marantz

2019-20 Product Training

SOUND UNITED

Jose Pontones

Gerente de Ventas

DENON® marantz® CLASSE HEOS®

Boston acoustics® D. DEFINITIVE TECHNOLOGY® polk

Marantz History and Brand Story

- Saul Marantz's basement in 1951
- He was dissatisfied with the sound of available home audio gear
- Company has produced some of the most successful and iconic in home audio history

Better sounding

Longer lasting

Better looking products

Volkswagen Group

Twelve brands with individual identities but common goal: mobility. Something for everyone. Each brand operates as an independent entity on the market.

The Marantz Difference

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Do you see the same car?

Porsche Macan
252HP
$47,800

Audi Q5
252HP
$41,500

- They utilize similar engine, chassis and core functionality
- They provide different driving experiences
  - Different handling, design and equipment like tires, wheels, etc.

Porsche commands over a 15% premium for their enhancements

The Marantz Difference

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Do you see the same AVR?

Marantz SR7013
125w x 9

Denon AVR-X4500H
125w x 9

- Marantz and Denon leverage same platforms for video and CI features
  - All customers benefit from latest video and surround technologies
  - Better control of production quality due to larger, total production volumes
- Separate approach for amplification, audio tuning and industrial design

The Marantz Difference

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DENON®

Denon Audio Circuitry

Denon Sound Tuning

DENON Sound Manager
YUUKI TAKAHASHI

Functionality

HEOS®
AUDYSSEY MULTEQ XT32 DYNAMIC VOLUME
Wi Fi CERTIFIED
AirPlay
Bluetooth®
Spotify
HDMI
4K UHD HDR / HDCP 2.2
COMPATIBLE DOLBY VISION
isf ccc
IMAX ENHANCED
DOLBY ATMOS
dts X
works with the Google Assistant
Works with Apple AirPlay
WORKS WITH alexa

marantz®

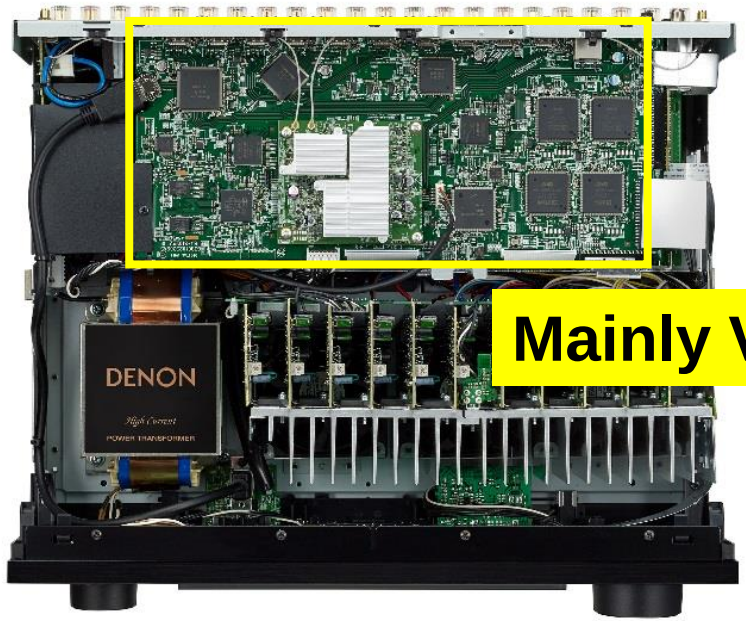
Marantz Audio Circuitry

Marantz Sound Tuning

Marantz Sound Manager
Yoshinari Ogata

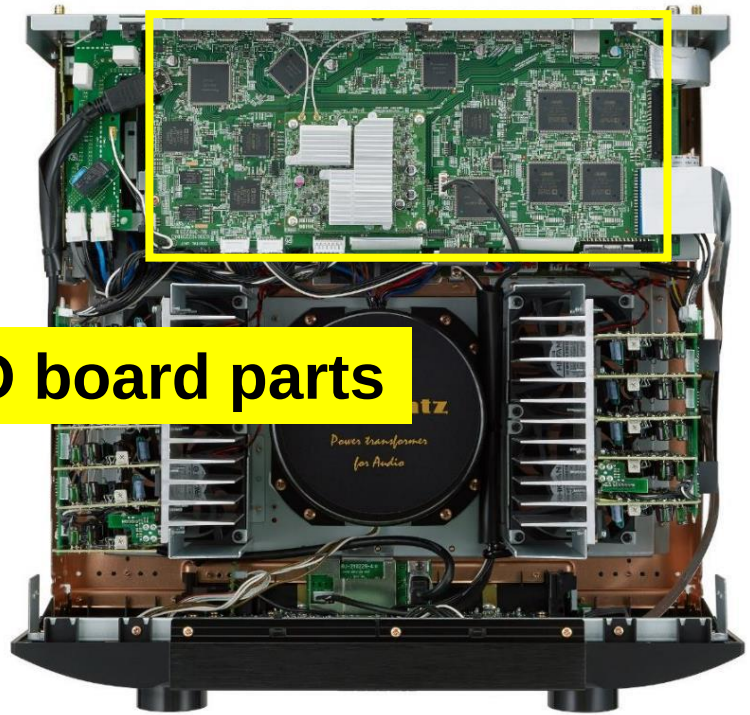
The Marantz Difference

Marantz AVRs only share 57% of parts with the comparable Denon



Denon X6500H

Mainly VIDEO board parts



Marantz SR8012

The Marantz Difference

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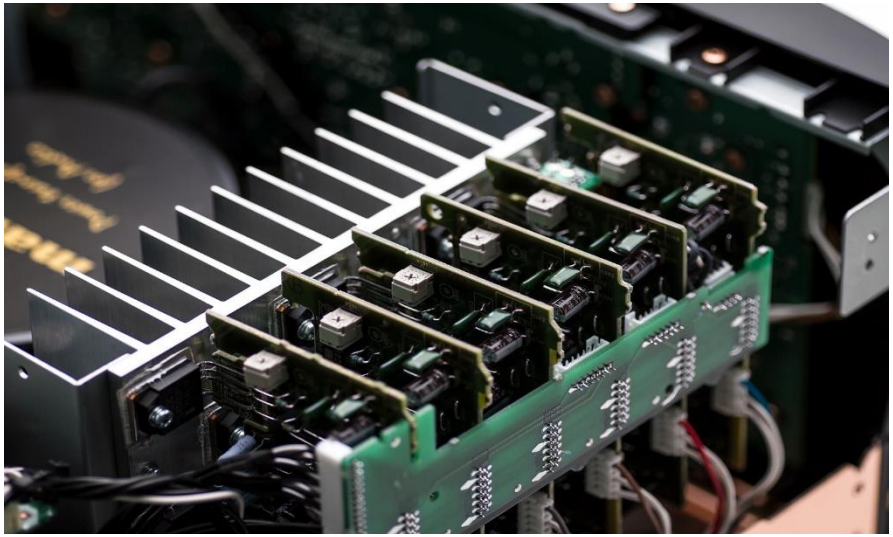
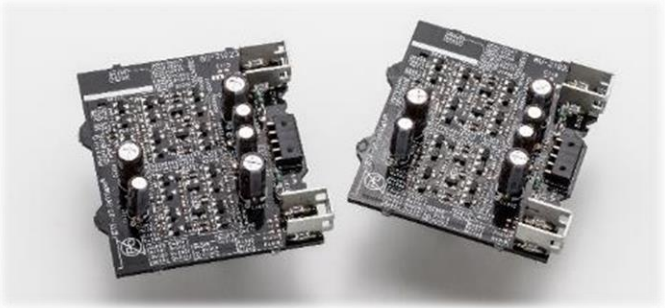
Marantz AVR's have more parts than the comparable AVR

An SR8012 **has 14% more parts** versus competitive AVR with equivalent power and performance due to its HDAM topography resulting in better sound





The Marantz Difference

Marantz uses unique preamplifier and amplifier technologies

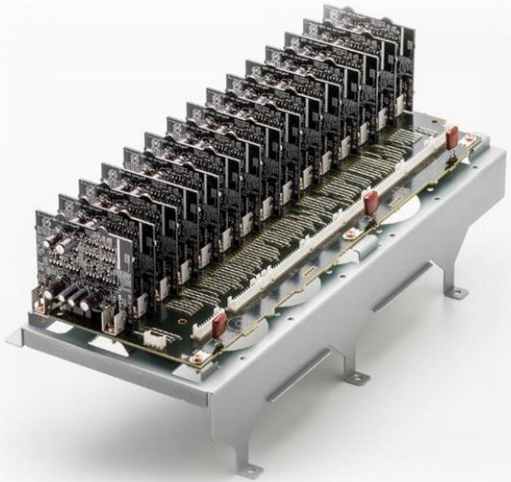
- HDAMs (Hyper Dynamic Amplifier Modules)
- Current Feedback

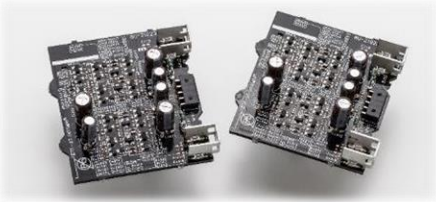
Benefits of HDAMs…

- Greater dynamic range
- Better detail and imaging

Benefits of current feedback…

- Faster response to signal changes
- Lower distortion at all listening levels





The Marantz Difference

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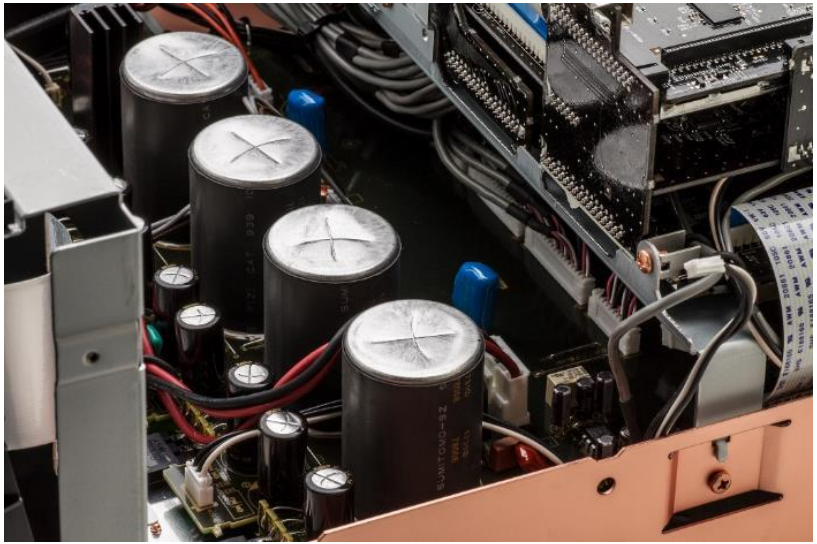
A Marantz AVR has higher quality than the comparable AVR

Toroidal transformer 330% more expensive than EI core version (musical sound)



Custom ELNA capacitors are 40% more expensive due to higher capacity and better grade

The Marantz Difference

Marantz utilizes premium parts and materials…

Toroidal power supplies

- For reduced RF and EM interference

ELNA audiophile-grade capacitors

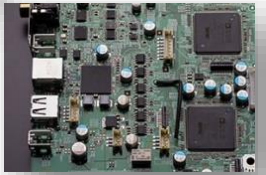
- For greater detail, soundstage and imaging

Copper-plated chassis

- For improved grounding and isolation

Higher parts count

- For greater control over sonic fine-tuning



The Marantz Difference

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Marantz and Denon offer state-of-the-art features and performance

Marantz and Denon have different “sonic signatures”

- **Marantz:** Warm and musical sound quality
- **Denon:** Clean and dynamic sound quality

The difference is audible

The preference is in the ear of the listener

Audyssey Technologies

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MultEQ

Speaker setup

- Distance, sensitivity and bass extension

Room calibration

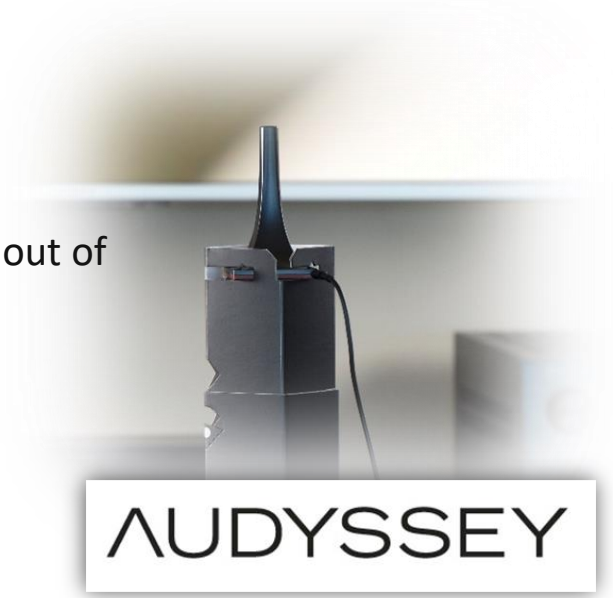
- Deliver maximum sound quality by taking the room out of the equation
- For best results measure 6 to 8 listening positions

