



Q & A about NAD's New Audio Video Receivers

Video Processing

Q. Will NAD's new AVRs pass 1080p signals?

A. Yes, all models will pass 1080p video via HDMI.

Q. Do all models include format cross-conversion for analog video (Composite/CVBS, S-Video, and Component/YPrPb)?

A. Yes, all models include format conversion, permitting a 'one-wire' analog video connection.

Q. Which models allow analog video over HDMI?

A. The two top AVRs, T785 and T775 and the T175 PrePro.

Q. Besides video format conversion, do these models also include scaling of analog video to 720 and 1080?

A. No, the output resolution tracks the input resolution.

Q. Why not include scaling of analog video?

A. In a word, quality. Other AVR manufacturers are employing scaling chips originally designed for the noise-free digital signal of a DVD player. Unfortunately, the chip cannot discriminate between noise of an analog signal and the signal itself. Because of the way these scaling chip process the signal the noise gets amplified making a mess of the picture. The scaled analog video signal often looks WORSE than the original analog signal!

Q. What about scaling for digital video then?

A. Most digital video source components and digital video displays include scaling chips already. Adding another scaling chip just adds cost and can actually hurt picture quality if the image is scaled and then rescaled again and again.

Q. What version of HDMI do these new receivers use?

A. We are using the latest V1.3 version HDMI devices. But the HDMI version does not mean all possible features are supported.



Audio Processing

Q. *Do the stereo inputs include bass management?*

A. Yes, with the exception of the 'Analog Bypass' mode and the 7.1 Input which do not.

Q. *Can I have different bass management settings for different inputs?*

A. Yes. Using the AV Preset feature you can have up to 5 different bass management settings associated with specific inputs.

Q. *With an HDMI source, do I need to still connect a digital audio cable?*

A. Yes for the T765 and T755 (you may need to adjust the source components audio output to 'SPDIF'). The T775, T785 and T175 on the other hand can take the audio signal from the HDMI cable.

Q. *Isn't the audio quality better over HDMI?*

A. In fact it is better over COAX SPDIF. Why? Because the audio of HDMI is multiplexed onto the video frames the recovered clock is not as clean as when using a separate COAX digital cable running the native sample rate.

Q. *What about Dolby TrueHD and DTS HD. How are these handled?*

A. For the T775, T785 and T175 the decoded HD audio signal is sent over HDMI, up to 8 channels of LPCM, allowing full bass management and room correction processing of the HD signal.

OSD

Q. *Will the AVR's OSD appear on HDMI allowing a 'one cable' video solution?*

A. Yes and no. The T785 and T775 and the T175 PrePro insert the OSD at all video resolutions over HDMI. The T765 and T755 only output the OSD via the analog video outputs, there is no OSD on HDMI. But since the OSD is really only needed for setup, it may not be worth the extra cost of adding this feature – it's your choice.



Audyssey

Q. Will Audyssey work in any size room?

A. Yes, but it is optimized for 1,500 – 3,000 cubic foot rooms. Larger or smaller rooms may cause some unexpected readings.

Q. During the setup process I get a message “check type”. What does this mean?

A. This means the Audyssey program is getting an unexpected response from the speaker – either too much high frequency from a subwoofer or not enough high frequency from a satellite speaker. Check to be sure there is nothing in the path between the microphone and the speaker, and that the correct speaker type is connected to each of the different channels (ie. that the subwoofer is not connected to any full-range channel).

Q. During the setup process I get a message, “check phase”. What does this mean?

A. This means that you should check to be sure that the speakers are wired in the correct polarity – it doesn't mean they are NOT correct – only that the program has detected a strong anti-phase component to the measurement. This can also be caused by a strong standing wave in the room – especially on the sub channel – or it may be an anti-phase component in the off-axis response of your speaker.

Q. For MultEQ XT equipped products, how many microphone measuring positions are necessary?

A. The more positions you measure the more accurate the correction will be. You should measure all 8 positions possible (minimum is 3), even if some are fairly close together in the listening area.

