

- 6 x 100W Simultaneous Minimum Continuous Power into 4 / 8 ohms
- 210W, 300W, 370W IHF Dynamic Power into 8, 4 and 2 ohms, respectively
- PowerDrive™
- High Current Holmgren™ Toroidal Power Transformer
- Dolby Digital, Dolby Digital EX, ProLogic II, DTS, DTS ES, DTS NEO:6, Matrix 7.1, EARS and Enhanced Stereo
- HDCD®
- Stereo Bypass
- 5 A/V Custom Presets store unique speaker level and tone control settings
- Direct access speaker level adjustment for surround, center and subwoofer
- 6 A/V Inputs all S-Video and Composite, 2 full tape loops
- Component Video, 3 Inputs and 1 Output, HDTV Compatible
- 3 Audio Inputs, 1 Tape Loop
- 6 Digital Inputs, 4 Coaxial, 2 TOS Link freely assignable
- 2 Digital Outputs, 1 Coaxial, 1 TOS Link
- 7.1 Analogue Input (for DVD-Audio)
- Speaker A + B switching (Speakers B stereo only)
- Multi-Source 2nd zone A/V pre-out with independent source and volume
- ZR-2 Second Zone Remote included, discrete codes for independent zone
- 2 x IR Outputs, One IR input
- RS-232 port interface for advanced control systems
- 3 x 12V Trigger Outputs, 12V Trigger Input
- IEC Detachable Power Cable
- Preamp Outputs for all 7.1 channels (2 Subwoofers)
- Amplifier Input for 6 Power Amps
- DS FM/AM Tuner with 30 direct access presets
- NAD Soft Clipping™
- HTR-2 - 8 Device Illuminated Learning Remote with Macro function

The NAD T 763 is heir to many generations of award winning NAD designs. This exceptional pedigree is evident in both the look and the feel of the T 763, and it is unmistakable the moment you listen. Based on the highly successful T 762, the T 763 boasts detail improvements in virtually every area of the receiver, for a cumulative effect that is fully deserving of the new model number. Starting with a revised heat management system that reduces internal operating temperatures even under the most severe operating conditions, along with a new volume control circuit and input switching circuit to further reduce noise and distortion. Operating software is now upgradable via the RS-232 port for an added degree of "future proof" operation.

Performance

Today's advanced Surround Sound receivers require quality in both the digital decoding stages and the analogue amplifying stages for the best overall performance. The T 763 is an excellent example of the NAD Design Team's expertise in both areas.

Using the latest high speed DSP technology, NAD was able to include the newest surround formats from Dolby and DTS, as well as including NAD's own highly regarded music surround mode, the EARS (Enhanced Ambient Recovery Circuit) circuit. Unlike the typical artificially enhanced DSP modes like "Club", "Stadium", and "Church", EARS uses DSP technology to extract the natural ambience to create surround sound from any 2 channel source inducing a warm natural reverberant effect without the artificial "BOING". Surround processing is automatically detected via the digital inputs of the T 763, and the "highest" or most advanced form of decoding is switched in. Conversion of the decoded digital bitstream is performed with high resolution and extremely linear D/A Converters carefully selected for their performance capabilities.

NAD's reputation for producing power amplifiers that are both potent and musical is upheld in fine manner with the T 763. Boasting a minimum of 100 watts continuous power per channel, the T 763 can fill even large rooms to lifelike sound levels. With a huge toroidal power transformer and separate rectification and smoothing capacitors for the front and surround channels, the T 763 can easily meet its power spec with all channels operating simultaneously. NAD's exclusive PowerDrive amplifier technology automatically adjusts the power supply settings of the amplifier to the needs of the loudspeaker. This ensures remarkably dynamic and distortion-free performance with any type of loudspeaker, even demanding 4 ohm designs. Many less advanced receivers resort to performance robbing protection resistors to allow the use of 4 ohm speakers. With PowerDrive, the performance is always optimized for the actual operating condition and as a result the amplifier exhibits very low distortion and good current drive in the real world.