Dynamic Volume…

- Auto compensation for dramatic volume changes

Dynamic EQ…

- Automatically delivers reference quality dialog, bass and surround at all listening levels



Enhanced Audyssey Technologies

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Premium Marantz AVRs offer additional Audyssey technologies

SubEQ HT

- Calibrating two subs independently
- Smoother, more evenly distributed bass

LFC (Low Frequency Containment)

- Less bass through walls, ceiling and floors
- More perceived bass in the room

Audyssey By Marantz Model

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AUDYSSEY *Built-in*

AUDYSSEY *Bronze Built-in*

MultEQ
Dynamic Volume
Dynamic EQ

NR1510
NR1710

AUDYSSEY *Silver Built-in*

MultEQ XT
Dynamic Volume
Dynamic EQ

SR5014

AUDYSSEY *Platinum Built-in*

MultEQ XT32
Dynamic Volume
Dynamic EQ
SubEQ HT
LFC

SR6014 and above

Audyssey App

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Available for:

iOS

Android

Audyssey App

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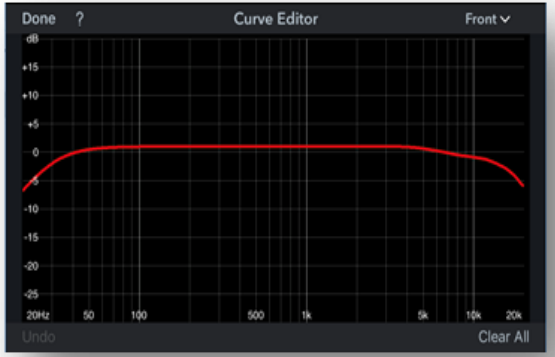

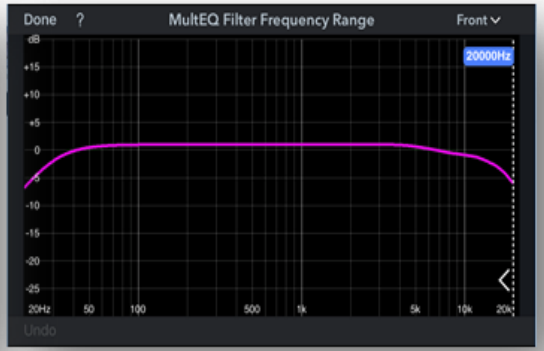

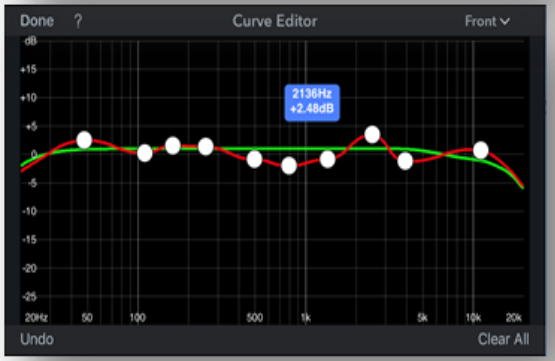

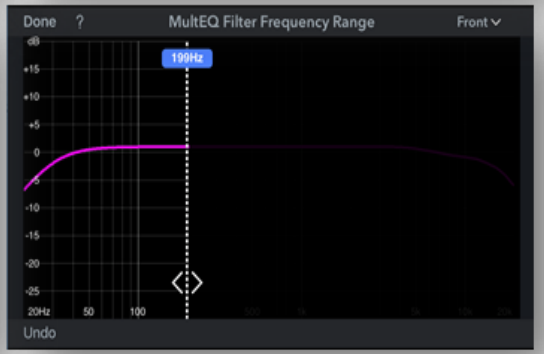

Immersive Audio Formats

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Marantz supports all available immersive audio formats

- Dolby Atmos, DTS:X and DTS Virtual:X on all 7-channel and larger AVRs and both pre/pros
- Auro-3D on AVRs with an MSRP of $1600 or higher and both pre/pros
- IMAX Enhanced on AVRs with an MSRP of $1500 or higher and both pre/pros

DOLBY ATMOS

dts X

dts Virtual:X

Auro 3D AUDIO

IMAX ENHANCED

IMAX DTS

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The signature IMAX sound mix, delivered to the home exclusively by DTS

IMAX and DTS have united to the immersive IMAX entertainment experience into your client's home.

Leverages high brand awareness of IMAX

- 1200+ IMAX Theaters Worldwide
- 450,000,000+ people have experienced IMAX since 1970
- Already perceived as a premium theater entertainment experience

IMAX enhanced content and products deliver

- Cinema like audio with depth, deep bass and dynamic range
- IMAX point-source theatrical mix optimized by DTS for the home
- Models and delivers the IMAX sound found in IMAX theaters

IMAX® dts®

IMAX Enhanced

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*Flags the AVR and alerts unit to switch to **"IMAX Mode"***

IMAX® ENHANCED

Sound Mix

IMAX Mode Options:

- ***AUTO**: Default setting. When the IMAX flag in the audio stream is detected the IMAX mode will be activated.*
- ***ON**: The IMAX mode is always on. This setting is recommended when streaming IMAX content, since the IMAX flag might be missing in streaming content.*
- ***OFF**: IMAX flag will not trigger IMAX Mode*

IMAX Enhanced

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The signature IMAX sound mix, delivered to the home exclusively by DTS

Content	Delivery	Audio	Video
21st Century Fox, Paramount, Sony Pictures, Universal, Warner Bros. Pictures, Walt Disney Pictures, IMAX	PRIVILEGE 4K, FANDANGONOW, + 4K UltraHD		

IMAX Enhanced Bass Management (Full Range Towers)

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Non-IMAX

- Bass management is based on “**Speaker Setup**” MENU.

IMAX Enhanced

- Processed using **Special Bass management for IMAX**
- HPF and LPF are fixed to pre-determined frequency by IMAX

When playing back IMAX Enhanced content on a system without external subs use the “IMAX Audio” settings below.

- **Subwoofer Configuration = No**
- **Subwoofer Mode = On**

IMAX Enhanced Bass Management (Full Range Towers)

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Output both full range and LFE from the main speakers

	Subwoofer Mode = Off	Subwoofer Mode = On
Subwoofer Configuration =Yes	LFE signal: Output from Subwoofer **Bass information of speakers (lower than HPF): No Output**	LFE signal: Output from Subwoofer Bass information of speakers (lower than HPF): Output from Subwoofer
Subwoofer Configuration = No	LFE signal : Output from Front Speakers **Bass information of speakers (lower than HPF): No Output**	LFE signal : Output from Front Speaker Bass information of speakers (lower than HPF): Output from Front Speaker

When playing back IMAX Enhanced content on a system without external subs use the “IMAX Audio” settings below.

- **Subwoofer Configuration = No**
- **Subwoofer Mode = On**

Dolby Speaker Virtualizer (FY20 AVR)

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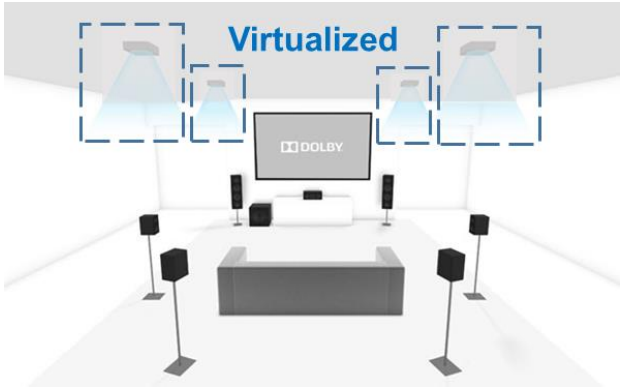
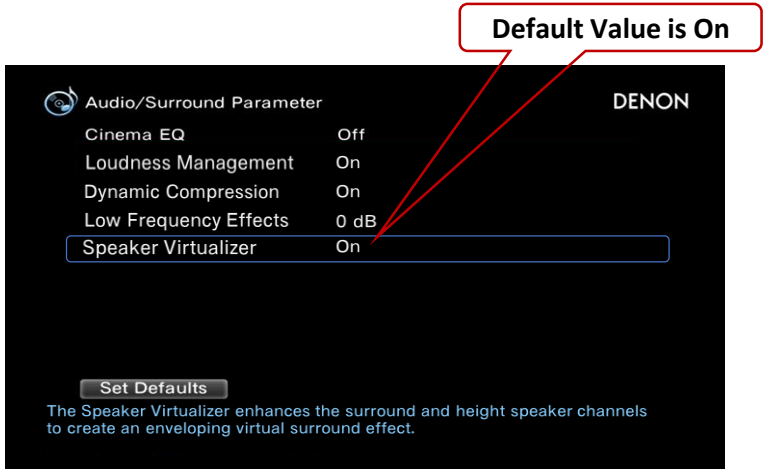
- Height/Surround virtualization to provide to an experience 3D immersive sound w/o Height/Surround speakers
- Can be enabled when “Dolby Atmos / Dolby Surround” sound mode





DOLBY ATMOS

Play any song in any room

HEOS®

HEOS: Overview

Up to 32 zones

- At least 8 simultaneous streams
- Up to 16 zones playing the same stream

With perfect room-to-room synchronization

- With perfect left/right stereo pairing
- With great soundstage and stereo imaging

High resolution audio support

Integrated standard Bluetooth

HEOS: Audiophile Synchronization

ZERO DELAY = NO ECHOS

PERFECT STEREO

BETTER IMAGING

HEOS: Music Services

Bluetooth for anything on your device that’s not in our App

HEOS HS2 Speakers

HEOS 7HS2

- 5-channel amplifier
  - (2) Tweeter
  - (2) Midrange, (1) Woofer
  - (2) Passive radiator
- Headphone jack

HEOS 5HS2

- 4-channel amplifier
  - (2) Tweeter
  - (2) Woofer
  - (1) Passive radiator
- Integrated carrying handle

HEOS 3HS2

- 2-channel amplifier
  - (2) Full Range
  - Ported enclosure
- Vertical or horizontal use
- Wall mountable

HEOS 1HS2

- 2-channel amplifier
  - (1) Woofer
  - (1) Tweeter
  - Sealed enclosure
- Humidity resistant
- Wall mountable

HEOS HOMECINEMA HS2:

- **2.1 solution**
  - 4-driver soundbar
  - Dedicated, wireless dual 5¼-inch sub
- **Dolby Digital and DTS decoders**
- **Apple AirPlay2**
- **IR output with supplied emitter**
- **Multiple inputs**
  - Analog and USB, coaxial and optical (1 ea.)
  - 2 x HDMI (One that supports ARC)

HEOS BAR

Can be further upgraded to 5.1

Any pair of HEOS speakers
HEOS Amp with passive speakers
Optional, wireless HEOS Subwoofer

- **3.0 low-profile soundbar**
- **4 HDMI 2.0b inputs**
- **HDMI ARC output with CEC**
- **Optical and coaxial inputs to be used in lieu of ARC**
- **IR input /outputs**
- **Internal power supply**
- **Analog and USB external audio inputs**
- **Hi-Res audio support**
- **Integrated Bluetooth**

HEOS SUBWOOFER

- **Dual 5¼-inch long-excursion woofers**
- **185-watt RMS Class D amplifier**
- **Use with HEOS Bar or AVR via direct wireless connection**
  - No line-level input
- **Pair with HEOS speakers, Amp or Link for 2.1 music playback**
- **Optimized crossover frequency set automatically based on application**
- **Level and phase controllable via HEOS App**
- **USB and 3.5mm inputs**

HEOS Retrofit Options

HEOS Link

- Wireless Pre-amplifier
- Denon AVR and HiFi Control (Power, Input and Volume)
- 12v trigger output
- Subwoofer pre-out
- Optical digital and analog inputs
- Coaxial and optical digital outputs
- Variable analog output

HEOS Amp

- 100w x 2 class D amplification
- Line input
- Optical input
- USB input
- Subwoofer pre-out

