

**NAD**

# T 762 Surround Sound Receiver



- **6 x 100W Minimum Continuous Power into 4 / 8 ohms, all channels driven simultaneously**
- **PowerDriveAudio/Video amplifier technology • Dolby Digital, Dolby Digital EX, DTS ES, DTS NEO:6, Matrix 7.1, ProLogic II, EARS and Stereo Enhanced Surround Modes • 5 A/V Custom Presets store unique speaker level and tone control settings • Direct access speaker level adjustment for surround, center and subwoofer • Soft Clipping • 6 A/V Inputs all S-Video and Composite, 2 full tape loops • Component Video on 3 Inputs and 1 Output • 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 • 2nd Zone remote included with discrete codes for independent zone • IR input**
- **RS-232 port interface for advanced control systems • 3 x 12V output triggers, 1 x 12V input • Preamp Outputs for all 7.1 channels (2 Subwoofers) • Amplifier Input for 6 Power Amps**
- **RDS FM/AM Tuner with 30 direct access presets • HTR-2 Remote Control**

The NAD T 762 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 762, and it is unmistakable the moment you listen. It is NAD's insistence on creating products with remarkable sound quality at sensible prices that has made NAD the first choice among the most knowledgeable listeners from around the world. NAD's "Music First" philosophy dictates that we endow our Audio Video products with the same warm involving sound quality that makes music listening so rewarding with our stereo components. This stands in stark contrast to our competitors who view Audio Video components primarily from a "content" point of view, with sound quality far down the list of priorities. Yet the T 762 is second to none in terms of flexibility and up-to-the-minute digital technology.

## 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 762 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 artificial 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 762, 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 762. Boasting a minimum of 100 watts continuous

power per channel, the T 762 can fill even large rooms to lifelike sound levels. NAD's exclusive PowerDriveAudio/Video 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 PowerDriveAudio/Video, 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 favorite films and music recordings.

## Flexibility

The T 762 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 762, 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 MultiSource 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 762 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 762 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 to power a second music zone from the MultiSource 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 762 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 762 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 favorite 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 762 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 eight 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**

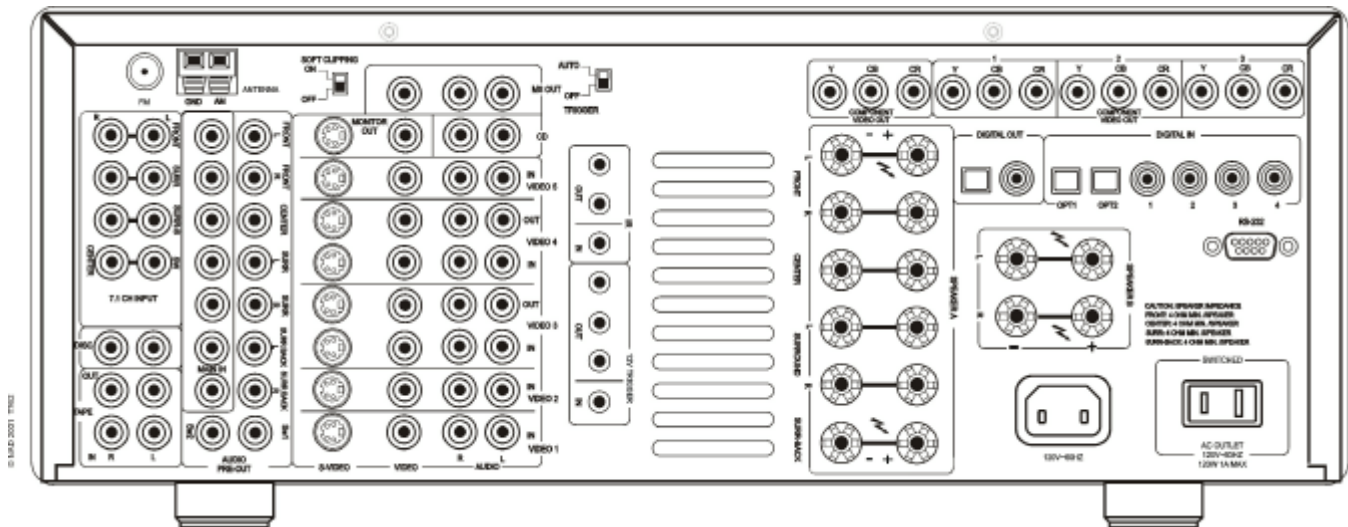
The T 762 offers remarkable performance and flexibility in a compact and simple to operate package. This multi-channel powerhouse will bring your favorite music and movies to life in your home entertainment room with an absolute minimum of fuss and a maximum of pure enjoyment.

**Full Disclosure Power Specifications**

|   |                    |
|---|--------------------|
| Power Output Stereo Mode  | 2 x 120W (20.8dbW) |
| Power Output Surround Mode into 4 / 8 ohms<br><small>(Min. power per channel, 20Hz - 20kHz with all channels driven simultaneously with no more than 0.08% THD rated distortion.)</small> | 6 x 100W (20dbW)   |
| IHF Dynamic Power; 8 ohms   | 2 x 130W (21.1dbW) |
| IHF Dynamic Power; 4 ohms   | 2 x 160W (22dbW)   |
| IHF Dynamic Power; 2 ohms   | 2 x 300W (24.8dbW) |

**Physical Specifications**

|                        |   |
|------------------------|---|
| Dimensions (W x H x D) | 17 1/8 x 6 1/8 x 15"<br>(435 x 155 x 382mm) |
| Net Weight             | 36.5 lbs (16.56kg)                          |
| Shipping Weight        | 38.5 lbs (17.46kg)                          |



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