

# S Y N T H E S I S<sup>®</sup>

## T H R E E



### Synthesis Three Home Media System

Listen to the music. Feel the sense of space, the immediacy, the range of a concert-hall performance. Sit back, relax. Absorb the power of high-resolution moving images and perfectly clear dialogue. Let the full-fidelity score and sound effects reach you from all directions.

Experience Synthesis. State-of-the-art performance for music and cinema. The perfect integration of more than 50 years of JBL preeminence in entertainment design.

Synthesis: Achieved by designing two complements of drivers, each dedicated to its unique application. Within the loudspeakers, an electronically activated relay allows switching between the THX<sup>®</sup>-licensed cinema system and the music system. All Synthesis drivers are electronically equalized for optimum tonal balance and performance, and are powered by an array of amplifiers capable of generating nearly 900 watts of power.

Complex system architecture has been sculpted to a human scale. With great attention to design and finish, these elegantly styled lacquered black ash cabinets can beautifully stand open in your environment. Synthesis Three is capable of igniting 6,000 cubic feet with the fury of the wildest cinematic explosion or preserving the sweetness of a violin solo. All of the slim-proportioned, speakers are the most powerful available in their price range.

Also, available now a convenient horizontal center channel speaker (See back).

The result is magical. Synthesis Three home media system.

### SP MKII Surround decoder/Controller

Featuring microprocessor-controlled analog circuitry. Exclusive "adaptive high speed steering logic" with features that include THX, Dolby Pro-Logic playback modes for cinema soundtracks, two "movie" modes, five music modes, an enhanced mono mode and effects mute. Directly accessing source inputs, switching among all effects, and between the music and cinema systems are accomplished from the controller's remote control. There are six inputs allowing the SP to act as the system's preamplifier: two s-video, two video, two audio.

Dimensions: 3.75"h x 17"w x 14.5"d

### S300 and S150 Power Amplifiers

Synthesis amplifiers contain upgraded circuitry components to allow for the greatest bandwidth possible. This design limits high frequency phase shift and preserves the lifelike quality of digital recordings. All amplifier inputs are balanced. Each amplifier is cooled by a "smart" fan controller, a sophisticated circuit allows the fan to run only when there is sufficient sound to completely mask the fan noise. If excessive heat builds up for any reason, the "smart" controller turns up the fan until the heat is reduced.

### S300 and S150 Power Amplifiers

A total of two S300s and two S150s provide Synthesis Three with nearly 900 watts of peak power.

Amplifier Power:

S300: 150 watts/channel into 4 ohms

S150: 75 watts/channel into 4 ohms

Dimension, both models:

3.5"h x 19"w x 17"d

Rack mounts provided.

### SPS Power Sequencer

As the system powers on, the power amplifiers are engaged in sequence to prevent power surges to wall circuits. The SPS also serves as the main control bus for sending logic control signals throughout the system.

Dimensions: 2.25"h x 12"w x 5"d

### S3-SPP Signal Processing Package

Four multi-channel equalizers allow for pinpoint calibration. "Constant Q" graphic equalizer circuitry allows true one-third octave bandwidth control for the left, center, and right channels, while the dedicated subwoofer equalizer is uniquely configured featuring one-sixth octave centers for the highest resolution now available. The S3-SPP includes a three channel screen boost control for behind the screen installations, and a three channel high frequency contour control to enhance the treble, which are engaged via mode switching circuitry.

### S3M (Left and Right) Front Main Loudspeakers\*

Two complements of drivers, each dedicated to its unique application, each by an electronic relay that switches from the music to the cinema mode. The cinema system utilizes two 6-1/2-inch midbass drivers and a 1-inch shielded compression driver with 5/8-inch throat horn, chosen for their extraordinary clarity and tightly controlled directivity. When the music system is engaged, one 6-1/2-inch midbass driver is disengaged, and a 1-inch shielded titanium dome tweeter is activated.

S3M-Cinema

Frequency Response:

70Hz to 18kHz, -3dB

Power Handling: 150 watts

Sensitivity: 87 dB

S3M-Music

Frequency Response:

70Hz to 24kHz, -3dB

Power Handling: 100 watts

Sensitivity: 87 dB

Dimensions: 32"h x 10"w x 12.25"d

### S3S (Left and Right) Subwoofer

12-inch Aquaplas-coated fiber cone, 3-inch edge wound copper voice coil, Symmetrical Field Geometry and cast aluminum frame keep this driver virtually distortion free at high volumes. Magnetically shielded.

Frequency Response:

32 Hz to 1kHz, -3dB

Power Handling: 250 watts

Sensitivity: 92 dB

Dimensions: 19.5"h x 20"w x 22"d

### S3VC THX Vertical Center Channel Loudspeaker

A 1-inch high power compression driver and a 5/8-inch throat horn in combination with two 6-1/2-inch drivers is mounted in a D'Appolito fashion for tight control of the audio image. The 6-1/2-inch drivers use a fiberglass reinforced cone, along with a microcell laminate dome and surround for a smoother response. The loudspeaker is magnetically shielded to prevent interference with on-screen images.

Frequency Response: 70Hz to 18kHz, -3dB

Power Handling: 150 watts

Sensitivity: 87 dB

Dimensions: 27.5"h x 10"w x 12.25"d

### S2A THX Ambient Loudspeaker

A diffuse, directionless sound field, ideal for home theater application is created by using a di-polar configuration. Dual 5-inch full range drivers and dual 1-inch compression driver/horn transducers have been selected to guarantee outstanding power handling and the highest quality performance.

Frequency Response:

80 Hz-12kHz

Power Handling: 100 watts

Sensitivity: 92 dB

Dimensions: 16:h x 10.5"w x 6"d (wall bracket included)

### S3HC Horizontal Center Channel Loudspeaker

A pair of 6-1/2-inch mid-bass drivers, also found in the S3M and S3VC are used in conjunction with the horn/compression driver to effortlessly place the center image where it belongs. The mid-bass drivers, which utilize a vented pole piece for lower distortion, are symmetrically arranged around the horn in a low profile cabinet to provide broad horizontal coverage. The rear mounted foot assembly allows for precise angular adjustment to accommodate various height televisions.

Frequency Response:

70Hz-18kHz, -3dB

Power Handling: 150 watts

Sensitivity: 87 dB

Dimensions: 9.5"h x 28.25"w x 8.75"d



THX® Speaker Package (3) S3C Vertical Center Channel Loudspeakers, (2) S3S Subwoofers, (2) Surround Loudspeakers



S3HC Optional Horizontal Center Channel Loudspeaker

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