

# NAD

## L 73 DVD/CD Surround Receiver



- DVD/CD Surround Receiver
- 5 x 45 Watts, 20Hz-20kHz, with <0.08% THD into 8 Ohms, all channels driven simultaneously (NAD Full Disclosure Power)
- 2 x 60 Watts in Stereo mode
- Plays DVD-V, VCD, SVCD, CD, CD-R, CD-RW, MP-3, J-PEG, WMA
- DVD-Audio
- Progressive Scan with Component Video Output - HDTV compatible
- Unified OSD
- Dual standard (PAL/NTSC) OSD follows input for DVD
- 3 A/V Inputs, S-Video and Composite for adding additional sources such as Satellite TV
- Dolby Digital, DTS, Pro-Logic II, EARS and Stereo Enhanced surround Modes
- Dolby Virtual Speaker and Dolby Headphone - 3 listening modes
- Full-size separate component performance
- Crystal Sigma-Delta ADCs and DACs with 96kHz/24 bit resolution
- Subwoofer output
- Satellite and VCR inputs, 5.1 input for future surround mode upgrades
- 1 Component Video input for CAB/SAT, S-Video and composite outputs
- 2 digital inputs: 1 RCA; 1 TOS Link
- 1 TOS Link digital output
- RDS tuner (RDS PS & RDS RT)
- 30 presets for AM and FM
- Gold Plated RCA Connectors
- HTR-L73 8 Device Illuminated Learning Remote with Macro function

With the introduction of the L73 Surround Sound Receiver, NAD now offers the level of performance associated with its highly acclaimed full-size separates in an elegant, compact design. Designed to complement today's advanced video displays, its gleaming Titanium finish and elegant proportions make a sophisticated design statement. And unlike most other "all-in-one" systems, the NAD performs like an award winning NAD separate component. We have not made any performance compromises in our quest for convenience and style.

### The Command Center for an Advanced Surround Sound System

By combining the DVD/CD Player and Digital Surround Sound Receiver in one elegant package, one needs only to add the TV monitor and Surround Sound Speaker package to the NAD L73 to have theater quality sound in any room of the home. The L73 is ideal for apartment and condo dwellers, and makes for an outstanding bedroom or recreation room system. The supplied HTR-L73 Remote can operate your TV, VCR, Satellite or Cable Tuner, and almost any other IR remote controlled device. The logical layout and illuminated keys make operating your AV system straightforward and enjoyable, and the HTR-L73, with its ability to learn the remote commands of up to eight different devices, eliminates the clutter of multiple remote handsets. Unlike the "Home Theater in a Box" systems that include speakers (usually of questionable quality), the NAD L73 allows complete freedom to choose speakers that fit your decor and suite your taste in sound. Many new features have been incorporated to fully update our very successful L70 including Progressive Scan DVD Output, simplified setup using the On Screen Display, and the inclusion of the latest surround formats; DVD-Audio (super high resolution audio), Dolby Virtual Speaker (gives a convincing surround effect with only two front speakers), and Dolby Headphone (remarkable "holographic" surround effect from headphones).

## Performance

The NAD engineers concentrated only on the truly important parts of a surround sound system. As the new Surround Sound formats allow for the same wide bandwidth and large dynamic range for the rear channels as for the front channels, all five channels are capable of putting out an equal and substantial amount of power. As usual with NAD, the L73 uses discrete output stages only, including the surround channels. The benefits of this approach have been proven over the years in many acclaimed NAD amplifiers and receivers. Most products in this category are using digital IC amplifier modules, which allow for a very slim-line design, but cannot meet even the most basic hi-fi specs for noise and distortion. What's more, these amplifiers can only put out a very modest amount of power, far too little for a satisfying cinematic or musical performance. And to make matters even worse, these digital IC amplifiers used by our competitors cannot drive real world speakers due to their poor tolerance of low impedance, and almost total lack of dynamic power.

As one would expect from NAD, only high quality components have been used, such as high resolution ADCs (Analogue-to-Digital Converter) and DACs (Digital-to-Analogue Converter) from renowned manufacturer Crystal to obtain the best possible performance.

## FLEXIBILITY

Even though the L73 DVD Surround Sound Receiver may be far more compact than a separate DVD Player and Receiver of comparable performance, it still is very flexible. Three additional video sources (one front panel accessible - perfect for cameras and game consoles) and a 6 channel audio source can be connected (with the built-in tuner and DVD/CD player that potentially gives you access to six sources) of which two also offer S-Video inputs