Q. Can Audyssey MultEQ XT room correction compensate for poor speaker performance?

A. No, MutEQ XT is not intended as a band-aid for a poorly performing speaker, but rather as a way to control the acoustic reflections (room modes) present in domestic sized listening rooms. The better the system and speaker placement to begin with, the better the end result will be.

Power Ratings

Q. NAD specifies FDP and FTC power ratings. What is the difference?

A. FTC (USA Federal Trade Commission) is for comparison purposes – it is what most other manufacturers use. We also quote NAD Full Disclosure Power (FDP) to allow the more technical user to fully understand our superior amplifier performance. FTC rating gives a bigger ‘more impressive’ number, but it isn't a high fidelity spec, and doesn't begin to tell the whole story. FDP is far more rigorous and can be directly compared with the ratings given to most high fidelity stereo amplifiers.



Multi-Zone

Q. *Can I listen to digital sources in Zone 2, 3 and 4?*

A. Yes, both analog and digital sources are available in all Zones. For analog sources, zones can select any source. However for digital sources, if either the Main Zone or a lower numbered Zone is on, higher numbered zones will be set to the same input as the lowest Zone number (with the Main Zone being the lowest).

Q. *Is video available in all Zones?*

A. Video is available in Zone 2, but Zones 3 and 4 are audio only.

Q. *Are there different IR codes for each Zone?*

A. Yes. The supplied ZR 3 includes commands for Zone 2, and Zone 3 and 4 commands are included in the code library of the HTRC or HTR 3 included with the Receiver.

Remote Controls

Q. *What is the difference between the HTR 2 and the HTR 3?*

A. There are some different labels for some buttons to coincide with the new features of the NAD AVR's and also updated IR libraries. The functionality and ease of use are otherwise the same.

Q. *What is the HTRC 1 and how is it better than the HTR 3?*

A. The HTRC 1 is based on the remote NAD developed for its Masters Series M15 AV Processor. It includes an LCD screen and offers extended battery life compared to the HTR 3. It also includes a USB port for simplified programming via a PC.



AV Presets

Q. *What is an AV Preset?*

A. It is a very powerful tool for customizing the listening experience of your NAD Receiver. If you would, for example, like to have different bass management settings for your music (CD Player) and your movies (DVD Player) this is easily accomplished using AV Presets. Just save them for instant recall using 2 button presses on the remote, or associate the settings to an input so the settings are automatically recalled every time the associated input is selected.

Q. *What parameters can be saved to an AV Preset?*

A. All speaker settings (bass management), Tone Control settings, desired Surround Mode, DSP Options (Audyssey Target Response, Lip Sync Delay), and VFD display settings.

Q. *How will I remember which AV Preset does what?*

A. The AV Presets can be given names of your choosing, like 'Action Movie', 'Max Bass', 'Late Night', etc.

NAD IPD 1 Dock for iPod

Q. *Using the optional NAD IPD 1 Dock, can I control the iPod with my NAD remote?*

A. Yes, music is browsed similarly to the iPod itself. Once you have selected which music to play you can access pause, fast forward, rewind, next track, and previous track functions via the remote control.

Q. *Using the optional NAD IPD 1 Dock, can I both see and browse the iPod music on my TV?*

A. Yes, menus similar to the iPod menus are shown on the AVR's OSD. It can be browsed via the cursor keys on the remote control.

Q. *Does the NAD IPD 1 Dock support remote control of Video?*

A. No, at this time only Audio can be controlled via the OSD menus and remote control. To get video output the user must select the iPod source and manually select the video/pictures they wish to see via the iPod buttons (make sure the video output is turned on in the iPod settings menu).

Q. *Do I have to have the TV turned on to navigate my iPod menus?*

A. The front panel display also shows the iPod menu but in a condensed manor (only 2 lines at a time) so the TV is recommended.

Q. *Is it easy to browse through large music collections?*

A. Yes, in addition to having the music organized, as the iPod does, by Artist, Album, Genre, etc., large lists can either be scrolled one item at a time or by page. Scrolling by page will also accelerate over time. This makes browsing large music collection much more manageable.