

DSP-AX2

Digital Home Theater Amplifier



Oil-Damped Hidden Control Panel with Optical Digital and S-Video Terminals

Extraordinary Performance and Capabilities for Maximum Home Theater Enjoyment.

- Powerful New 32-Bit Original LSI (YSS-928) Incorporates Dolby Digital, DTS and Dolby Pro-Logic Decoders plus DSP Processing Circuits
- 96-kHz/24-Bit DACs: High Performance and Precision Burr-Brown DAC for L/C/R Channels and 96-kHz 24-Bit DAC for Other 6 Channels
- 49 Surround Programs
- Quad-Field CINEMA DSP for 6.1-Channel Digital Surround
- SILENT CINEMA for Headphone Play
- Wide-Range Frequency Response for DVD-Audio Compatibility
- Versatile Digital Inputs/Outputs and Custom Installation Capability with RS-232C Interface
- Direct-Access (Multi-Command, Learning-Capable and Preset) Remote Control Unit



Black finish available



DSP-AX2 Surround Programs

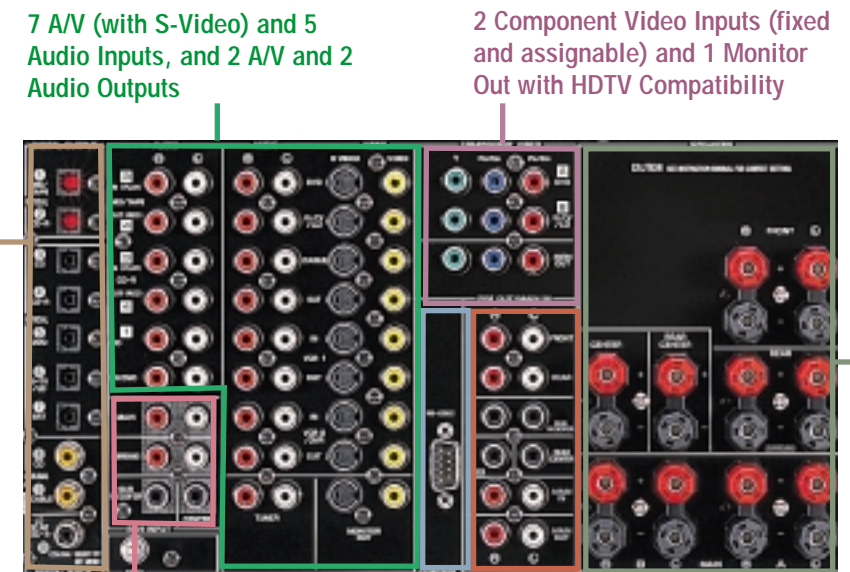
HiFi DSP Programs	Matrix 6.1 Decoder Off	Matrix 6.1 Decoder On
HALL 1	Hall A in Europe	<---
	Hall B in Europe	<---
HALL 2	Hall D in U.S.A.	<---
	Live Concert	<---
CHURCH	Freiburg	<---
	Royaumont	<---
JAZZ CLUB	Village Gate	<---
	The Bottom Line	<---
ROCK CONCERT	The Roxy Theatre	<---
	Arena	<---
STADIUM	Anaheim	<---
	Bowl	<---
ENTERTAINMENT	Disco	<---
	5 Ch Stereo	<---
Programs	14 Programs	

Surround Programs	Matrix Decoder Off	Matrix Decoder On
	Dolby Pro-Logic Normal	<---
	Dolby Digital Normal	Dolby Digital/Matrix 6.1
	DTS Digital Sur. Normal	DTS-ES
Programs	3 Programs	2 Programs

CINEMA DSP Programs	Matrix 6.1 Decoder Off	Matrix 6.1 Decoder On
ENTERTAINMENT	Game	<---
CONCERT VIDEO 1	Pop/Rock	<---
CONCERT VIDEO 2	Classical Opera	<---
TV	Mono Movie	<---
THEATER	Variety/Sports	<---
MOVIE	70mm Spectacle	<---
THEATER 1	Dolby Digital Spectacle	Dolby Digital Spectacle 6.1
	DTS Digital Sur. Spectacle	DTS Digital Sur. Spectacle ES
	70mm Sci-Fi	<---
	Dolby Digital Sci-Fi	Dolby Digital Sci-Fi 6.1
	DTS Digital Sur. Sci-Fi	DTS Digital Sur. Sci-Fi ES
MOVIE	70mm Adventure	<---
THEATER 2	Dolby Digital Adventure	Dolby Digital Adventure 6.1
	DTS Digital Sur. Adventure	DTS Digital Sur. Adventure ES
	70mm General	<---
	Dolby Digital General	Dolby Digital General 6.1
	DTS Digital Sur. General	DTS Digital Sur. General ES
DOLBY/DTS SURROUND	Dolby Pro-Logic Enhanced	<---
	Dolby Digital Enhanced	Dolby Digital Enhanced 6.1
	DTS Digital Sur. Enhanced	DTS Digital Sur. Enhanced ES
Programs	20 Programs	10 Programs
Program Total	37 Programs	12 Programs
Grand Total	49 Programs	

