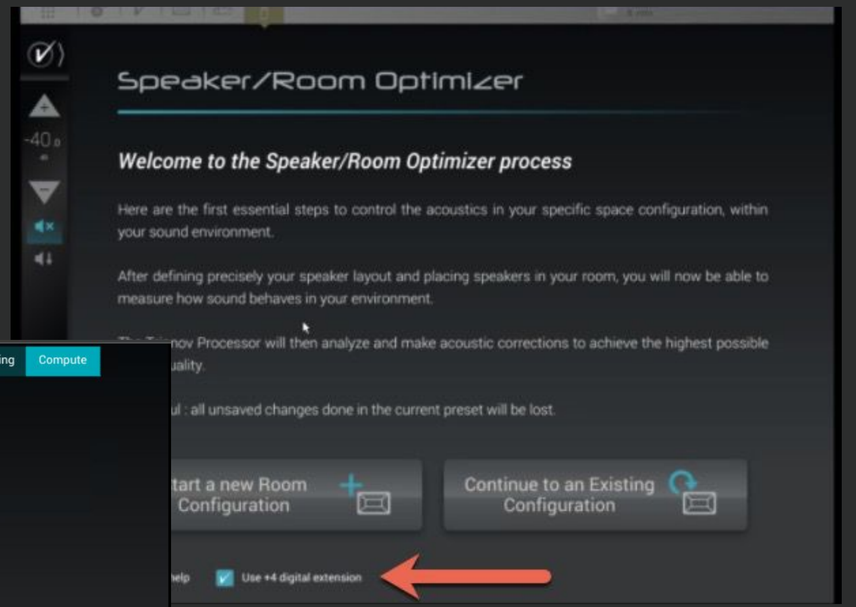


4+ Setup for Altitude16 and 32

New Configuration:

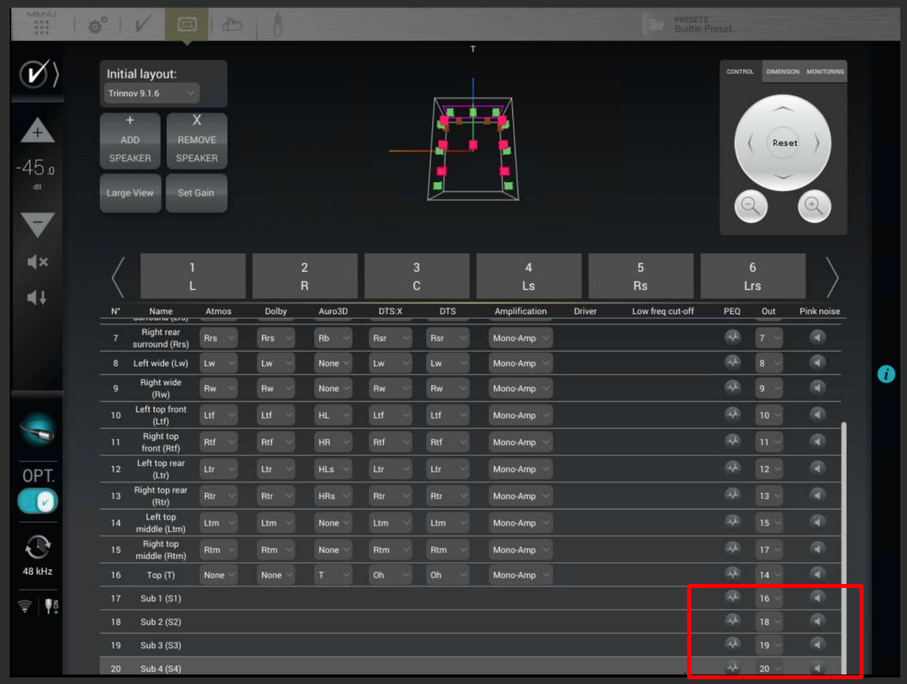
- If it's a new configuration it's advised you use the updated Wizard for both Altitude16 & 32:
  - New +4 option which will set the output connector
  - Apply to all sources button