HEOS Custom Options

HEOS Super Link

- 4 Zones
- 1u rack-mountable with supplied ears
- Can control Denon or Marantz AVRs via IP
- Each zone can be set to full-range or high-pass
- Selectable, multiple HPF/LPF frequencies for each zone
- Stereo/mono option for each zone
- Analog preamplifier outputs can be set to fixed or variable
- Left preamplifier output can used as subwoofer output
- USB port and RCA-type analog inputs for each zone
- Coaxial and optical outputs for each zone
- 12-volt trigger output for each zone
- Matrix switching for all inputs to all zones
- Dolby Digital decoder for use with STB’s and streamers
- Dual Ethernet ports for daisy-chaining (Maximum 8 units)
- Ethernet only

HEOS Custom Options

HEOS DRIVE HS2

- 8 x 60 Watts all channels driven
  - Bridgeable to 4 x 130 watts
- Stereo or mono
- Link functionality (Still 4 zones when bridged)
- Full range or high-pass (Selectable HPFs from App)
- Stereo or mono
- Fixed or variable
- Full range or selectable LPF

- USB port and RCA-type analog inputs for each zone
- Coaxial and optical outputs for each zone
- 12-volt trigger output for each zone
- Matrix switching for all inputs to all zones
- Dolby Digital decoder for use with STB’s and streamers
- Dual Ethernet ports for daisy-chaining (Maximum 8 units)
- Ethernet only

Voice Control Functionality Comparison

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Voice Assistant	Amazon Alexa	Apple Siri	Google Assistant
	WORKS WITH amazon alexa	Works with Apple AirPlay	works with the Google Assistant
Ask to play music	✓	✓	NONE
Volume control	✓	✓ (via AirPlay only)	✓
Transport Control	✓	✓ (via AirPlay only)	✓
Power On/Off	✓	NONE	NONE
Input Switching	✓	NONE	NONE
Grouping devices	NONE	✓ (via AirPlay only)	NONE
Language	English German French Japanese	Global	English Japanese (now planning)

HEOS App Improvements

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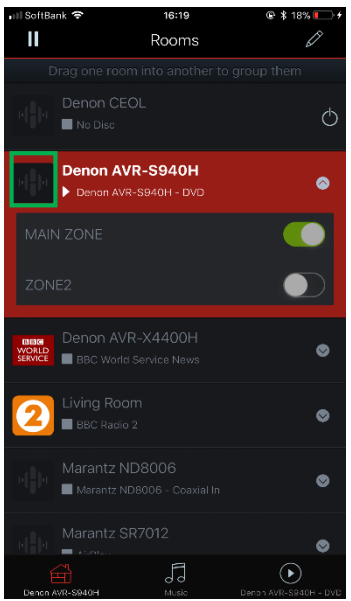
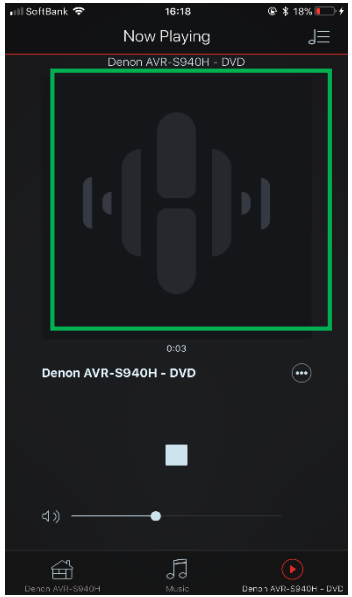
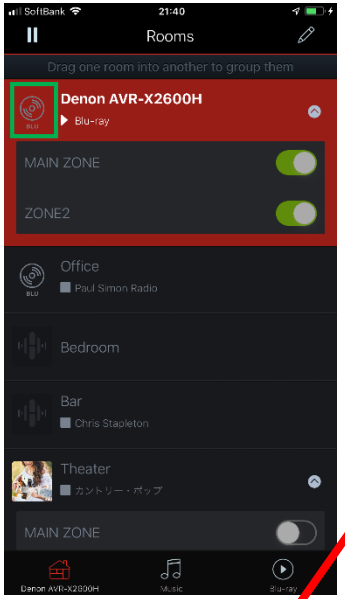
New playback icons on the Now Playing view (FY19 / FY20)

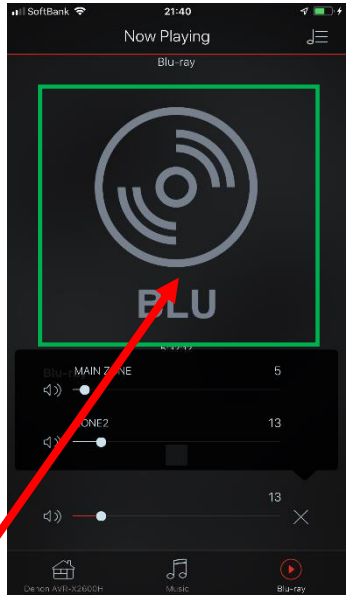
Before U19 Update





After U19 Update





Icon changes dynamically depending on source selected

HEOS App Improvements (FY20 AVR)

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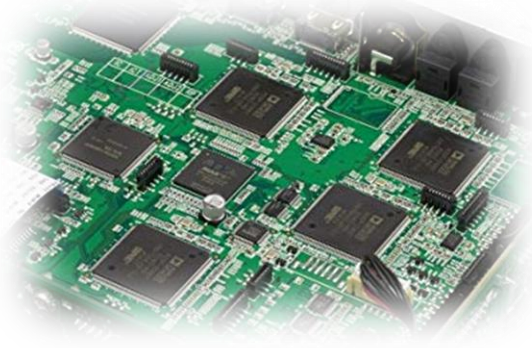
HEOS App

- Improve the HEOS app operability for selecting Legacy Input Source which is the majority use case of AVR.

TV Audio Sharing System

- All models allow all HDMI/Digital sources available for HEOS distribution.
- MAIN ZONE audio maintains native decode mode when distributing audio to the HEOS speakers.



NOTE: These two improvements are due to a change in the Hardware architecture for Zone audio distribution, so the improvements are available FY20 AVR or later.

HEOS App Improvements (FY20 AVR)

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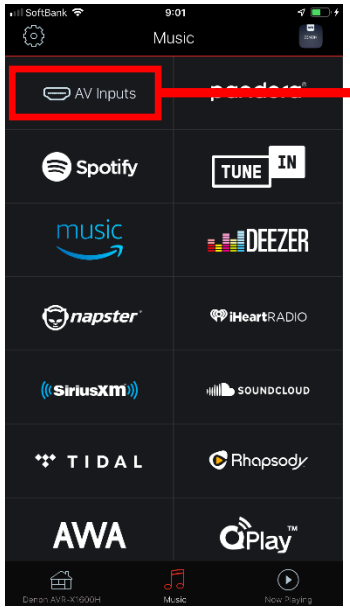
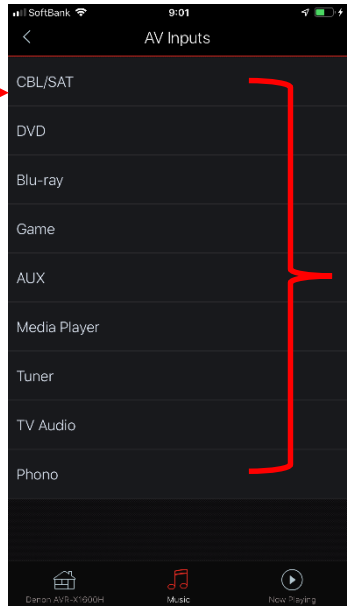
Quickly select an AVR Source via New AV Inputs tile

New AV Input tile makes accessing AVR Input sources quick and easy

- Tile only visible in Music view when the AVR is selected in Room view
- Lists AVR input sources only (Analog and Digital)





All Input sources appear

HEOS App Improvements (FY20 AVR)

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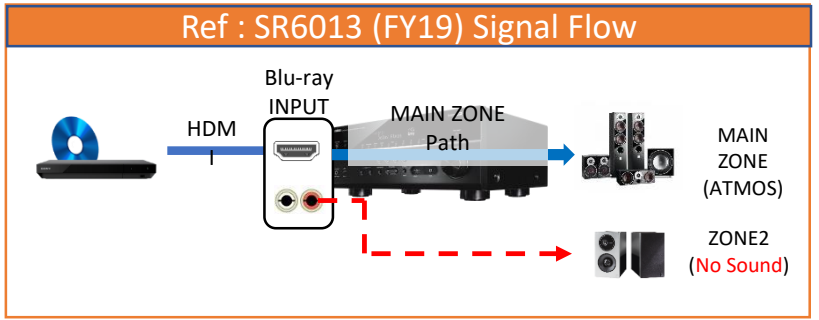
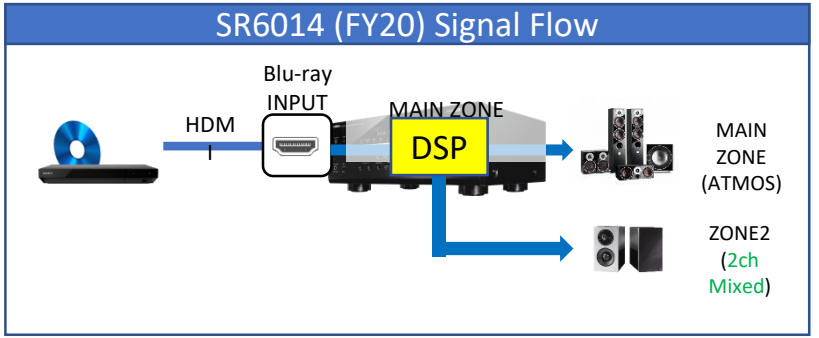
TV Audio Sharing –Multi-channel Signal Distribution

- MAIN ZONE maintains the native decoding while simultaneously distributing audio to ZONE2





HEOS App Improvements (FY20 AVR)

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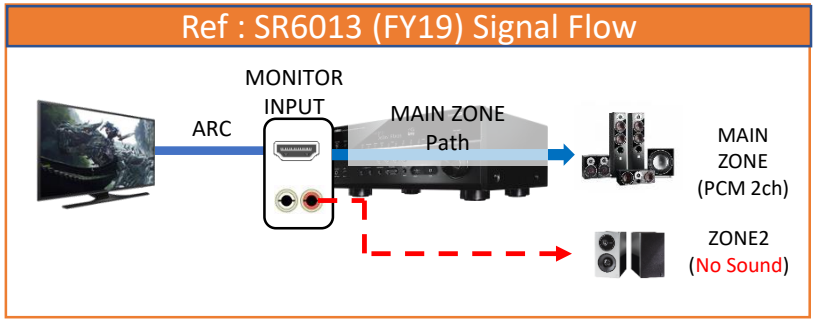
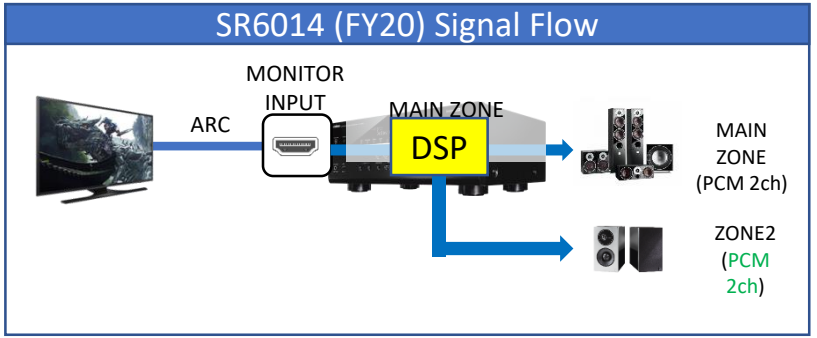
TV Audio Sharing –TV ARC Distribution

- MAIN ZONE and ZONE2 can play the ARC sound from TV simultaneously





HEOS App Improvements (FY20 AVR)

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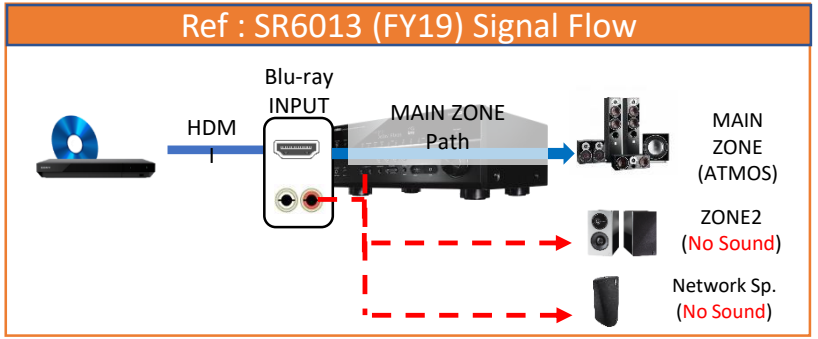
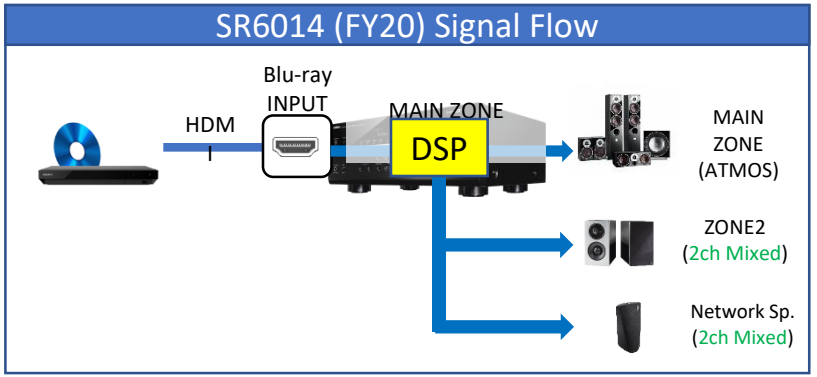
TV Audio Sharing – HEOS Grouped Playback

- The AVR can also distribute the 2ch downmixed audio to the HEOS speakers while Native decoding for MAIN ZONE.