Credit for the sound of NAD's components rests squarely with our unique design approach and our experienced and very talented design team. Most companies design their products to a technical specification and a price point. While this sounds logical enough, it does not address the way the product will actually be used by the eventual owner. You don't listen to specifications, you listen to music and sound. While NAD products exhibit excellent technical measurements, we have relied on our own ears and listening experience to determine the final design of our products. Because of our unique design approach, NAD's sound is simply more "real" sounding, adding enjoyment and excitement to your favourite films and music recordings.

Flexibility

The T 763 has all the flexibility required to serve as the command center for even the most sophisticated Home Theatre systems. A full suite of video switching caters to all the popular video formats (Component Video, S-Video, and Composite Video). Digital inputs and outputs are available in both coaxial and optical formats to make it easy to attach all your digital sources for playback and recording.

With the T 763, NAD has made it easy to add more speakers for listening to music in additional rooms or "zones". A second pair of speakers can simply be added to the front channel amplifiers and switched on or off from the remote control or front panel switch. More elaborate systems can also be created using the Multi-Source output to add additional amplifiers and speakers with the added benefit of independent source selection and volume control. A separate second zone remote is included. There are also 12 volt triggers to automatically switch remote zone amplifiers on and off, and even an RS-232 data port for connection to highly advanced automated control systems. Thoughtful features like discrete On and Off codes, direct access to inputs and FM station presets facilitates the integration of the T 763 into elaborate remote control systems.

An analogue 7.1 input is also provided for attaching a DVD-Audio player or any other yet to be developed surround decoder, making sure the T 763 does not become obsolete anytime soon. Preamp

outputs and main amp inputs, a long standing NAD feature, allow the addition of more powerful amplifier channels and/or the reconfiguring of amplifier channels. (for example adding a more powerful external amplifier to the front channels, and using the onboard front channel amp or back surround channels amps to power a second music zone from the Multi-Source output.)

Luxurious Simplicity

All the capability and flexibility in the world is quite useless if the receiver becomes too complicated to be operated by every member of the family. NAD has taken special measures to make operation of the T 763 as logical and straightforward as possible.

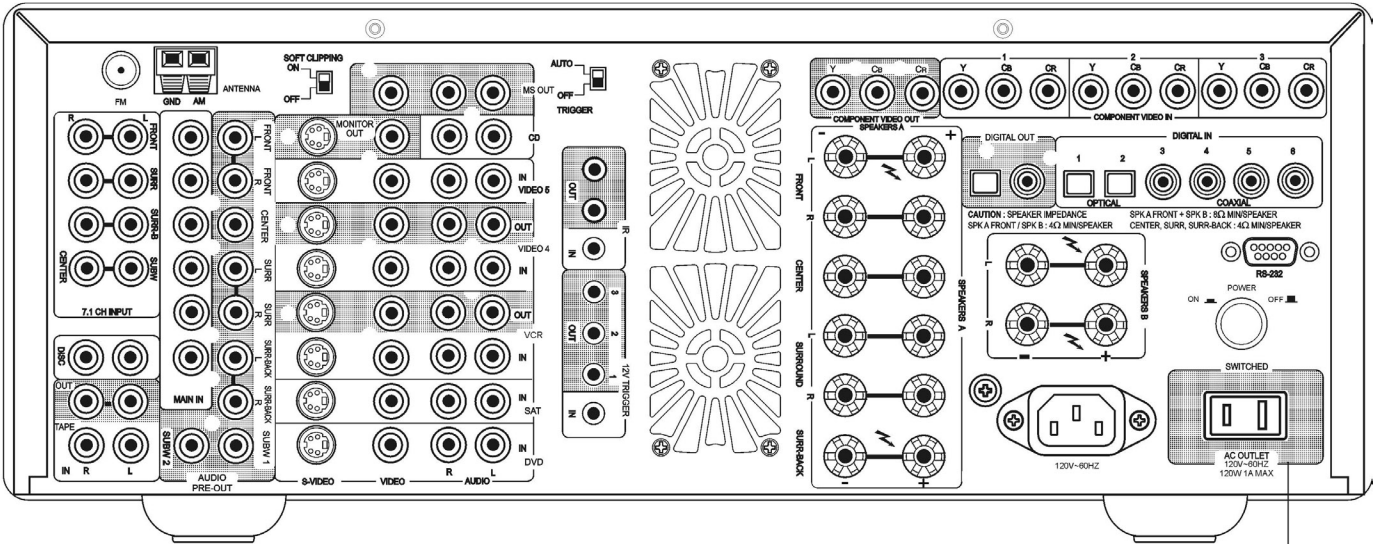
Initial system setup is best accomplished using your television monitor and the clear and simple On Screen Display (OSD), which can be configured to also give status updates as settings are changed in everyday use. Once the T 763 is informed of your specific system set-up, all settings are stored in a non-volatile memory making this a one time task. The informative front panel display indicates complete information about the source being listened to or watched including selected surround mode and volume setting. The FM tuner includes 30 favourite station presets that can be custom named, or if the station supports the Radio Data System (RDS), it will automatically stream information about the station and music being played.