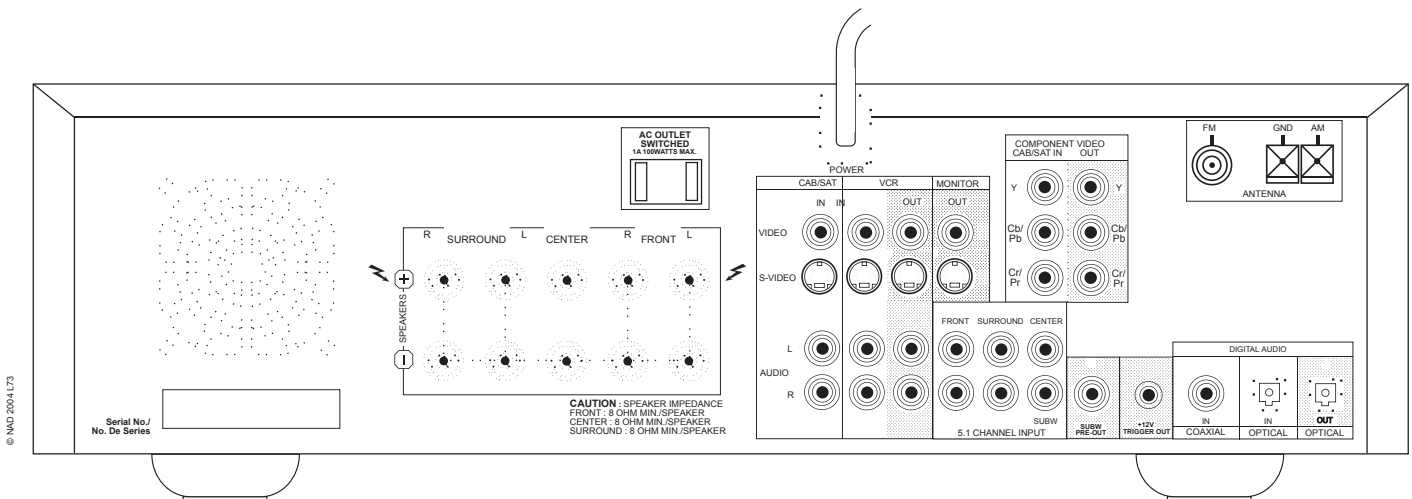
and one a Component Video input. Besides the Monitor output, the L73 also has an S-Video and Composite output as well. Two digital inputs (one optical, one coaxial) are provided, and, for easy transferring to a CD recorder or other digital recording device, the L73 also sports an optical digital output. Rather than using spring clips for loudspeaker cable connection, as usually found on compact systems, the L73 offers high quality loudspeaker binding posts, more associated with top-of-the-range full-size AV receivers. A line-level output for connection to a powered subwoofer is provided as well.

## ADVANCED FEATURES

The L73 will automatically recognise DTS or Dolby Digital and will switch accordingly. Also included is the new high resolution DVD-Audio mode with up to 24 bit 96 kHz resolution (CD is only 16 bit 44.1 kHz) with full bass management available. Besides these modes, Stereo Enhanced (all channel stereo), ProLogic II, and EARS (an NAD exclusive) are available, all aimed at reproducing 2 channel stereo music in a realistic 5.1 surround mode, creating either a natural ambience, or an all out party sound. In all cases the sound is pure and undistorted, as opposed to those fuzzy "boingy" sound effects with lofty sounding names like "stadium" and "cathedral".

## DVD AND CD FEATURES AND PERFORMANCE

Besides superb DVD picture quality in either interlaced or progressive modes, the NAD L73 also offers a wide range of facilities such as Multi-Angle\*; Multi-Sound\*; Multi-Subtitle\*; Frame; Zoom and Repeat. All these facilities can be easily accessed with the supplied remote control. Through the extensive yet intuitive On-Screen-Display you can change the various settings and parameters for optimum performance.



<b>Amplifier Section</b>	
Power output Stereo Mode	2 x 60W (18dBW)
Simultaneous Continuous Output Power into 8 ohms	5 x 45W (16.53dBW)
IHF dynamic power; 8 ohms	2 x 82W (19dBW)
Total harmonic distortion at rated power	0.08%
Damping factor 8 ohms	>60
Frequency response	20Hz to 20kHz ±0.5dB
Frequency response	-3dB 10Hz to 60kHz
Signal/noise ratio; ref. rated power / 8 ohms	99dB
Signal/noise ratio; ref 1W / 8 ohms	85dB
Remote Control	NAD HTR L73
<b>FM Tuner Section</b>	
50dB Quieting Sensitivity; FM Mono	-16 dBf
50dB Quieting Sensitivity; FM Stereo	-36.1 dBf
Image Rejection	>50dB
Harmonic Distortion; FM Mono	0.2%
Harmonic Distortion; FM Stereo	0.5%
Signal/noise; Mono	69 dB
Signal/noise; Stereo	64.2dB
Channel Separation at 1kHz	40dB
Frequency response; ±1.5dB	30Hz - 15kHz
<b>AM Tuner Section</b>	
Usable Sensitivity	55dBu
Selectivity	25dB
Image Rejection	35dB
IF Rejection	50dB
Signal/Noise Ratio	55dB
Harmonic Distortion	0.8%
<b>Audio</b>	
Frequency Response DVD Audio	48kHz sampling 10Hz - 22kHz 96kHz sampling 4Hz - 44kHz
Frequency Response CD Audio	10Hz -22kHz
Signal to noise ratio, A-weighted	>85dB
THD (at 0dB, 1kHz)	T0.008%
Wow and Flutter	Quartz accuracy
Channel separation CD	86dB
Dynamic range	103dB
<b>DVD Video</b>	
Signal to Noise	62dB
Signal system	PAL/NTSC
<b>Inputs</b>	
Digital coaxial - PCM, DTS, AC3	RCA x 1
Digital optical - PCM, DTS, AC3	TOS Link x 1
Component Video	RCA x 3
<b>Outputs</b>	
	TOS Link x 1
Digital optical - PCM, DTS, AC3	RCA x 1
Composite Video	Y/C 4 pin x 2
S-Video	Yes
Component Video	RCA x 3
12V Trigger	Yes
<b>Physical Specifications</b>	
Dimensions (W x H x D)*	17 1/8 x 4 3/4 x 13" (435 x 121 x 330 mm)
Net Weight	26 lbs (11.8 kg)
Shipping Weight	32 lbs (14.5 kg)

\* Dimensions are of unit's cabinets without feet attached; add up to 18mm for total height. Dimension depth excludes terminals, sockets, controls and buttons.



NAD Electronics International reserves the right to change specifications or features without notice. NAD is a registered trademark of NAD Electronics International. All rights reserved. No part of this publication may be reproduced, stored, or transmitted in any form whatsoever without the written permission of NAD Electronics International. © 08/04 NAD Electronics International.

[www.NADelectronics.com](http://www.NADelectronics.com)