HEOS App Improvements (FY20 AVR)

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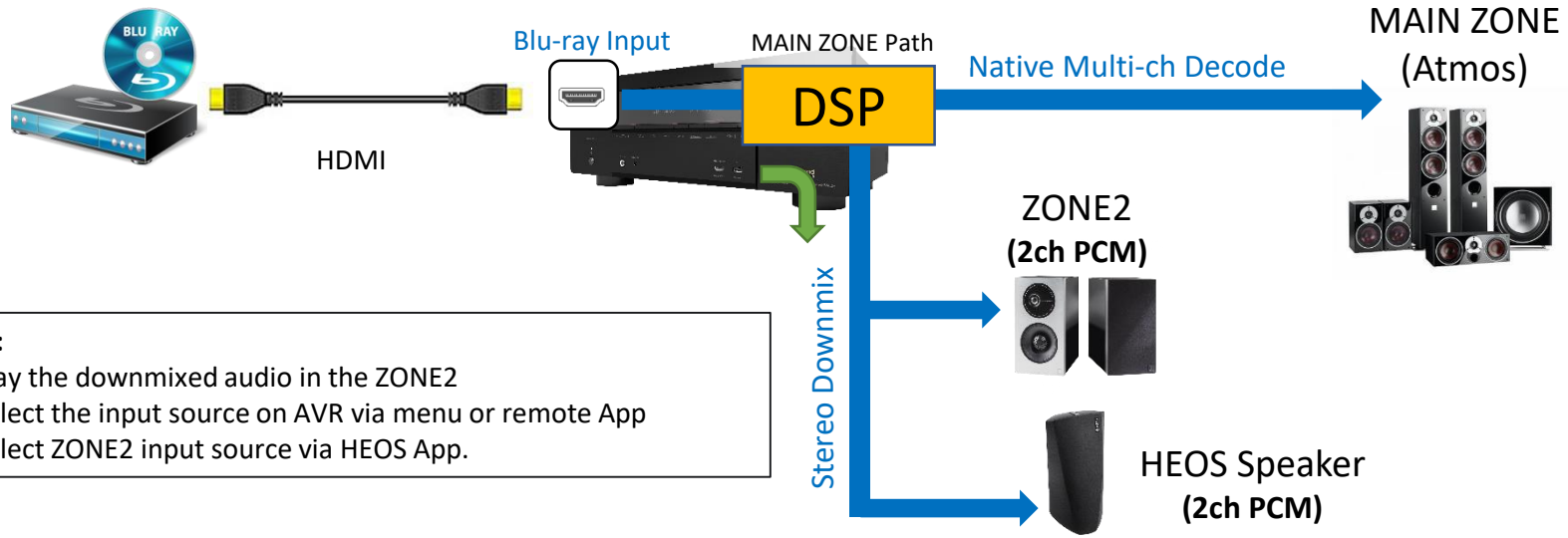
TV Audio Sharing

- On all Network models, all HDMI/Digital sources are available for HEOS distribution.
- MAIN ZONE maintains native Multi-CH decode mode while distributing 2ch audio to the HEOS speakers
- Downmix the any input signal to 2 channels in the DSP for distributing audio.



Note:
To play the downmixed audio in the ZONE2
- Select the input source on AVR via menu or remote App
- Select ZONE2 input source via HEOS App.

HEOS App Improvements (FY20 AVR)

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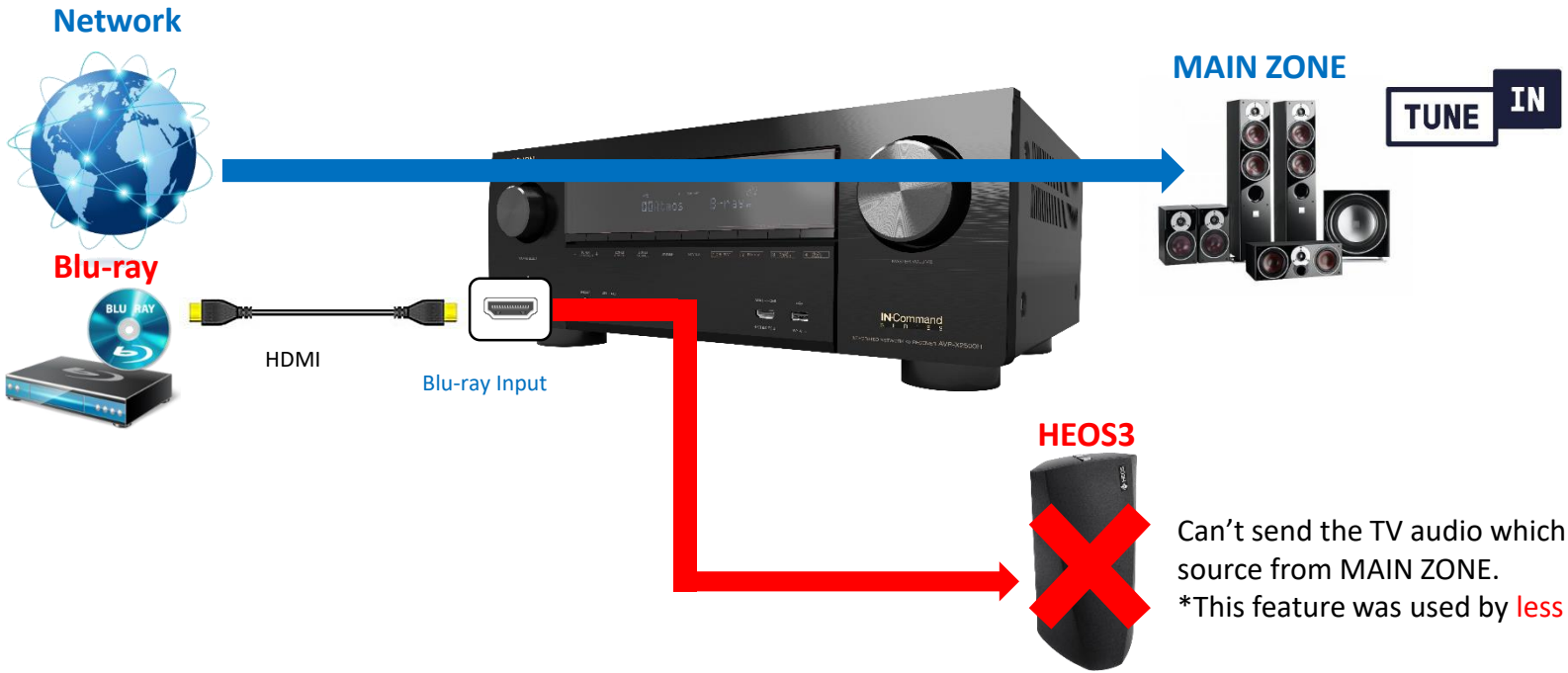
TV Audio Sharing - Trade Off

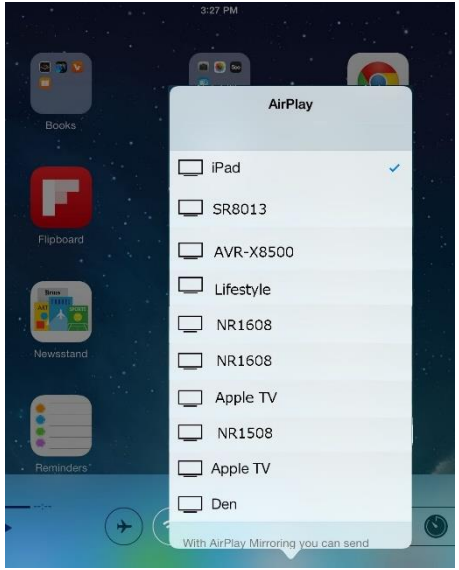
- Removed the ability to distribute an input source which is different from MAIN ZONE to the HEOS speakers

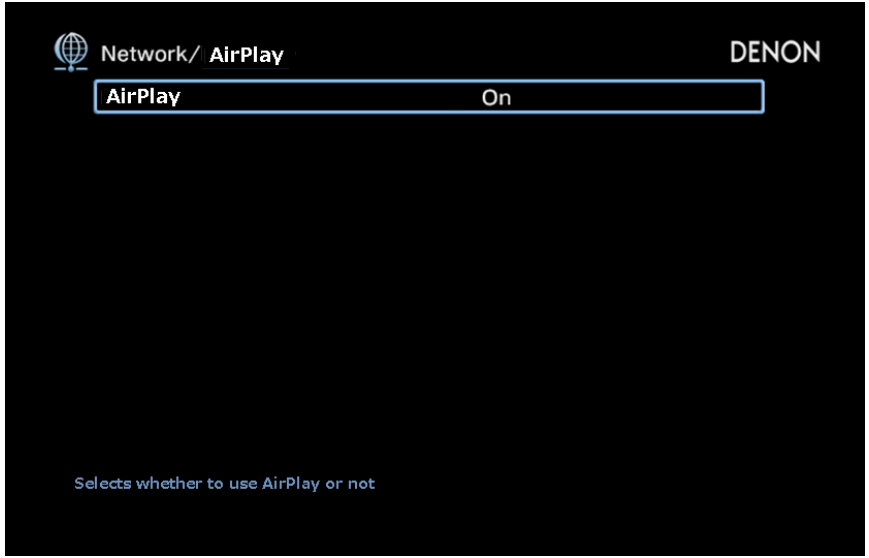


Can’t send the TV audio which is different source from MAIN ZONE.
*This feature was used by less than 2% users.

Airplay Disable (FY20 AVR)

- Sometimes there are so many Airplay compatible devices that users struggle to find the desired device
- Some installers may want hide some/all the AVRs on the network from AirPlay
- When set to “OFF” the AVR will not appear as an Airplay option on an iOS device





HDR Compatible HDMI Inputs/Outputs

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Marantz HDMI inputs have more than enough bandwidth to support the highest quality HDR

All HDMI inputs and outputs on all networking Denon AVRs models support 18Gbps.

- HDMI 2.0b with HDCP 2.2
- 4K@60P (up to 12bit Color Depth)
- HDR-10, Dolby Vision and HLG

Every source will be viewed at its best possible quality on any display

HDMI 2.1

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Marantz have already adopted some HDMI 2.1 features

eARC for lossless and immersive audio

- Dolby TrueHD and DTS HD Master Audio
- Dolby Atmos and DTS:X

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

ALLM (Auto Low Latency Mode)

- For improved gaming

Awaiting availability of HDMI 2.1 hardware for higher end models

eARC (Enhanced Audio Return Channel)

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For FY20 eARC functionality is available on Marantz AVRS at a lower price point

FY20		FY19	
DRA-800H	No		
AVR-S650H	Yes	AVR-S640H	No
AVR-S750H	Yes	AVR-S740H	No
AVR-S950H	Yes	AVR-S940H	No
AVR-X1600H	Yes	AVR-X1500H	No
AVR-X2600H	Yes	AVR-X2500H	No
AVR-X3600H	Yes	AVR-X3500H	Yes
NR1200	No		
NR1510	Yes	NR1509	No
NR1710	Yes	NR1609	No
SR5014	Yes	SR5013	No
SR6014	Yes	SR6013	Yes

Auto Low Latency Mode Support*

- When signal is detected the compatible devices will automatically switch into their game mode allowing for smooth, lag-free gaming
- FY14 flagship models and all models after FY15 have been updated to support ALLM

Repeater enters Low Latency Mode automatically

Sink enters Low Latency Mode Automatically

AVR disables the following functions as same as Game Mode in the current Video mode setting

- **i/p Scaler**
- **Audio Delay(Auto Lip Sync)**

No Reason To Wait For HDMI 2.1

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What about 48Gbps?