Existing configuration Altitude[16]

- Add the extra channels required on speaker declaration page (as previous):
  - Output 17 & 18 are on Coax output
  - Output 19 & 20 are on Toslink output

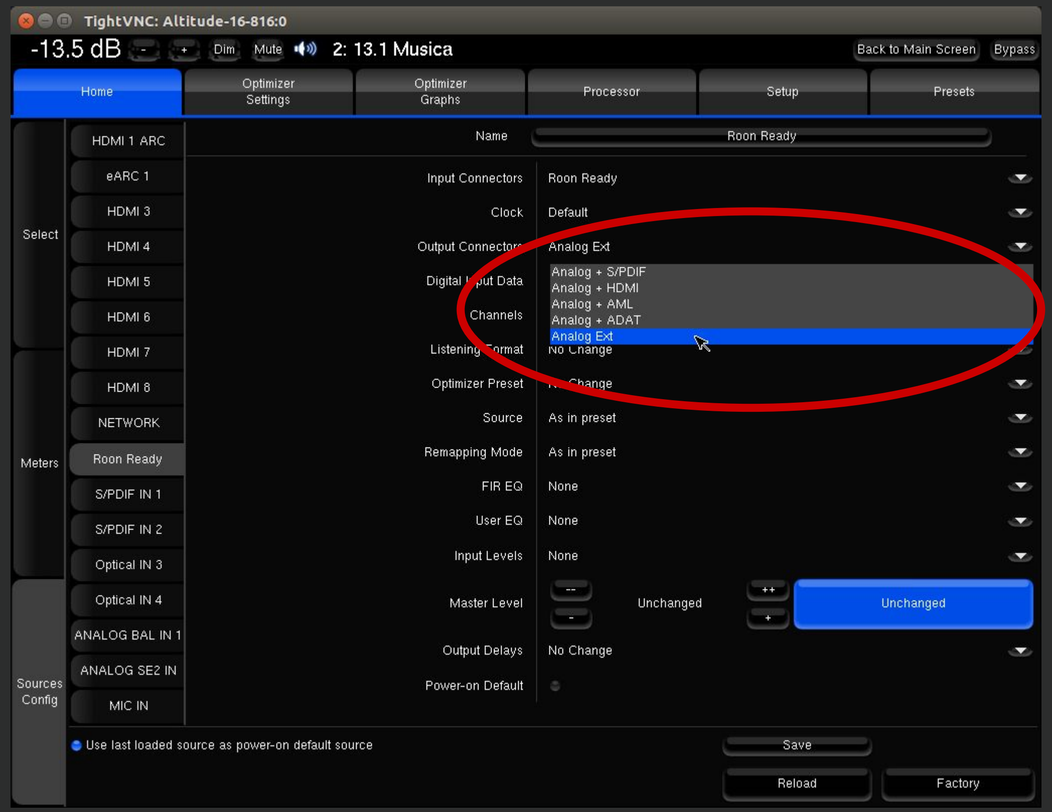


Note:

- When you add or remove a speaker you will automatically loose the previous calibration so please duplicate your Prest before you begin.

Existing configuration Altitude[16]

