

# SP-SA2IB+

## SmartAmp™ Amplifier

20W x 2 @ 4 Ohms



### FEATURES

The SP-SA2IB+ SmartAmp™ is a simple, easy to setup amplifier—a must for any standard size classroom or conference room. Low cost, lightweight and convection cooled, the SP-SA2IB+ amplifier is rated at 2x20 watt @ 4Ohms. It adjusts to a 1x40 8Ohm bridged mono output, and outputs a dual mono for twice the connectability in mono mode. Includes a 3.5mm jack for pass-through

audio to a second amplifier for added resource power. Through its RS232 serial control, the SP-2AIB+ integrates with both the SP Controls PixiePlus and NRC control solutions. The Ducking Power Technology Detection system samples audio and MIC input, thereby reducing the power consumption when there is no input sensed, making it a Green Amplifier solution.

### TECHNICAL SPECIFICATIONS

#### Audio Input

Input 2 Stereo Audio, 1 MIC  
 Input Connector 2 RCA, 1 3.5mm jack, 1 captive screw  
 Input Impedance >10KΩ

#### Audio Output

Output 1 amplifier, 1 stereo audio  
 Output Connector 1 captive screw, 1 3.5mm jack  
 Output Impedance 50Ω/stereo, 4~8Ω/amplifier

#### Audio General

Frequency Response 20Hz ~ 20KHz  
 SNR 80dB at maximum output  
 Stereo Channel Separation >75dB@20Hz ~ 20KHz  
 Voltage Gain 32dB  
 CMRR >75dB@20Hz ~ 20KHz  
 Bandwidth 20Hz ~ 25KHz  
 THD + Noise 1% @ 1KHz, 0.3% @ 20KHz at nominal level  
 Power Output 2 x 20Watts (4Ohms)

#### Control Function

RS232 Control RS-232, 9-pin Female D connector  
 Pin Configurations 2 = TX, 3 = RX, 5 = GND

**Note:** All nominal levels are ±10%.



**Simple.  
 Intuitive.  
 Control.**

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