Supports up to 8K@60P and 4K@120P

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

2.1

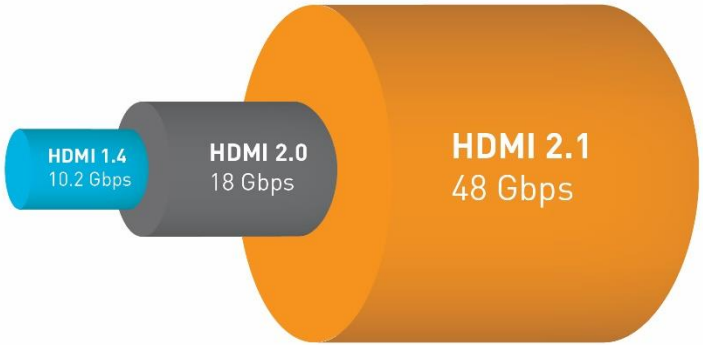
The Facts

No external HDMI 2.1 sources available

- No physical media
- No standalone streaming devices
- No Cable/Satellite STB

Streaming content from the TV internal apps

- eARC will send audio to the AVR
- That video never “touches” the AVR



Should A Customer Wait For HDMI 2.1?

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No need to wait, we have solutions!

The Marantz AV8805 can be upgraded to HDMI 2.1

- **Via HDMI board replacement**
- **Price and timing to be determined**

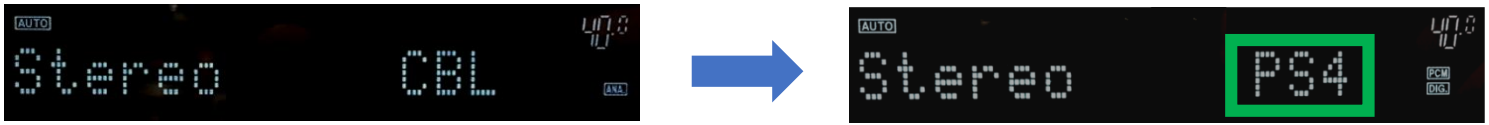
HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

2.1

Auto Rename from U20 (FY20 AVR)

AVR automatically renames the input to the connected device's name

Input source name will be renamed immediately when connected the device to AVR



The input source name is based on the HDMI information of the connected device

Case 1 : HDMI Control (CEC) =On
It will be renamed by **OSD Name**.

Case 2 : HDMI Control (CEC) =Off
It will be renamed by **SPD Info**.

NOTE: Number of characters for input source name has already been expanded from 12 to 16 in order to support longer device names

Auto Rename from U20 (FY20 AVR)

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AVR automatically renames the input to the connected device's name

Input source will be renamed immediately when connected the device to AVR

Source Device	HDMI information		Default CEC setting of Source Device
	SPD Info (CEC : Off)	OSD Name (CEC : On)	
Amazon Fire TV	FireTV	Amazon FireTV	On
Apple TV	-	Apple TV	On
Google Chromecast	-	Chromecast	On
OPPO UDP-203	UDP-203	UDP-203	Off
LG UP970	BD PLAYER	BD PLAYER	On
MS Xbox One X	Xbox One	-	(Doesn't support CEC)
Panasonic DMR-UBZ1	-	-	On(Japan)
ROKU ROKU ultra	H	Roku	On
SAMSUNG UBD-K8500	UBD-K8500	BD Player	On
SONY PS4	PS4	PlayStation 4	On
SONY UBP-X800	0x00	UBP-X800	On

Auto Rename from U20 (FY20 AVR)

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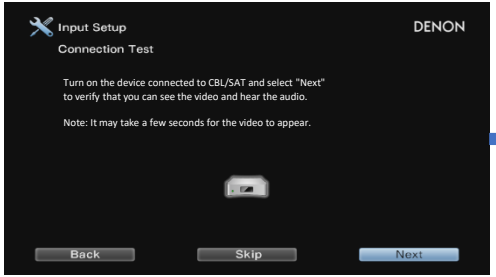
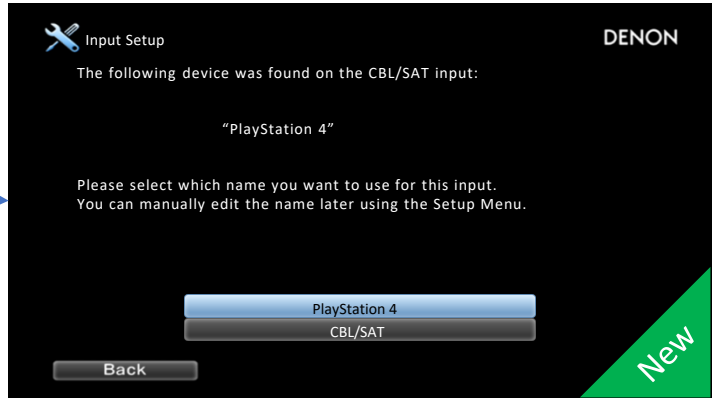
Using Setup Assistant/Input Setup



Enable “HDMI Control” internally and acquire the device name



Auto Rename from U20 (FY20 AVR)

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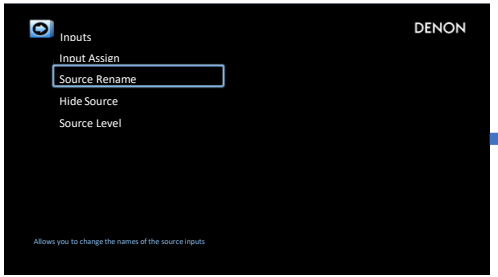
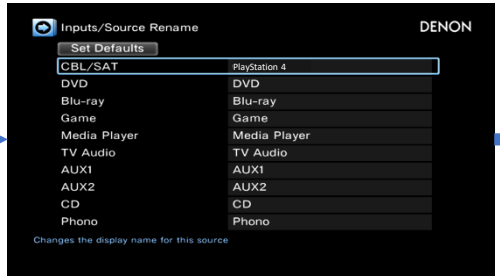
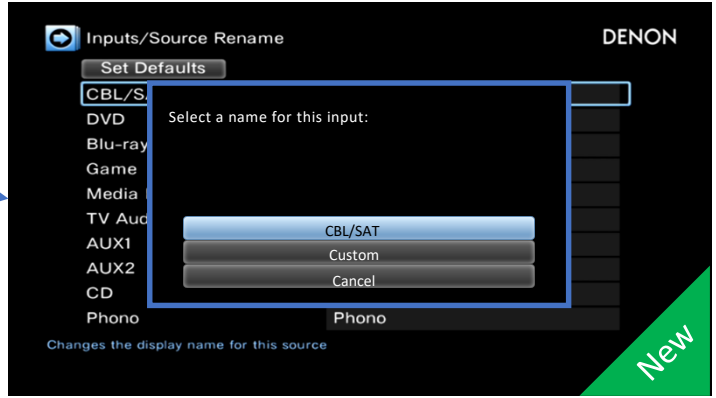
Using Setup Menu/Inputs/Source Rename



Enable “HDMI Control” internally and acquire the device name





If you don’t like the device name, you will be able to select the original source name. (i.e. CBL/SAT).

Multi Input Assignment (FY20 AVR)

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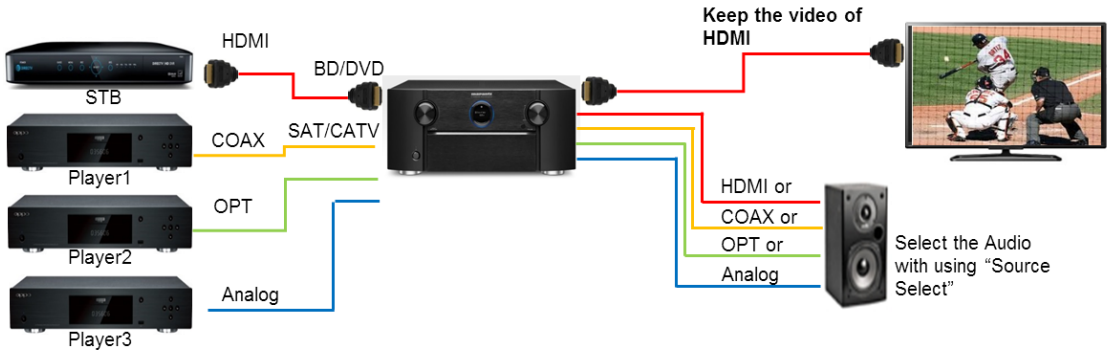
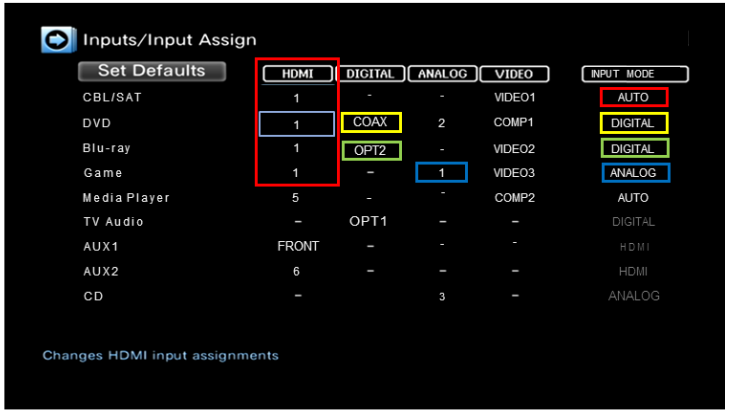
Combine the various audio sources with the same video source

- For example, change the music source such as CD Player or Streaming music player while keeping the sports program as the background video by selecting a source





FY20 Model [U20 update]

Multi Input Assignment (FY20 AVR)

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Combine the various audio sources with the same video source

Change Point

1. One HDMI INPUT is assigned by Multi sources.
   -> Fig.2 **red mark**
2. Audio input mode is moved from “Audio menu” to “Input Assign menu” .
   -> Fig.2 **yellow mark**

