

SoundSpace™ 10

HOME THEATRE SYSTEM



The SoundSpace 10 Home Theatre System needs only a television monitor to create a comprehensive, high-performance audio/video system.

Its an intelligent combination of décor-matched components, including Nakamichi's world-renowned five-disc MusicBank DVD/CD changer, A/V Tuner/Processor featuring Dolby Digital™ and DTS™ surround sound decoding, a five-channel acoustically matched speaker system, dual active subwoofers and complete remote operation via a programmable LCD touch-panel remote control.

Inside each subwoofer enclosure reside power amplifiers featuring Nakamichi's proprietary Harmonic Time Alignment™ circuit topology. These seven amplifier channels are capable of delivering over 365 watts of ultra clean dynamic power for the faithful reproduction of music and movie soundtracks. Both CD and DVD can be played back with comprehensive programming options and sequencing flexibility.

SoundSpace 10 also comes with two remote control units : a programmable LCD touch-panel type for surround sound set-up and calibration ; the other, a simple remote perfect for everyday use. Three multi-zone modes permit different audio and video signals to be sent to different rooms at the same time and a full complement of digital and analog inputs/outputs are available to expand the systems capabilities in the future.

* Optional main unit pedestal and speaker stands are available.



Sound Space™ 10

Control Amplifier Section

Analog Audio Section	
Inputs	6 (Tape, Aux, Video 1, Video 2, VCR 1, VCR 2)
Recording Outputs	3 (Tape, VCR 1, VCR 2)
Preamplifier Outputs	10 channels (Front L/R, Centre, Rear L/R, Subwoofer L/R, Remote L/R, Subwoofer)
Input Sensitivity/Impedance	
Rated Output Level/Impedance	200mV/47 kilohms
Preamp Output	1 V/1 kilohm
Recording Output	200 mV/1 kilohm
Subwoofer Output	1.6 V/1 kilohm
Remote Outputs	400 mV/1 kilohm
Maximum Output Level	8 V
Total Harmonic Distortion	Less than 0.01% (20 - 20,000 Hz)
Frequency Response	10 - 50,000 Hz, +0 -3dB
Signal-to-Noise Ratio	Better than 90 dB (A-weighted, input shorted)
Channel Separation	Better than 70 dB (1 kHz, input shorted)
Tone Controls	
Bass	20 Hz \pm 10 dB
Treble	20 kHz \pm 10 dB
Loudness	20 Hz +10 dB, 20 kHz +6 dB
Headphone Output	40 mW (40 ohms)
System Remote Output	3.5 mm dia. stereo mini jack (for Nakamichi cassette deck)

Digital Audio Section

Inputs	Optical	2 (OPTICAL 1/OPTICAL 2)
	Coaxial	2 (COAXIAL 1/COAXIAL 2)
Supported Digital Signals		
Format	DTS/Dolby Digital/PCM	
Quantization	16 bit/20 bit/24 bit	
Sampling Frequencies	32 kHz/44.1 kHz/48 kHz/96 kHz (PCM)	
Input Impedance		
Frequency Response	75 ohms	
Inputs	PCM 96 kHz	5 - 44,000 Hz
	PCM 48 kHz	5 - 22,000 Hz
	PCM 44.1 kHz	5 - 20,000 Hz
Total Harmonic Distortion	0.003%	
Signal-to-Noise Ratio	100 dB	
Dynamic Range	100 dB	
Channel Separation	Better than 90 dB	
Optical Digital Output	660 nm. \pm 18dBm	

Video Section

Inputs	Video	4 (Video 1, Video 2, VCR-1, VCR-2), Coaxial
	S-Video (Y/C)	4 (Video 1, Video 2, VCR-1, VCR-2), S-video jack
Outputs	Video	4 (VCR-1, VCR-2, Monitor, Remote)
	S-Video (Y/C)	4 (VCR-1, VCR-2, Monitor, Remote)
Video Signal Level/Impedance		
Video	1 Vp-p/75 ohms	
S-Video	1 Vp-p/75 ohms (Y signal) 0.286 Vp-p/75 ohms (C signal)	
Frequency Response		
Video	5 Hz - 10MHz +0, -3 dB	
S-Video	5 Hz - 10MHz +0, -3 dB	
Video Format		
	NTSC or PAL (According to country of sale)	

Surround Section

Surround Mode	6 (DTS, Dolby Digital, Dolby Pro-Logic, Natural, Hall, Stadium)	
Channel Level Adjustment Range		
Centre	-10 to +10 dB	
Rear L/R	-10 to +10 dB	
Subwoofer	-10 to +10 dB	
Delay Time Adjustment Range		
Centre	0 to +5 ms (DTS/Dolby Digital/Pro-Logic/Natural/Hall/Stadium)	
Rear L/R	0 to +15 ms (DTS/Dolby Digital/Natural/Hall/Stadium) +15 to +30 ms (Dolby Pro-Logic)	

Power Amplifier Section

Continuous Sine Wave Power Output	
Front, Centre, Rear	30 W x 5 (4 ohms, 20 - 20,000 Hz, 0.1% T.H.D.)
Subwoofer	50 W x 2 (4 ohms, 20 - 20,000 Hz, 0.1% T.H.D.)
Dynamic Power	
Front, Centre, Rear	45 W x 5
Subwoofer	70 W x 2

