

T 747 AV Receiver



> POSITIONING

NAD has an enviable reputation for delivering superb value for money, especially when performance is a priority. **The T 747 will further enhance this reputation by offering the very latest high definition features and performance at a very competitive price.** Though not offering quite the degree of customization of our higher priced Modular Design Construction AVR's, the T 747 features the same remarkable flexibility of NAD's highly refined User Interface. And unlike other brands that inflate their power ratings to impress the unwary, NAD offers Full Disclosure Power ratings that clearly spell out the capabilities of our products under real world conditions.

> FEATURES

- 7 X 60 watts Simultaneous Full Disclosure Power
- 7 X 120 watts Minimum Continuous Power (FTC)
- Auto Setup and Calibration of speaker settings with supplied microphone
- Data Port for use with optional NAD Dock for iPod
- Dolby TrueHD and DTS HD Master Audio lossless decoding
- Dolby Digital Plus, ProLogic IIx, DTS HD High Resolution Audio, Digital Surround 96/24, Neo:6
- EARS surround, Enhanced Stereo, Dolby Virtual
- 5 Custom AV Presets allow instant recall of unique speaker settings, listening mode, and tone settings
- AM/FM Tuner with 60 Presets (30 AM and 30 FM presets)
- Optional DAB (230V) or XM (120V) Tuner Modules
- 4 HDMI Inputs with Repeater Function
- Analogue Video Inputs are converted to digital HDMI Output
- SD signals are converted to HD up to 1080p with onboard Faroudja DCDi Processing
- 6 Analogue Audio Inputs, plus 7.1 analogue input
- 2 Optical and 2 Coax Digital Audio Inputs
- 4 Analogue Video (S-Video and Composite) and 3 Component Video inputs
- Front Panel Inputs for games, cameras, etc. include S-Video and Composite Video, Analogue Audio, Optical Digital Audio
- 2 Digital Outputs; 1 Optical, 1 Coax
- Zone 2 AV Output with independent Source and Volume setting
- 2 IR Inputs, 1 IR Output
- RS-232 port interface to advanced control systems
- 12V Trigger Out
- AVR 3 Remote; 4 Device Control with NAD code library
- ZR 5 Second Zone Remote

> DETAILS

Performance

Don't be fooled by the big power ratings of some very low priced products. All power is not the same! In fact, the quality of power is far more important than the quantity of power when it comes to the realism of your Home Theatre. The amplifier section is more important than ever with the new HD audio formats.

The T 747 has all the performance required to fill an average sized room to satisfyingly realistic sound levels without the harsh and muddled sound so common among lesser AVRs. All seven channels offer the same high performance using high current discrete output devices.

Video quality is also top notch, whether your source is analogue Component Video or the newest HDMI digital format. The onboard video processing engine is capable of adjusting older formats to fit your new HD TV set adding enjoyment to your existing library of DVDs.

Digital audio processing is handled by the latest generation of 32bit DSPs and precision Analogue-to-Digital and Digital-to-Analogue converters. Specific audio quality components are used throughout the signal path.

continued>



> DETAILS

Features

The T 747 has everything needed to form the centrepiece of your HD Home Theatre. Featuring HDMI repeating (this is where the audio is stripped off the HDMI signal and the video is automatically passed along or repeated to the TV) with full support for up to 1080p signals from HD set top boxes and Blu-ray Players. Older analogue video formats are not forgotten and can even be 'upscaled' to HD format utilizing award winning Faroudja DCDi technology and then sent on to your HDMI equipped HDTV. All setup is done via the comprehensive On Screen Display.

The newest lossless audio CODECs from Dolby and DTS are also decoded on board the T 747 when sent via HDMI from your Blu-ray player. Even discs that do not offer a TrueHD soundtrack will benefit from the higher bit rates and discrete 7.1 channels supported by Dolby Digital Plus. Speaker setup is highly accurate yet easy using the Auto Calibration function. This uses a special microphone that is placed in the viewing/listening area of the room to

'listen' to a special test tone that adjusts your system for perfectly balanced surround sound performance. High quality AM and FM tuners are included and offer up to 30 AM and 30 FM station presets. Additionally, the T 747 offers XM Ready (120V) or DAB Ready (230V) sockets that allow a clear upgrade path to these new digital broadcast offerings.

Just add the NAD DB 1 adaptor (or XM adaptor) and the T 747 uses its display, remote, and its superb digital processing to get the most from these exciting new formats.

iPod enthusiasts will also be happy to find support for NAD's optional IPD 1 and IPD 2 Docks for iPod. This allows audio, video and pictures stored on your iPod to be played directly on your NAD Home Theatre.

