



S Y N T H E S I S[®]



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S Y N T H E S I S O N E

JBL Synthesis One: is the true home theater reference, offering the ultimate in sonic performance. The finest multichannel home cinema and music system designed for large-scale installations such as screening rooms, and home theaters in environments of up to 550 cubic meters.





S Y N T H E S I S T W O

JBL Synthesis Two: is synonymous with superior performance and reliability. This remarkable home theater system represents the perfect balance of technology and value. It will deliver extraordinary sonic performance in a wide variety of custom installations in listening rooms of up to 350 cubic meters.





S Y N T H E S I S T H R E E

JBL Synthesis Three: gives you the opportunity to become part of the privileged circle of Synthesis owners when room size is an issue. This home theater system was designed to be either custom installed or freestanding in rooms of up to 150 cubic meters, and it will offer the same performance without any compromise.



Synthesis is *the* private movie theater system; simply unique and custom installed for your pleasure.

JBL Synthesis series brings directly into your home nothing less than perfection. In order to achieve the highest level of sonic performance, we believe that it is essential to work to the specifications of your listening room. And because all room acoustics are different, we have made it our business to install, adjust and calibrate your chosen Synthesis system in your home environment. To achieve this we have selected and trained a complete network of distributor and certified professional custom installers.

The Synthesis experience comes in three packages of equal performance. From the dedicated home theater room, to the living room area, Synthesis will accommodate to your space.

Unique advanced technology!

Turnkey multi-channel system entirely THX ULTRA certified.

True music and cinema system, the main speakers include separate midrange and high frequency driver configurations for playing both movie soundtracks and recorded music.

On site equalization and calibration using proprietary computer based spectrum analysis instruments to fine-tune your system's performance.

SDEC Synthesis Digital Equalizer Crossover provides precise compensation for room acoustic problems in order to custom fit the sound to your room.

7.1 Multichannel system loudspeakers that give you the larger than life movie experience using JBL's proprietary Logic7™ sound enhancement technology.

Intelligent amplifiers, power sequenced, and equipped with a sensor-controlled fan that engages only when the soundtrack is loud enough to mask the noise of the fan.

24 bit digital multichannel audio processing, capable of upgrade and featuring our proprietary Logic7™ technology as well as all current formats: DTS, DOLBY DIGITAL and THX EX.

Dual subwoofers the 18", 15" or 12" subwoofers pairs are either products from the professional cinema or their direct derivative scaled for domestic use.

The system only JBL could design

In 1928, James Bullough Lansing (Mr JBL) designed and built the world's first motion picture sound system. For over half a century, JBL has been installing loudspeakers in movie theaters, recording studios, concert halls and nightclubs.

Lucasfilm selected JBL to develop the world's first THX approved professional cinema loudspeakers.

This unique engineering experience has enabled JBL to design the first multichannel system that would match the performance of the commercial theater in a residential environment.



Synthesis One includes 9 speakers: Two S1M, one S1C-S, four S1A, 2 S1S, two S650, two S400 for 2100 W total of twelve channels of amplification, one digital surround processor/system controller SDP-3, one digital equalizer SDEC 1000
 Synthesis Two includes 9 speakers: One S2M, one S2MR, one S2C, four S2A, two S2S, one S650, two S400 for 1450 W total of nine channels of amplification, one digital surround processor/system controller SDP-3, one digital equalizer SDEC 2500
 Synthesis Three includes 9 speakers: Two S3M, one S3VC, four S2A, one S3SL, one S3SR, one S650, two S400 for 1450 W total of nine channels of amplification, one digital surround processor/system controller SDP-3, one digital equalizer SDEC 2500