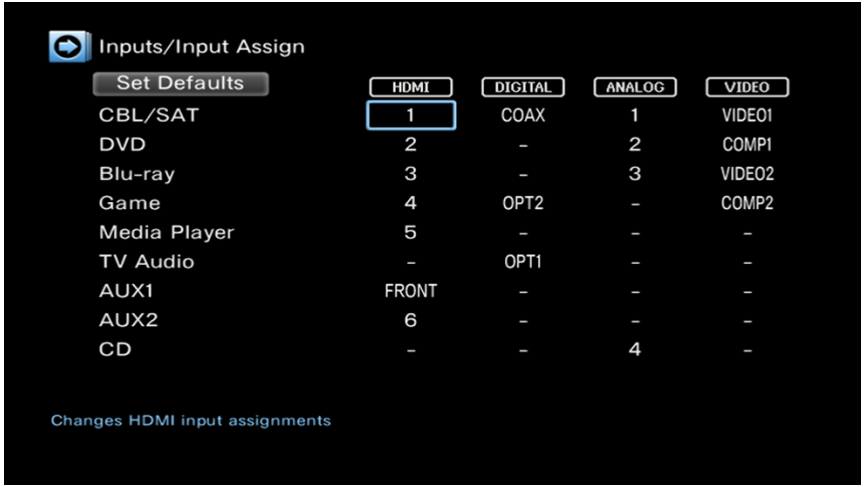

Fig.1 FY19 Model Menu

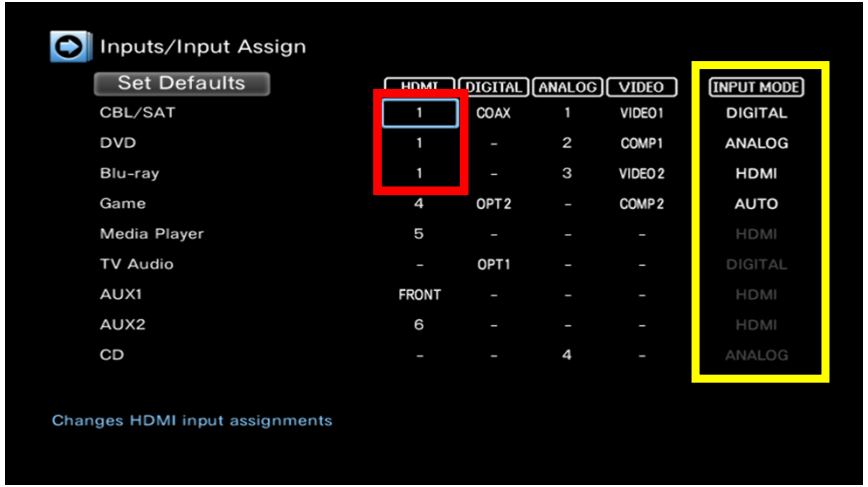

Fig.2 FY20 Model Menu

Web UI

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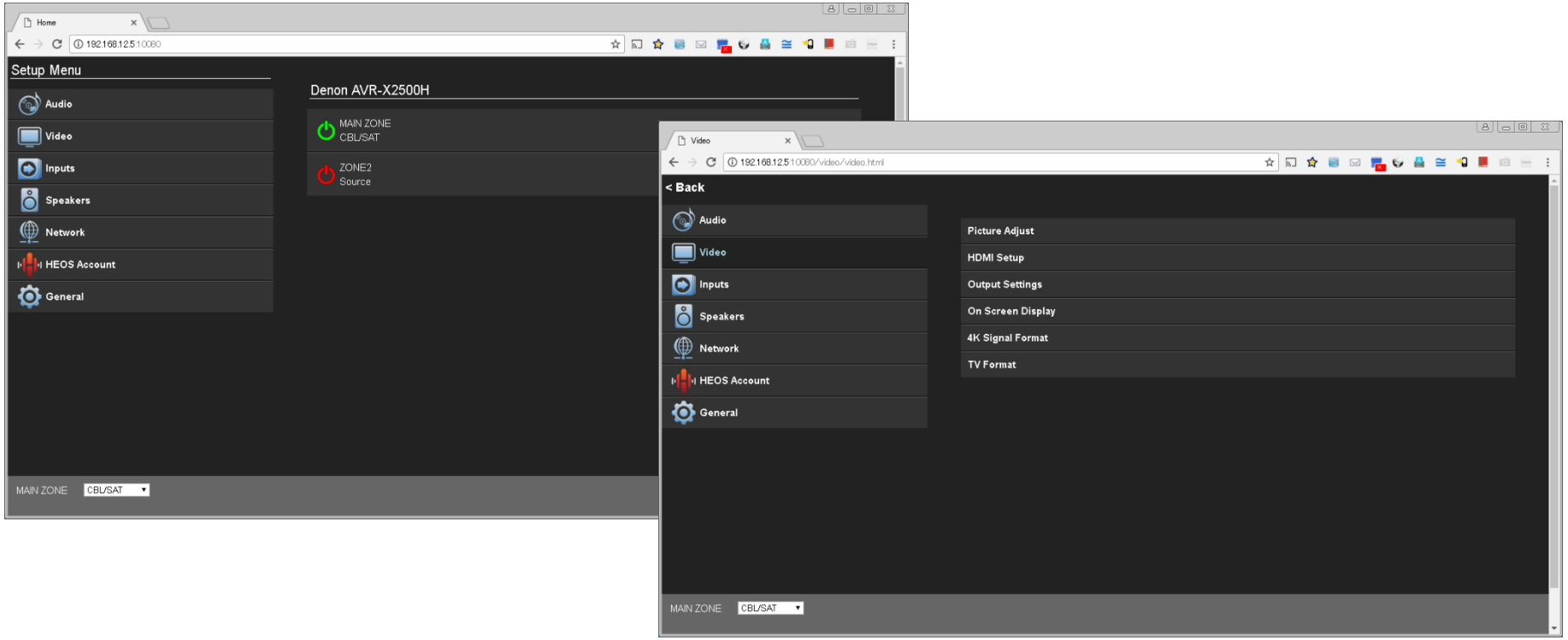
All settings and menus are now available



Web UI

WebUI supported AVRs are as follows.

FY20 model		FY19 model	
Except HEOS Account		Except HEOS Account	
	Marantz		Marantz
	NR1510		NR1509
	NR1710		NR1609
	NR1200		SR5013
	SR5014		SR6013
	SR6014		SR7013
			AV7705

SRM (Smart Remote Management)

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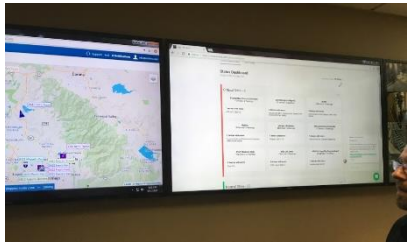
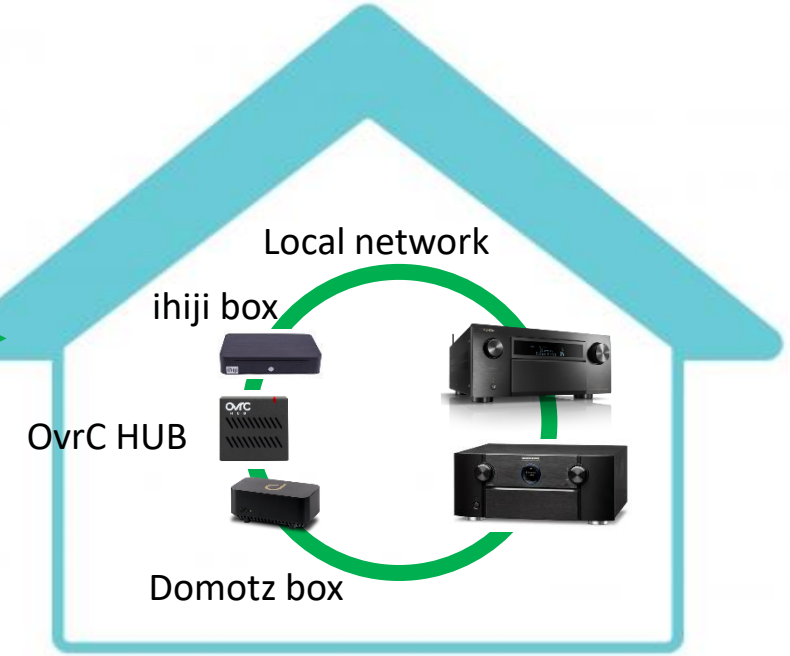
Allows the integrator to assess status and control the AVR remotely

Custom Installer (CI)



Over the Internet



Reduce trips to clients' homes to solve issues

Web Set-up & SRM Work Together

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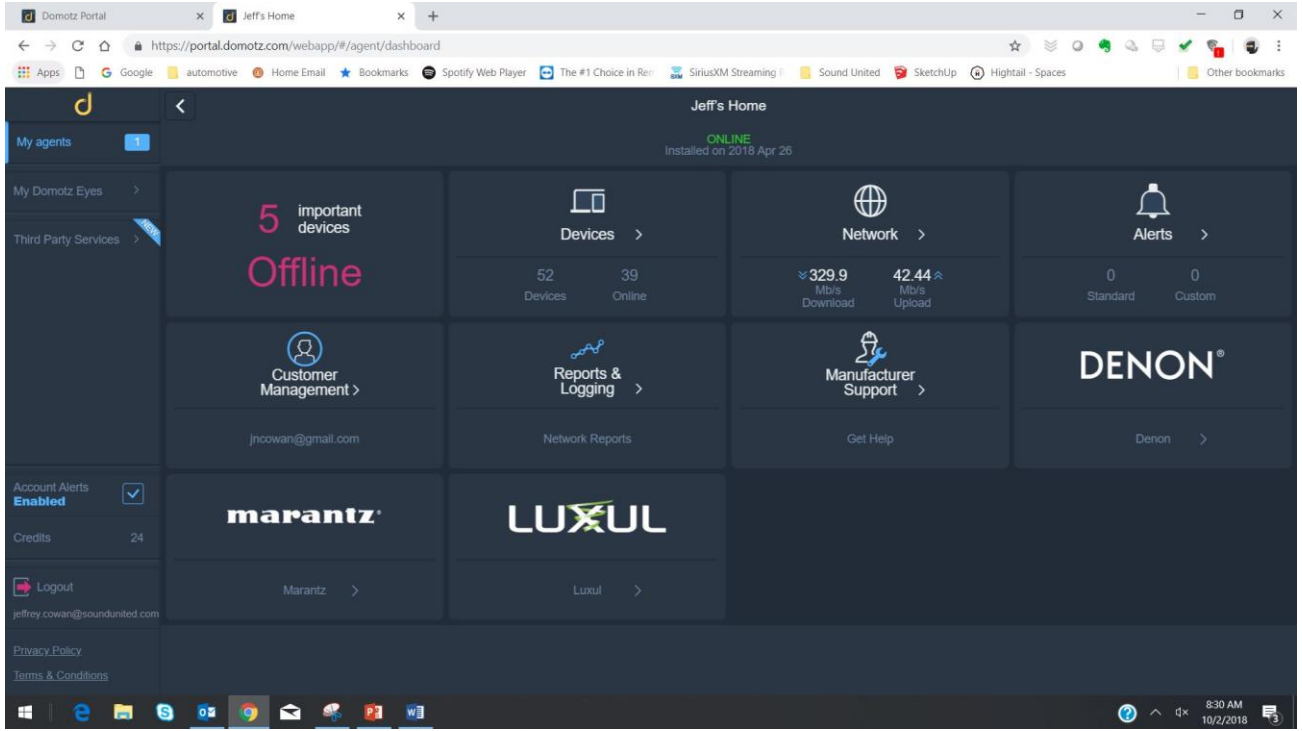

Domotz SRM Home Page

Web Set-up & SRM Work Together

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Access Denon AVR Remotely

My Office is located in San Diego California, which hundreds of miles away

Let's access the network

https://portal.domotz.com/login

Smart Remote Management (SRM)

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SRM supported AVRs

ihiji INVISION domotz OvrC

FY20 model		FY19 model	
3 services will be available when launching		3 services are already available	
	Marantz		Marantz
	NR1510		NR1509
	NR1710		NR1609
	NR1200		SR5013
	SR5014		SR6013
	SR6014		SR7013
			AV7705

Quick Select Buttons

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Designed to make quick setting adjustments more user-friendly

Four buttons to store your preferred audio settings for each source

All Zone Stereo available in Quick Select (FY20 AVR)

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Before: All Zone Stereo was canceled when power ON by Quick select.

Now: All Zone Stereo will be included to list of quick select memorized items

Major memorizing items
Input source
Volume setting
Sound mode
Channel level settings
Picture Adjust settings
Tuner Frequency/Band
All Zone Stereo(FY20 NEW!)

3rd party controller

Front Panel

Remote Control

Protection Mode Notification

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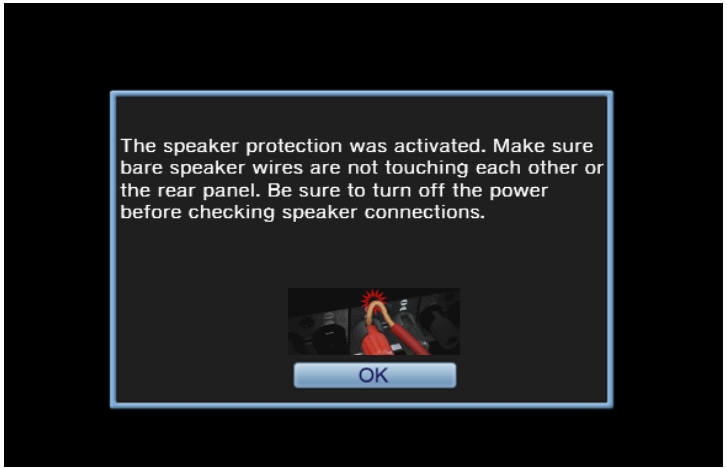
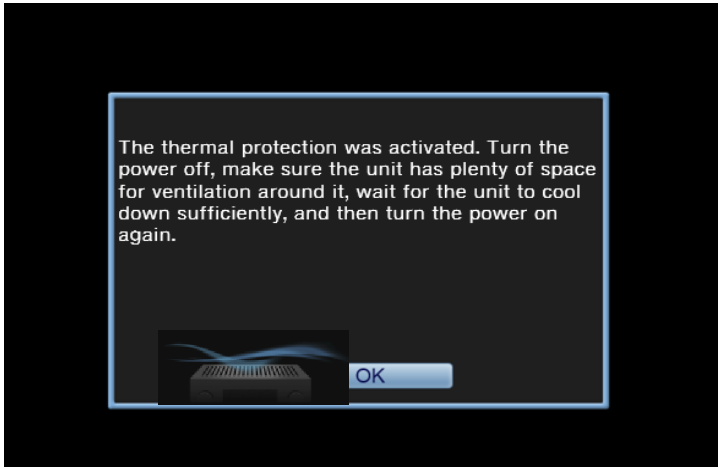
An on-screen notification when AVR goes into protection mode