A second independent AV zone is offered along with all the necessary connections for integrating

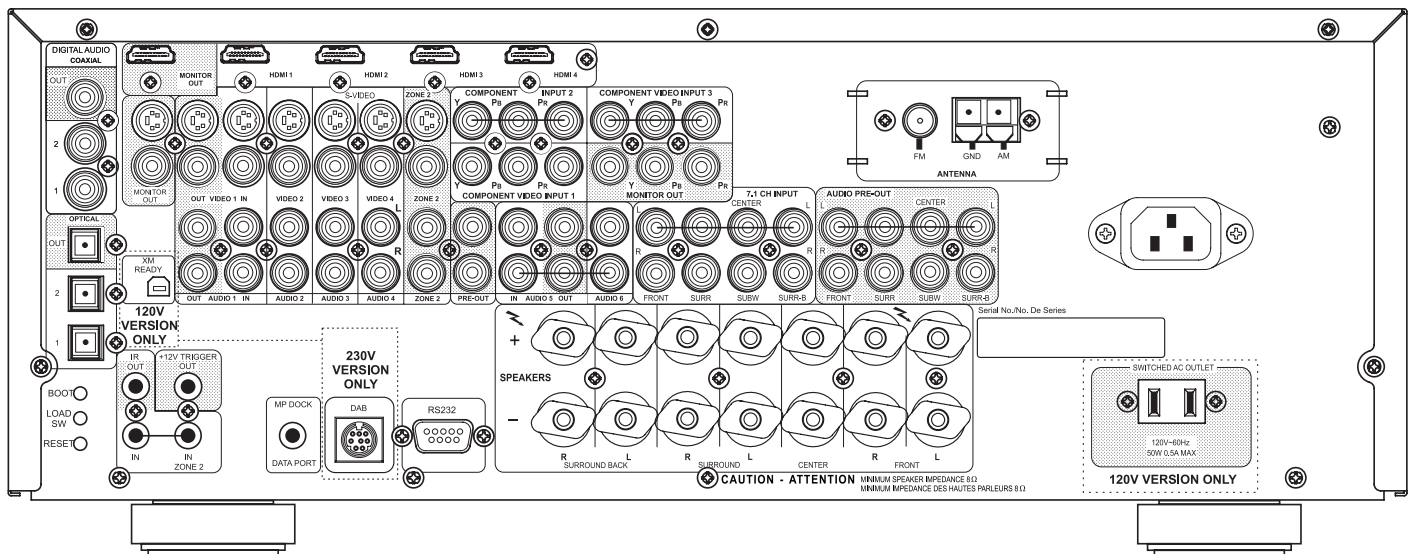
the T 747 with advanced control systems. There are even 2 remotes, one for the primary listening zone and one for the remote zone. The main remote also controls other NAD components for simplified system control.

In keeping with NAD's latest green initiative, there are no heavy metals or hazardous chemicals used in the manufacture of the T 747.

Value

When you see the superb build quality and note the advanced feature list and performance specifications of the T 747, you will immediately see why we are so proud of our accomplishment. Costing no more than 'ordinary' AV Receivers, the NAD T 747 is a clear step up in performance and value. Experience one at your NAD Dealer today!

> REAR LINE DRAWING



> SPECIFICATIONS

Amplifier Section

Power output, Stereo Mode	2 x 110W (ref. 0.08% THD, 8Ω)
IHF dynamic power	8Ω 2 x 140W
	4Ω 2 x 200W
Power output Surround Mode	7 x 60W
Total harmonic distortion at rated power	0.08%
IM distortion at rated power	0.08%
Damping factor,	8Ω >60
Input sensitivity and impedance	300mV / 47kΩ
Frequency response	±0.5dB (ref. 20Hz - 20kHz)
Signal/noise ratio, A-weighted	>100dB (ref. rated power 8Ω) >90dB (ref. 1W 8Ω)

Tuner Section

AM Band

Tuning range	522kHz - 1620kHz (9kHz steps, 230V version only) 530kHz - 1710kHz (10kHz steps, 120V version only)
Usable sensitivity	60dBμ
Signal/noise ratio	40dB
Total Harmonic Distortion	1.5%

FM BAND

Tuning range	87.5MHz – 108MHz
Usable sensitivity, Mono	10dBμ
Signal/noise ratio, Mono	70dB
Signal/noise ratio, Stereo	65dB
Total Harmonic Distortion, Mono	0.3%
Total Harmonic Distortion, Stereo	0.5%
Channel Separation	40dB
RDS decode sensitivity	0.2%

Power Consumption

Idle power	60W
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Physical Specifications

Dimensions (W x H x D)

Gross	435 x 167 x 394mm 17 1/8" x 6 9/16" x 15 1/2"
Shipping	555 x 266 x 465mm 21 7/8" x 10 1/2" x 18"
Net weight	13.3 kg (29.32 lbs)
Shipping weight	16.2 kg (35.7 lbs)

* Gross dimensions include volume knob / speaker terminals / connectors / feet. Note: Installers should allow a minimum clearance of 2- 4 inches for wire/cable management.