Five independent "Scenario Presets" can store speaker level and tone control settings for instant recall, making it easy to custom tailor your system for different types of program material. Encoded surround modes like Dolby Digital and DTS are automatically selected if the program is so encoded. The T 763 also remembers your last used settings when switched in and out of Standby mode. The included HTR-2 remote handset is a model type that is replacing the typical remotes found for TVs, VCR's DVD players etc... . It has illuminated buttons for easy operation in low light environments.

Remote commands for products not already included in the HTR-2's memory can be easily "taught" to the HTR-2. And the HTR-2's Macro function allows up to 64 individual commands to be triggered by the pressing just two keys. With this feature, all of the commands required for watching a DVD, for example, are executed automatically by the HTR-2's Macro function.

Summary

The T 763 offers remarkable performance and flexibility in a compact and simple to operate package. This multi-channel powerhouse will bring your favourite music and movies to life in your home entertainment room with an absolute minimum of fuss and a maximum of pure enjoyment.



Amplifier Section

Power output Stereo Mode (8Ω within rated distortion)	130W (21.1dBW)
IHF dynamic power; 8Ω	2 x 210W (23.22dBW)
IHF dynamic power; 4Ω	2 x 300W (24.77dBW)
IHF dynamic power; 2Ω	2 x 370W (25.68dBW)
Simultaneous power output surround mode	6 x 100W (20dBW)
Total harmonic distortion at rated power	0.08%
IM distortion at rated power	0.08%
Damping factor 8Ω	60
Input sensitivity and impedance	400mV / 50kΩ
Frequency response	5 to 20,000 Hz ±0.8dB
Signal/noise ratio; ref rated power 8Ω	>90dB
Signal/noise ratio; ref 1W / 8Ω	>80dB
Remote Control	Yes

Tuner Section

Input sensitivity Mono	16.1dBf
50dB Stereo:	36.1dBf
Harmonic Distortion; FM Mono	0.25%
Harmonic Distortion; FM Stereo	0.5%
Signal/noise; Mono	60dB
Signal/noise; Stereo	55dB
Stereo separation at 1kHz	40dB
Frequency response; ± 1.5dB	30Hz - 15kHz

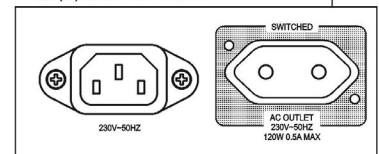
Video Section

Input and output impedance	75Ω
Component Video Bandwidth	50MHz

Physical Specifications

Dimensions (W x H x D)	17 1/8 x 6 3/4 x 16 5/8" (435 x 170 x 423mm)
Net Weight	45.4lbs (20.7kg)
Shipping Weight	48.8lbs (22.2kg)

T 763 (C) EUROPEAN VERSION





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