- Speaker protection mode
- Thermal protection mode





Verify HDMI Cables and correct sync issues

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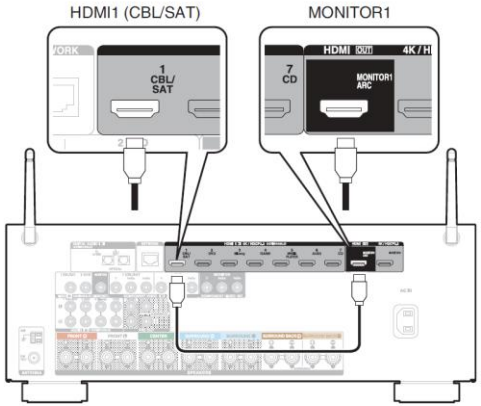
Turn your Marantz AVR into an HDMI diagnostics tool

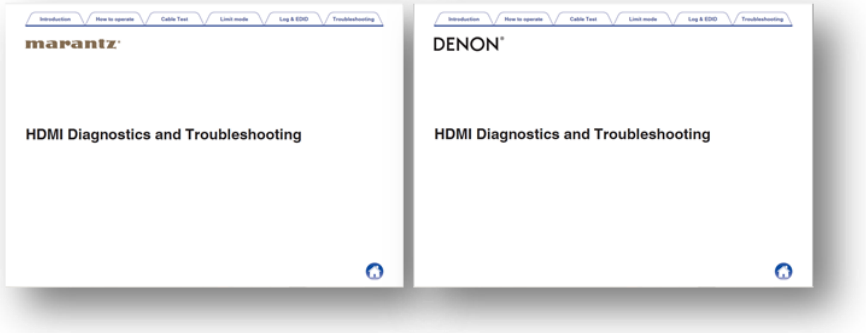
HDMI Diagnostic Tool



Save time and eliminate frustration by testing HDMI solutions pre-install

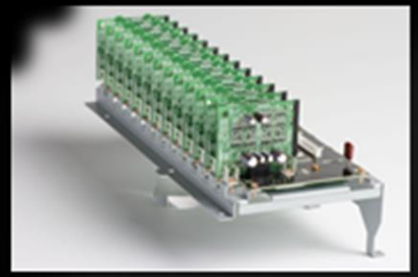
Turn a Denon/Marantz AVR into an HDMI diagnostics tool

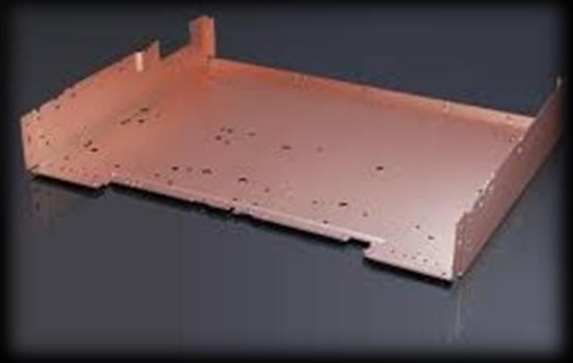
- Identify both audio and video problems
- Confirm integrity of HDMI cables
- Restrict or limit EDID and/or HDCP capability for improved interoperability



Marantz AV Separates

Marantz AV8805





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Why Separates?

Maximized performance

- Separates the noise-producing amps from the noise-sensitive audio/video signal paths
- Pre-Pros usually deliver higher performance than comparable AVRs

Maximized connectivity

- Removing the internal amps and rear binding posts creates space for more connections

Maximized flexibility

- Use the amps you want or already have
- Buy only as many amp channels as you need
- Option to locate amplifiers remotely

Maximized longevity

- Separates heat-producing amps from the heat-sensitive low-level audio/video circuitry
- Only replace the preamplifier/processor when technological advances require it

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AV8805: The Best Got Even Better!

The AV8802A with…

- Improved processing capabilities
- Enhanced content support capabilities
- Improved audio quality
- Improved build quality
- And a path to the next generation of video

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Marantz AV8805

Fun Fact

1890 parts were replaced to improve the sound quality of th AV8802A

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Marantz AV8805

New for 2019/20

Key Features

- 13.2-Channel Processing (Individual HDAMs per channel) 7.1.6 or 9.1.4
- Multi-layered copper chassis and toroidal power supply
- Support for Dolby Atmos, IMAX Enhanced, DTS:X, DTS Virtual:X, and Auro-3D
- 8 HDMI In / 3 Out (HDMI 2.0b, HDCP 2.2)
- HDMI 2.1 upgradeable (HDMI board exchange; price TBD)
- Full set of balanced outputs and two balanced inputs
- eARC via update and Apple AirPlay2
- AKM 32-bit/768kHz DAC (7 x 2-channel DACs)
- Audyssey Platinum (Audyssey MultEQ Editor App)
- Manufactured in our Shirakawa Japan Audio Works

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Marantz AV7705

New for 2019/20

Key Features

- Purpose-built power supply and separate audio and video boards
- *11*.2-Channel processing with HDAMs and balanced outputs
- HEOS built-in and Alexa voice control
- Support for Dolby Atmos, DTS:X, IMAX Enhanced, DTS Virtual:X and Auro-3D
- 8 HDMI In / 3 Out (HDMI 2.0b, HDCP 2.2) with HDR-10, Dolby Vision and HLG
- AKM 32-bit/768kHz DAC with Zones 2 and 3 digital-to-analog audio conversion
- Audyssey Platinum
- Audyssey MultEQ Editor App
- eARC via update and Apple AirPlay2

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AV8805

13.2 channels of processing
- Maximum of 7.1.6 or 9.1.4

Copper-plated, multi-layered chassis
13 individual HDAM boards
Seven, 2-channel 32-bit/768kHz AKM DACs
Shielded, Toroidal power supply
One Balanced input
More legacy audio/video inputs
High density, felt-lined feet
Upgrade path to HDMI 2.1
Manufactured in Shirakawa, Japan Audio Works

AV7705

11.2 channels of processing
- Maximum of 7.1.4

Steel chassis
All HDAMs on one board
Two, 8-channel 32-bit/768kHz AKM DACs
EI core power supply
No balanced input
Less legacy audio/video inputs
Standard, molded feet
No upgrade path to HDMI 2.1
Built in Vietnam

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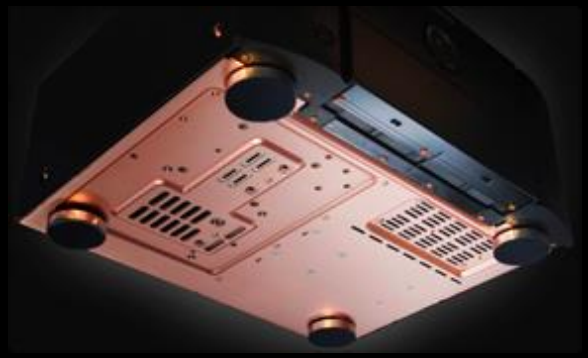
Marantz MM8077 Amplifier

- Power supply features a high current toroidal transformer and high power (71WVDC) filter capacitors with a total 100,000µF capacitance to easily handle sharp transient peaks.
- Copper-plated chassis provides isolation from extraneous noise
- Massive heat sinks large passive cooling area, and a whisper quiet fan that automatically kicks in to provide near silent active cooling when the soundtrack heats up.



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Marantz Amplifiers

MM7025

140 Watts X 2

MM7055

140 Watts X 8

MM8077

150 Watts X 7

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Marantz SR8012

Key Features

- 140 watts x 11 (7.1.4 without external amps)
- Current Feedback and HDAMs
- Individual PC boards for each amp channel
- Copper-plated, multi-layered chassis
- Centrally mounted toroidal power supply with custom block capacitors
- Support for Dolby Atmos, DTS:X, DTS Virtual:X and Auro-3D
- 8 HDMI In / 3 Out (HDMI 2.0b, HDCP 2.2) w/ HDR-10, Dolby Vision & HLG
- AKM 32-bit/768kHz DAC with Zones 2 and 3 digital-to-analog audio conversion
- Audyssey Platinum and MultEQ Editor App
- Apple AirPlay2 via an update, eARC, and phono input
- *Manufactured at Shirakawa, Japan Audio Works*

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Marantz SR7013

Key Features

- 125 watts x 9 (11ch processing; add 2-channel amp for 7.1.4)
- Dolby Atmos and DTS:X 5.1.4 or 7.1.2 without external amplification
- DTS Virtual:X and Auro-3D
- Current Feedback and HDAMs
- 8 HDMI In / 3 Out (All 4K, HDMI 2.0b, 4:4:4, rec.2020. HDCP 2.2) with multi-source Zone 2
- HDMI Diagnostics, web set-up and control, and Smart Remote Management
- AKM 32-bit/768kHz DACs with Zones 2 *and 3* digital-to-analog audio conversion
- Audyssey Platinum and MultEQ Editor App
- Apple AirPlay2 via an update, eARC and a phono input

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SR8012

11 x 140 watts

- 7.1.4 without external amplification

Copper-plated, multi-layered chassis
Centrally mounted, shielded toroidal power supply
Individual amplifier PC boards
More legacy audio/video inputs
Manufactured at Shirakawa, Japan Audio Works

SR7013

9 x 125 watts

- 11ch; need to add amp for 7.1.4

Steel chassis
EI core power supply
All amplifier channels on one PC board
Less legacy audio/video inputs
Built in Vietnam

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SR & NR-Series AVRs

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Marantz NR-Series

SR5014

- 100 watts x 7
- 5.1.2 (Dolby Atmos, DTS:X and DTS Virtual:X)
- 8 HDMI In / 2 Out (HDMI 2.0b, HDCP 2.2)
- Analog video to HDMI up-conversion
- AKM 32-bit/768kHz DAC
- Audyssey Silver and MultEQ Editor App
- Apple Airplay2 via update and phono input

SR6014

- 110 watts x 9 (11ch processing; add a 2-ch amp for 7.1.4)
- 7.1,2 or 5.1.4 (Dolby Atmos, DTS:X and DTS Virtual:X
- 8 HDMI In / 3 Out (HDMI 2.0b, HDCP 2.2)
- Multi-source Zone 2 HDMI
- ISFccc or source-by-source picture quality controls
- Enhanced Zone 2 (Stereo/mono, HPF, tone controls, balance)
- AKM 32-bit/768kHz DACs
- Zone 2 digital-to-analog audio conversion
- Audyssey Platinum and MultEQ Editor App
- eARC
- Apple AirPlay2 via an update and phono input

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Marantz NR Series

- 60 percent of the height of a full-size AVR
- Low profile chassis fits where full-size chassis cannot
- Great solution for small- to medium-size rooms
- Two surround models
  - NR1710
  - NR1510
- **New** stereo model

Marantz NR-Series

NR1510

- HEOS Built-in and Alexa voice control
- 50 watts x 5
- 6 HDMI In (HDMI 2.0b, HDCP 2.2, eARC)
- HDMI Signal Path Sharing
- Phono input
- Bluetooth Headphone Transmission
- Audyssey Bronze and MultEQ Editor App
- Apple Airplay2

NR1710

- HEOS Built-in and Alexa voice control
- 50 watts x 7
- Dolby Atmos, DTS:X 5.1.2 and Virtual:X
- 8 HDMI In / 2 Out (HDMI 2.0b, HDCP 2.2)
- 4K/30fps up-scaling
- Analog video to HDMI up-conversion
- Enhanced setup assistant
- HDMI Signal Path Sharing
- Phono Input
- Bluetooth Headphone Transmission
- Audyssey Bronze and MultEQ Editor App
- Apple AirPlay2

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NR-1200 (**New** Stereo Receiver)

Key Features:

- 75W x 2-channel at 8ohm
- 3x Tone/Control knobs on the front panel
- HEOS built-in with upgraded functionalities including BT headphones, AirPlay 2
- 5 HDMI inputs/1 output (same as AVR-S650H)
- High-grade binding post speaker terminals with A+B speaker select
- Gold-plated connectors
- Added CI functionalities such as zone 2 preout, detachable AC cord, remote input

Marantz Integrated Amplifiers

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PM-10

200W + 200W (8ohm)
400W + 400W (4ohm)

PM-KI Ruby

100W + 100W (8ohm)
200W + 200W (4ohm)

PM8006

70W + 70W (8 ohm)

What Is Power Amp Direct?

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- Increase the performance and versatility of an AVR-based system
- With a button press, an integrated amp connected to the AVRs front preamp outputs becomes the amp for the main channels
    - **Dedicated power supply**
    - **Improved build and sound quality**
- For best possible sound quality, all music sources are connected directly to the integrated amplifier
    - **Shorter signal paths**
    - **No unnecessary processing**

What Is Power Amp Direct?

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Surrounds

Center

Mains

What Is Power Amp Direct?