LOUDSPEAKERS

Products	Description	Frequency response		Power handling		Sensitivity 1 W @ 1m		Nominal Impedance		Dimensions (HxWxD)	Weight	Speaker Configuration	
		Cinema	Music	Cinema	Music	Cinema	Music	Cinema	Music			Cinema	Music
S1M	Main left and right front loudspeakers	80 Hz - 17 kHz	80 Hz - 22 kHz	200 watts		HF 91 dB, LF 95 dB	HF 91 dB, LF 95 dB	Cinema: HF 4 ohms, LF 8 ohms Music: HF 6 ohms, LF 8 ohms	686 x 533 x 299 mm 27 x 21 x 9 inches	33.6 kg 74 lbs	HF (1) 2-inch compression driver/bi-radial Horn LF (2) 8-inch midbass drivers	HF (1) 1-inch titanium dome tweeter MF (2) 5-inch midrange driver LF (2) 8-inch midbass drivers	
S1C-S	Vertical center channel loudspeaker	80 Hz - 17 kHz		200 watts		HF 91 dB, LF 95 dB		HF 4 ohms, LF 8 ohms	686 x 356 x 299 mm 27 x 14 x 9 inches	22.7 kg 50 lbs	HF (1) 2-inch compression driver/bi-radial Horn LF (2) 8-inch midbass drivers		
S1A	Dipole ambient surround speaker	80 Hz - 17 kHz		150 watts		95 dB		4 ohms	626 x 395 x 286 mm 24 5/8 x 13 5/8 x 11 1/4 inches	31.8 kg 70 lbs	HF (1) 2-inch compression driver/bi-radial Horn LF (2) 8-inch midbass drivers		
S1S	Subwoofer	25 Hz - 80 Hz		400 watts		95 dB		8 ohms	876 x 533 x 559 mm 34 1/2 x 21 x 22 inches	52.25 kg 115 lbs	LF (1) 18-inch midbass driver		
S2M	Main left and right front loudspeakers	80 Hz - 17 kHz	80 Hz - 22 kHz	150 watts		Cinema: 91 dB Music: 92 dB		Cinema: 8 ohms Music: 8 ohms	660 x 444 x 248 mm 26 x 17 1/2 x 9 3/4 inches	30.5 kg 67 lbs	HF (1) 2-inch compression driver/bi-radial Horn LF (2) 6-inch midbass drivers	HF (1) 1-inch titanium dome tweeter MF (1) 1-inch midrange driver LF (2) 6-inch midbass drivers	
S2C	Vertical center channel loudspeaker	80 Hz - 17 kHz		150 watts		91 dB		8 ohms	597 x 381 x 274 mm 23 1/2 x 15 x 10 3/4 inches	27.3 kg 60 lbs	HF (1) 2-inch compression driver/bi-radial Horn LF (2) 6-inch drivers		
S2A	Dipole ambient surround speaker	100 Hz - 17 kHz		100 watts		87 dB		6 ohms	406 x 294 x 166 mm 16 x 11 9/16 x 6 9/16 inches	12.7 kg 28 lbs	HF (2) 1-inch compression driver/bi-radial Horn MF (2) 5-inch drivers		
S2S	Subwoofer	35 Hz - 80 Hz		250 watts		94 dB		8 ohms	699 x 533 x 401 mm 27 1/2 x 21 x 15 13/16 inches	50 kg 110 lbs	LF (1) 15-inch midbass driver		
S3M	Main left and right front loudspeakers	80 Hz - 18 kHz	80 Hz - 24 kHz	150 watts	100 watts	87 dB		8 ohms	808 x 259 x 321 mm 13 13/16 x 10 13/16 x 12 5/8 inches	18.6 kg 41 lbs	HF (1) 1-inch compression driver LF (2) 6-inch midbass drivers	HF (1) 1-inch titanium tweeter LF (1) 6-inch midbass driver	
S3VC	Vertical center channel loudspeaker	80 Hz - 18 kHz		150 watts		87 dB		8 ohms	695 x 259 x 321 mm 27 3/8 x 10 3/16 x 12 5/8 inches	12.7 kg 28 lbs	HF (1) 1-inch compression driver LF (2) 6-inch midbass drivers		
S3HC	Horizontal center channel	80 Hz - 18 kHz		150 watts		87 dB		8 ohms	245 x 727 x 230 mm 9 5/8 x 25 5/8 x 9 1/16 inches	12.7 kg 28 lbs	HF (1) 1-inch compression driver LF (2) 6-inch midbass		
S3SL S3SR	Subwoofer	37 Hz - 80 Hz		200 watts		92 dB		8 ohms	492 x 516 x 565 mm 19 3/8 x 20 5/16 x 22 1/4 inches	25.5 kg 56 lbs	LF (1) 12-inch midbass driver		
S2A	Dipole ambient surround speaker	100 Hz - 17 kHz		100 watts		87 dB		6 ohms	406 x 294 x 166 mm 16 x 11 9/16 x 6 9/16 inches	12.7 kg 28 lbs	HF (2) 1-inch compression driver/bi-radial Horn MF (2) 5-inch drivers		

All Synthesis Two and Three loudspeakers feature laquer-finished black ash cabinets that include grilles.

DIGITAL SURROUND PROCESSOR/SYSTEM CONTROLLER

Products	Input audio	Input video	Input digital	Output audio	Output video	Surround Mode	Dimensions	Weight	Remote control	Other
SDP3	8 in stereo RCA S/PDIF	8 S-video, 8 composite RCA NTSC/PAL/SECAM	8 S/PDIF, 5 coaxial (RCA) 3 optical (toslink)	8 RCA Left cent. Right L/R Side, L/R Rear et Subwoofer	3 composite (RCA) 3 S-video: 1 monitor, 2 record	DTS® FILM 5.1 Dolby® digital THX® cinema, Logic7™ Dolby® prologic DTS® music, jazz, rock, classical...	440 x 292 x 92 mm 483 x 292 x 89 mm rack mounted	4.9 kg 10.8 lbs	Infrared	RS232 for home automation

DIGITAL EQUALIZER

Products	Input	Output	General description	S/N Ratio	Dimensions (HxWxD)	Weight	Additional features
SDEC1000	6 RCA	10 RCA	92 bands parametrics equalizer Auto arrival time correction Switching mode music/cinema	100 dBA	89 x 483 x 464 mm 3 1/2 x 19 x 18 1/2 inches	10 kg 22 lbs	RS 232 port for use with DACS measurement system for auto equalization
SDEC2500	6 RCA	7 RCA	83 bands parametrics equalizer Auto arrival time correction Switching mode music/cinema	100 dBA	89 x 483 x 464 mm 3 1/2 x 19 x 18 1/2 inches	10 kg 22 lbs	RS 232 port for use with DACS measurement system for auto equalization

AMPLIFIERS

Products	Amplifier	Harmonic distortion	Dimensions	Power handling	S/N Ratio	Weight
S400	2 channels	<0.02% 20 Hz to 20 kHz	178 x 483 x 451 mm	200 W RMS into 8 ohms Stereo 200 W RMS into 8 ohms Stereo 400 W RMS into 8 ohms Mono bridge	>100 dBA	20.45 kg 45 lbs
S650	5 channels	<0.02% 20 Hz to 20 kHz	178 x 483 x 533 mm	130 W RMS into 8 ohms Stereo 190 W RMS into 4 ohms Stereo	>116 dBA	38.6 kg 85 lbs

Synthesis Three offers an Horizontal format center channel speaker S3HC (non-THX).
 STCI Infrared touchscreen remote controller (optional).

JBL invites you to contact Harman Consumer International for details of your nearest JBL Synthesis dealer.



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