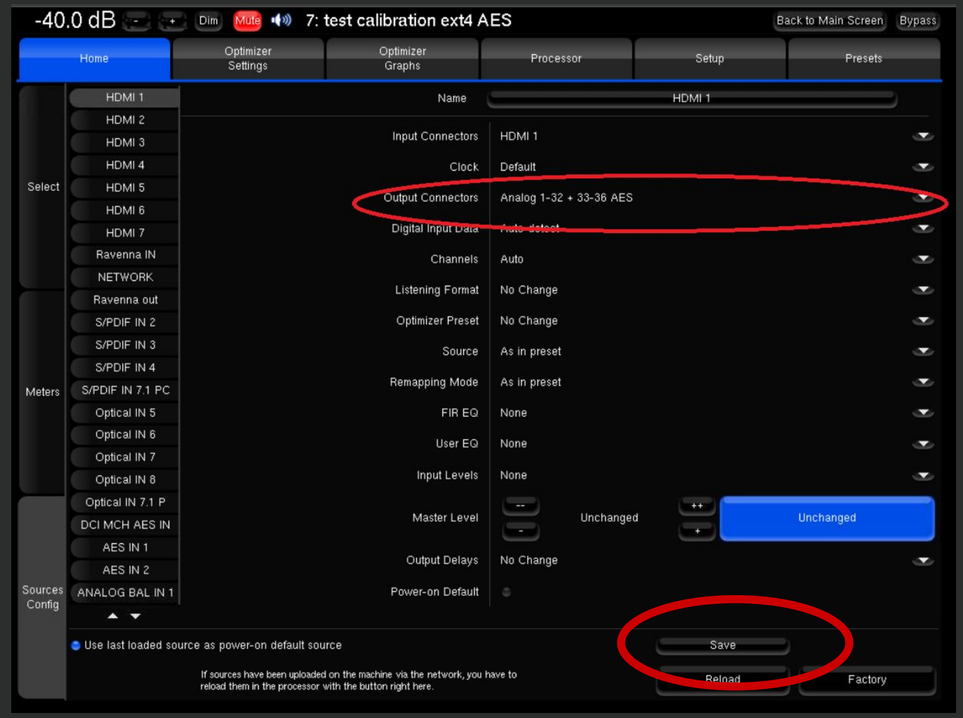
- Add the extra channels required on speaker declaration page (as previous):
  - Output 17 & 18 will be Coax
  - Output 19 & 20 will be Toslink
  - Change Output Connector in Source Config to **Analog EXT**
  - You need to do this for **EVERY** source including MIC input
- Press **Save** once complete and you are ready to Re-calibrate



Existing Setups on Altitude^{32}

- Output connector will need to be changed to the following dependent on model:
  - Analog 1-8 + 9-12 AES **- Altitude32-88**
  - Analog 1-16 + 17-20 AES **- Altitude32-816**
  - Analog 1-24 + 25-28 AES **- Altitude32-1624**
  - Analog 1-32 + 33-36 AES **- Altitude32-1632**

- Press **Save** once complete and you are ready to Re-calibrate



4+ Important Information

Important Information

- The +4 option brings the maximum sampling rate from **192kHz to 96kHz on all models** of Altitude32
- In such situations, the Clock page indicates whether the current sample rate is supported. If not, the sound will not be present
- Any D to A converters **not supporting 96kHz** will receive sound but will not be played if max sample rate input is exceeded.

Important Information

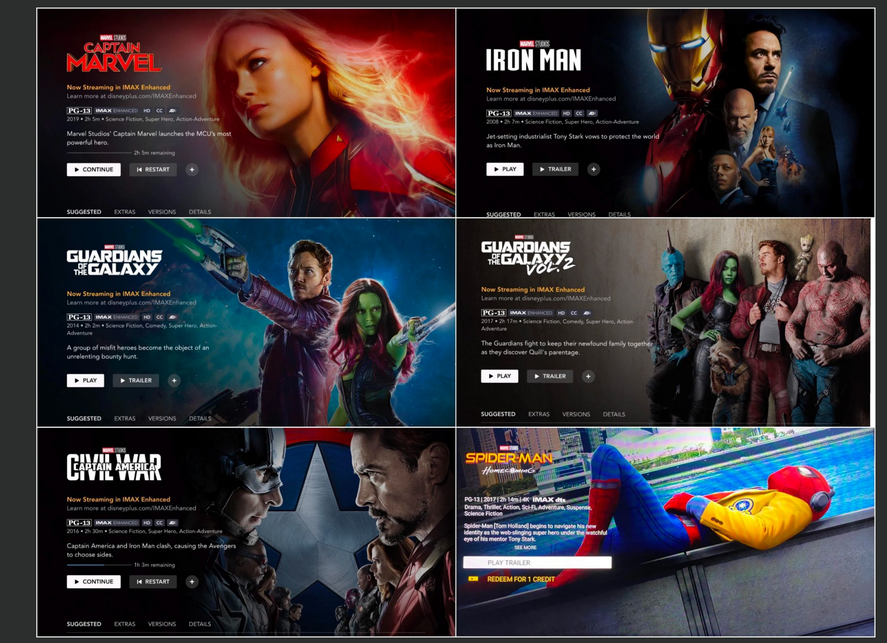
- If you are already using all 16 x AES/EBU Outputs on Altitude32 how do you use +4?
  - Not available for coming release
  - R&D are working on this and we will update you on the next release

