



JBL Synthesis® S7165, S5165, and S820 Amplifiers



S Y N T H E S I S®

JBL Synthesis® S7165, S5165, and S820 Amplifiers

These amplifiers have been designed and crafted to provide the user with a high level of sonic performance; special attention has been paid to minimize the number of components in the audio signal path, resulting in extremely low distortion, excellent transient response and wide dynamic range.

All Synthesis amplifiers have been designed to integrate well into the world of multichannel audio. They are designed to reproduce the front left and right, center, subwoofer and ambient channels, to produce a truly enveloping sound field. They are a solid foundation on which to build a high-performance home cinema system that will astound the listener with its power and realism.

Features

- Multichannel Operation
- Quiet Cooling
- High Power Capability
- Comprehensive and Isolated Circuit Protection
- Auto Turn-On and Power-Sequencing Circuitry
- Balanced and Single-Ended Inputs

Specifications

	S7165 / S5165	S820
Channels	7 / 5	2
Rated Power Output:	160W per Channel into 8 ohms, All Channels Driven	200W per Channel into 8 ohms 800W in Bridge Mode into 8 ohms
THD:	< 0.03%, 20Hz – 20 kHz	< 0.03%, 20Hz – 20 kHz
Input Impedance:	>28K ohms	28K ohms
Sensitivity:	1.1V IN = 100 watts OUT 1.3V IN = 150 watts OUT	1.1V IN = 100 watts OUT 1.55V IN = 200 watts OUT
Frequency Response:	20Hz to 20 kHz (+0.5 / -1dB)	20Hz to 20 kHz (+0 / -0.25dB)
Signal to Noise Ratio (A-Weighted at Rated Power):	≥100dB	≥100dB
Damping Factor:	≥400	≥400
Power Bandwidth 1% THD:	5Hz – 100 kHz, + 0, - 3dB	5Hz – 100 kHz, + 0, - 3dB
Intermodulation Distortion:	0.03%	0.03%

General

Dimension (H x W x D):	7-1/4" x 19" x 21-1/2" (184mm x 484mm x 546mm)	7-1/4" x 19" x 18-1/2" (184mm x 484mm x 470mm)
Net Weight (120V):	S7165: 92 lb (42kg) S5165: 83 lb (38kg)	62 lb (28kg)
Net Weight (230V):	S7165: 95 lb (43kg) S5165: 84 lb (38kg)	62 lb (28kg)
Packaged Weight (120V):	S7165: 106 lb (48kg) S5165: 96 lb (44kg)	72 LB (33kg)
Packaged Weight (230V):	S7165: 108 lb (49kg) S5165: 97 lb (44kg)	72 LB (33kg)

 Harman International

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1718 West Mishawaka Road
Elkhart, Indiana 46517 U.S.A.
574.294.8000 • jblsynthesis.com

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 SYNTHESIS®

 S7165