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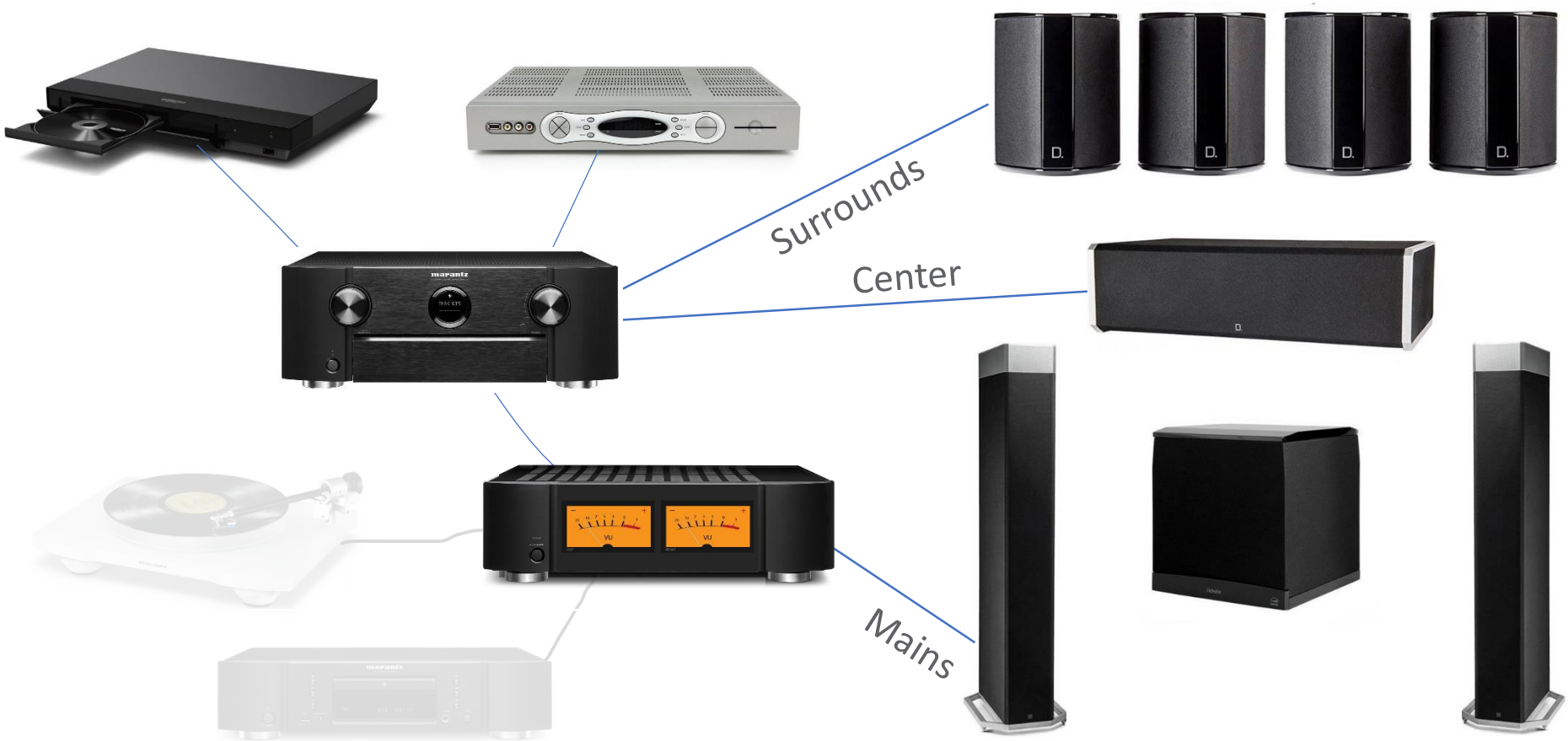
Surrounds

Center

Mains

What Is Power Amp Direct?



What Is Power Amp Direct?

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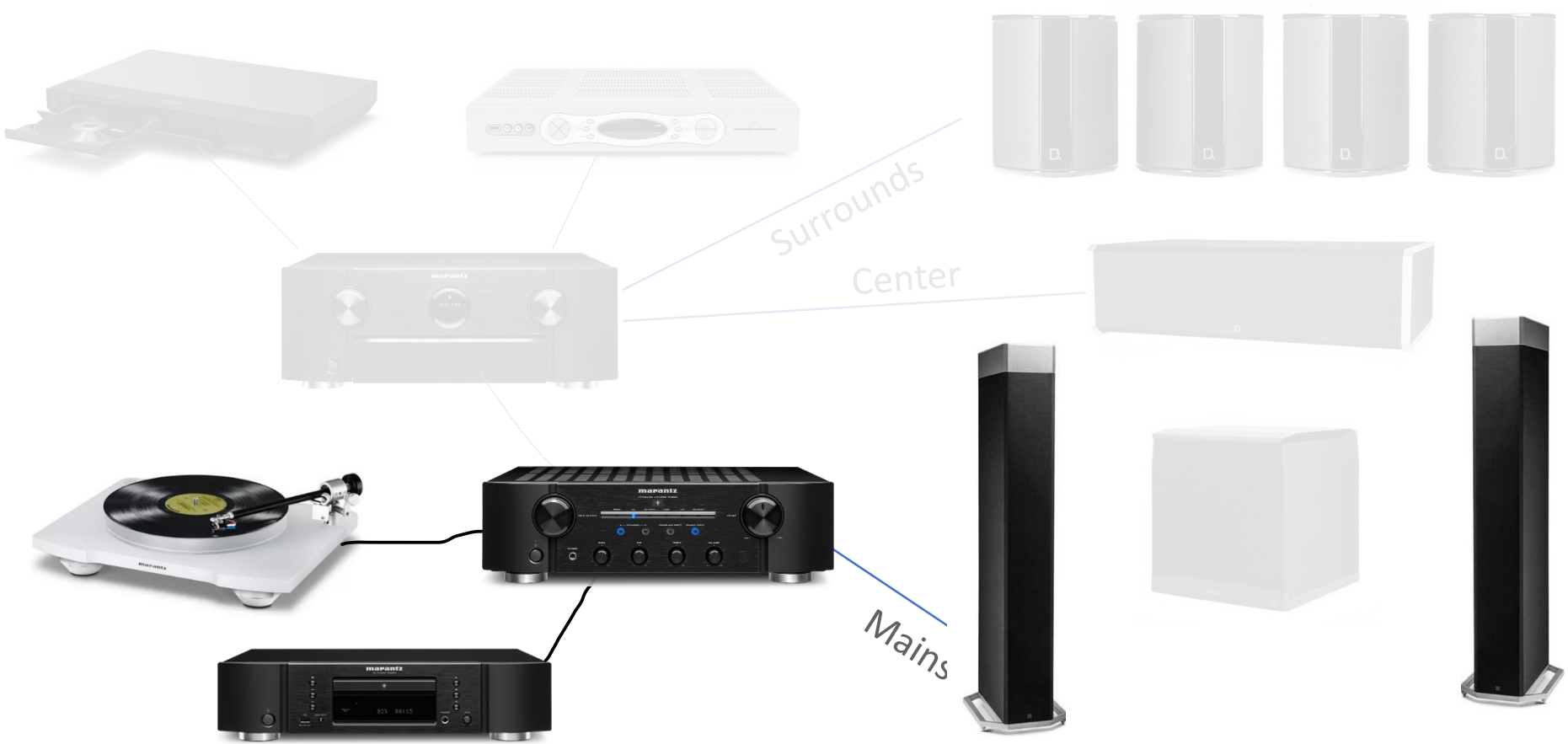

Premium Marantz AVRs for 2019

SR8012	SR7013
AUDYSSEY Platinum Built-in	
Custom Block Capacitors	5-Channel Bi-amp Mode
Centrally-mounted Toroidal Power Supply	
Copper-plated, Multi-layered Chassis	
Individual PBC's for each Amplifier Channel	
Built in Shirakawa, Japan Audio Works	
Zone 2 Component Video Outputs	3 Component Video Inputs	Alexa, Google and Siri Voice Control
11-Channel Processor (7.1.4 with external amplification for 7013)	Crestron Connected	C4 with SDDP
Audyssey MultEQ XT32, SubEQ HT, & LFC	Works with Audyssey MultEQ Editor App	Dual 12-volt Triggers
3 Audio Zones	D-to-A Audio Conversion for Zone 2 & 3	Bass Sync	eARC (Dolby Atmos & DTS:X)
Multi-source/Multi-zone HDMI Output	Aluminum Front Panel with Flip-Down Door & Hidden Two-Line Display
Enhanced Multi-Zone (High Pass Filter, Tone, Balance, Mono/Stereo)	RS-232C Port	32-bit/768kHz AKM DAC
Full Preamplifier Inputs & Outputs	Smart Remote Management	Web Set-up & Control	RC-5 In & Out
Dual, Assignable 12v Triggers	4 Smart Selects	Apple AirPlay2	IR Input	Enhanced Power Amp Assign
HEOS Built-In	Dolby Atmos & Surround	DTS:X, Neural:X & Virtual:X	Auro-3D & Auro-Matic	IMAX Enhanced
HDAM's & Current Feedback	4K Ultra HD 60fps Pass-through & Scaling on all Inputs	Upgraded Phono Input
HDMI 2.0b w/ HDCP 2.2: 7 Rear, 1 Front Inputs/3 Outputs	HDR-10, Dolby Vision, HLG, Rec2020
140 watts x 11 @ <.05%	125 watts x 9 @ <.05%

New Marantz SR AVRs for 2019-2020

New for this Year

AUDYSSEY Platinum Built-in

SR6014

- Crestron Connected
- IMAX Enhanced
- 60fps Scaling
- D-to-A Audio Conversion to Zone 2
- 11-Channel Processor (7.1.4 with external amp)
- Audyssey MultEQ XT32, SubEQ HT & LFC
- Multi-source/Multi-zone HDMI Output
- Full Preamp Inputs
- Enhanced Multi-Zone (HPF, Tone, Balance, Mono)
- Aluminum Front Panel w/ Flip-Down Door

AUDYSSEY Silver Built-in

SR5014

- MultEQ XT
- BT Transmission (Via Update)
- HDMI Signal Path Sharing
- RS-232C
- Defeatable Apple AirPlay 2
- Full Preamplifier Outputs
- C4 with SDDP
- eARC
- Web Set-up & Control
- Alexa, Google & Siri Voice Control
- HEOS Built-In
- 12v Trigger
- RC-5
- 4 Smart Selects with All Zone Stereo Option
- Enhanced Power Amp Assign
- Dolby Atmos & Surround
- DTS:X, Neural:X & Virtual:X
- 32-bit/768kHz AKM DACs
- Phono Input
- Smart Remote Management
- 4K Ultra HD 30fps Scaling
- HDAM's & Current Feedback
- Analog Video to HDMI
- HDMI 2.0b w/ HDCP 2.2: 7 Rear, 1 Front Inputs/2 Parallel Outs
- HDR-10, Dolby Vision, HLG, Rec2020
- 110 watts x 9 @ <.08%
- 100 watts x 7 @ <.08%

Marantz NR Series AV Receivers for 2019-2020

AUDYSSEY *Bronze Built-in*

NR1710						
Zone 2 Variable Pre-Outs	ISFccc	12v Trigger				
4K/30fps Scaling	Enhanced Set-up Assistant					
Component Video Inputs/Output (No Up-Conversion)						
Power Amp Assign	Multi-Source/Multi-Zone					
Dolby Atmos & Surround	DTS:X, Neural:X, Virtual:X					
7 Rear/1 Front HDMI	Audyssey MultEQ Editor App					
HDMI 2.0b & HDCP 2.2	HDR-10, Dolby Vision, HLG, 4:4:4 color & Rec.2020					Web Set-up & Control
Defeatable Apple AirPlay 2	eARC	BT Headphone Transmission				Alexa, Google and Siri Voice Control
Video Select for HDMI	Smart Remote Management		HDMI Diagnostics			32-bit/768kHz AKM DAC
Audyssey MultEQ, Dynamic Volume & EQ		HDMI Signal Path Sharing		Setup Assistant		4 Smart Selects
Low-profile Chassis	Phono Input	Full Hi-Res Audio Support		2.1 Pre-Outs		3-Year Warranty
HEOS Built-In	Dolby TrueHD & Digital+	DTS HD Master Audio	Pure Direct	RC-5 In & Out		IR Input
High Current, Equal Power, Discrete, Class A/B Amplifiers with Low Impedance Drive Capability						
50 Watts x 7 @ 8 ohms/20Hz-20kHz @ .08% THD						

New for this Year

NR1510						
5 Rear/1 Front HDMI Inputs						

50 Watts x 5 @ 8 ohms/20Hz-20kHz @ .08% THD						

SOUND UNITED

Questions?

DENON® marantz® CLASSE HEOS®

Boston acoustics® D. DEFINITIVE TECHNOLOGY® polk