Tuner Section

FM Section	
(All RF levels specified in microvolts given re: 75-ohms antenna input)	
(Modulation: Mono 100%, Stereo pilot 10%, Stereo audio signal 90%)	
Frequency Range	
U.S.A./Canada	87.5 - 107.9 MHz in 200-kHz steps
Other Area	87.5 - 108.0 MHz in 50-kHz steps
IHF Usable Sensitivity	14 dBf/2.7 μ V (Mono)
50-dB Quieting Sensitivity	
Mono	22 dBf/6.9 μ V
Signal-to-Noise Ratio	
Mono	Better than 72 dB (65 dBf input)
Stereo	Better than 68 dB (65 dBf input)
Frequency Response	
Total Harmonic Distortion	30 - 15,000 Hz +1, -3 dB
Mono	
	Less than 0.4% (1 kHz)
Stereo	
	Less than 0.6% (1 kHz)
Stereo Separation	
	Better than 40 dB (1 kHz)

AM Section

(Modulation: 400 Hz, 30%)	
Frequency Range	
U.S.A./Canada	530 - 1710 kHz in 10-kHz steps
Other Area	531 - 1602 kHz in 9-kHz steps

Sensitivity	55 dB μ m
Signal-to-Noise Ratio	Better than 50 dB (90 dB μ m input)
Total Harmonic Distortion	Less than 0.5% (90 dB μ m input)

DVD/CD Player Section

Supported Disc Formats	
DVD-Video Discs	12 cm, single/dual layer, single sided/double-sided
Compact Discs	12 cm disc (CD-DA, Video CD)
Component Output	
Y Output Level	1.0 Vp-p/75 ohms (negative sync)
CR Output Level	0.7 Vp-p/75 ohms (negative sync)
CB Output Level	0.7 Vp-p/75 ohms (negative sync)

Speaker System

Front/Centre/Rear Speakers	
Enclosure	2-way sealed type
Driver Units	
Midrange/Woofer	8 cm cone/magnetically shielded
Tweeter	2.5 cm soft dome/magnetically shielded
Impedance	
Rated Power Handling	4 ohms
Maximum Power Handling	30 W
Subwoofer	
Enclosure	Bass-reflex type
Driver Unit	20 cm cone/magnetically shielded
Impedance	
Rated Power Handling	4 ohms
Maximum Power Handling	50 W
Remote Control Units	
Principle	
Infrared Pulse System	
Power Supply	
Main Remote Control	For Signal Transmission, 3V DC (1.5 V x 2)
Sub Remote Control	For Backlighting, 6V DC (1.5 V x 4) 3V DC (1.5 V x 2)

Remote Control Units

General	
Power Source	
	120 V AC, 60 Hz AC 110 - 120 V AC 220 - 240 V, 50/60 Hz (According to country of sale)
Power Consumption	
AV Tuner/Processor Unit	Max. 75 W
Subwoofer Unit (L)	Max. 340 W
Subwoofer Unit (R)	Max. 275 W
AC Outlets	
Dimensions*	
Main Unit	205 (W) x 430 (H) x 120 (D) mm 8-1/16 (W) x 16-15/16 (H) x 4-3/4 (D) inches
Main Unit (w/ tabletop stand)	215 (W) x 455 (H) x 175 (D) mm 8-1/2 (W) x 17-7/8 (H) x 6-7/8 (D) inches
AV Tuner / Processor Unit	430 (W) x 100 (H) x 325 (D) mm 16-15/16 (W) x 3-15/16 (H) x 12-13/16 (D) inches
Subwoofer Unit	294 (W) x 565 (H) x 392 (D) mm 11-5/8 (W) x 22-1/4 (H) x 15-7/16 (D) inches
Satellite Speaker System	
	120 (W) x 347 (H) x 117 (D) mm 4-3/4 (W) x 13-5/8 (H) x 4-5/8 (D) inches
Satellite Speaker System (w/ tabletop stand)	
	20 (W) x 455 (H) x 160 (D) mm 4-3/4 (W) x 17-7/8 (H) x 6-5/16 (D) inches
Centre Speaker	
	347 (W) x 120 (H) x 117 (D) mm 13-1/16 (W) x 4-3/4 (H) x 4-5/8 (D) inches
Main Remote Control	
	210 (W) x 55 (H) x 130 (D) mm 8-1/4 x 2-3/16 x 5-1/8 inches
Sub Remote Control	
	49 (W) x 26 (H) x 110 (D) mm 1-15/16 x 1 x 4-5/16 inches

General

Mass	
Main Unit	5.1 kg, 11 lbs., 4 oz.
Main Unit(w/ tabletop stand)	5.4 kg, 11 lbs., 14 oz.
AV Tuner / Processor Unit	6.9 kg, 15 lbs., 3 oz.
Subwoofer Unit	18.4 kg, 40 lbs., 8 oz.
Satellite Speaker	2.8 kg, 6 lbs., 3 oz.
Satellite Speaker (w/ tabletop stand)	3.1 kg, 6 lbs., 13 oz.
Centre Speaker	2.8 kg, 6 lbs., 3 oz.
Main Remote Control	700 g, 1 lb., 9 oz. (including batteries)
Sub Remote Control	60 g, 2 oz. (including batteries)

Optional Accessories

SA-3	Floor Speaker Stands for Front or Rear satellite speakers (pair)
SA-6	Angle-Adjustable, Wall Mount Speaker Bracket (pair)
SA-7B	Blue Grille Cloth Kit (satellite/centre speaker x 5, subwoofer x 2)
SA-7G	Green Grille Cloth Kit (satellite/centre speaker x 5, subwoofer x 2)
SA-7BU	Burgundy Grille Cloth Kit (satellite/centre speaker x 5, subwoofer x 2)



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