Remarks: ■: HiFi DSP Programs ■: AV Programs ●: CINEMA DSP ●: Tri-Field CINEMA DSP ●: Quad-Field CINEMA DSP
 • All DSP programs are available in the SILENT CINEMA and Virtual CINEMA DSP modes.

Versatile Digital Inputs/Outputs: 6 Optical/2 Coaxial/1 RF(AC-3) Digital Inputs (fixed and assignable) and 2 Optical Outputs (fixed and assignable)



7 A/V (with S-Video) and 5 Audio Inputs, and 2 A/V and 2 Audio Outputs

2 Component Video Inputs (fixed and assignable) and 1 Monitor Out with HDTV Compatibility

6-Channel External Decoder Input for Future Sound Formats

Custom Installation Capability with RS-232C Interface

Premain Coupler, and Preout Terminals for Center, Rear Effect, Rear Center and Front Effect Channels, and Subwoofer Out (Mono x 2)

140W x 6 + 35W x 2 (MAX)

2-Way Binding-Post Speaker Terminals (banana-plug compatible, all terminals)

• This system is also offered with a black finish.

Recommended Speaker Combination

- Main Speakers NS-200
- Center Speaker NS-C200
- Rear Effect Speakers NS-100
- Rear Center Speaker NS-100S
- Front Effect Speakers NS-100
- Subwoofers YST-SW320 x 2



	DSP-AX2	RX-V3000	RX-V1000
Quad-Field CINEMA DSP	Yes	Yes	Yes
Digitally Regulated Volume Control	Yes (all channels)	Yes (all channels)	Yes (all channels)
Surround Program	49 programs	49 programs	41 programs
On-Screen Display	Yes	Yes	Yes
Virtual CINEMA DSP	Yes	Yes	Yes
Convenient "Set Menu"	Yes	Yes	Yes
Maximum Output Power			
Main Ch	140 W + 140 W	140 W + 140 W	140 W + 140 W
Center Ch	140 W	140 W	140 W
Rear Effect Ch	140 W + 140 W	140 W + 140 W	140 W + 140 W
Rear Center Ch	140 W	140 W	
Front Effect Ch	35 W + 35 W	35 W + 35 W	
Dynamic Power/Ch			
(Main Ch) 4 ohms	220 W	220 W	185 W
(Main Ch) 2 ohms	320 W	320 W	230 W
Linear Damping	Yes	Yes	Yes
Damping Factor (8 ohms, 20-20,000 Hz)	200 (main ch)	200 (main ch)	80 (main ch)
Frequency Response (8 ohms)	10-100,000 Hz +0, -3 dB	10-100,000 Hz +0, -3 dB	10-100,000 Hz +0, -3 dB
AV Rec Out Selector	Yes	Yes	Yes
Subwoofer Output Terminals	Yes (mono x 2)	Yes (mono x 2)	Yes
Preout Terminals	Premain couler, and center, rear effect, rear center and front effect preout terminals	Premain couler, and center, rear effect, rear center and front effect preout terminals	Main, center, rear effect and rear center preout terminals
Bass Extension	Yes	Yes	Yes
6-Channel External Decoder Input	Yes	Yes	Yes
Signal-to-Noise Ratio (CD, 250 mV)	100 dB	100 dB	100 dB
Dimensions (W x H x D)	449 x 191 x 468 mm	449 x 191 x 468 mm	435 x 171 x 432 mm
Weight	22 kg	22 kg	15 kg

DSP-AX2 Inputs and Outputs

	Analog		Digital		Video	
	In	Out	In	Out	In	Out
PHONO	■					
CD			■			
CD-R			■			
TUNER	■					
MD/TAPE			■			
DVD			■			
D-TV/LD			■		■	
CABLE			■			
SAT			■			
VCR 1			■		■	
VCR 2/DVR			■		■	
VIDEO AUX			■		■	
MONITOR OUT					■	

■ Fixed (■) and Assignable (◀) Terminals. * Component Video

The Inlet-Type Power Cable

It is separate, rather than attached to the unit. It is a thicker type than usual, for higher power handling capacity.

Front Panel Terminals

Auxiliary terminals with optical digital input on the front panel make it convenient to connect a digital game machine so you can enjoy DVD games and movies.