- The example here is mainly active speaker systems, such as Meridian, that take up all the available 16 x AES/EBU outputs.

IMAX Enhanced

IMAX Enhanced

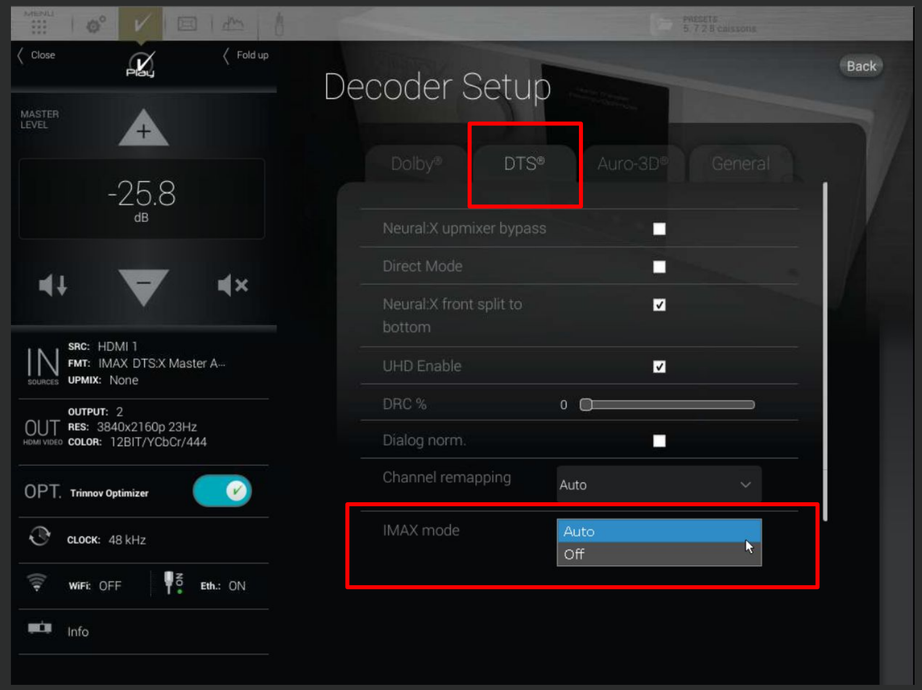
- We are now officially certified after lengthy certification program
- Disney+ recently announced their partnership
- So lots more content on the horizon
- So don't ignore it. Talk to your customers about it. Very recognisable brand to the general public.
- Trinnov's **unique** implementation allows up to **30 discrete channels** using Neural:X upmixer



IMAX® ENHANCED

IMAX Enhanced

- IMAX Mode settings in DTS Decoder options. Can be disabled if required or left to Auto
- IMAX Enhanced Mode is automatically detected and changes the LFE settings as prescribed by DTS
- Bass Management settings not changed. This was our decision as we base our BM settings on speakers not content.
- True-Bass not enabled in our implementation.
  True-Bass adds bump to frequency response that's designed for soundbars and small speaker kits.



THANK YOU !