

Specifications

SB 33 A Series

Audio/acoustic and electrical – speaker

Speaker type	Stereo, 1-way, full range, surface-mount speaker
Frequency range	100 Hz to 20 kHz, -10 dB, full space (per IEC 60268-5) (when the bass and treble pots are set to their 12 o'clock positions)
Maximum SPL	95 dB, 1 m (calculated)
Nominal coverage angles	Horizontal: 130° (1 kHz-4 kHz, weighted 2 kHz-4kHz) Vertical: 130° (1 kHz-4 kHz, weighted 2 kHz-4kHz)
Driver	(2) 3" (76.2 mm) paper cone
Input connectors	(2) 5 mm captive screw connectors, 2 pole (internal)

Audio – power amplifier

Stereo channel separation	>60 dB @ 1kHz
CMRR	74 dB (typical) @ 1 kHz
Bass adjustment	±10 dB @80 Hz (reference) to 1 kHz (2 dB tolerance)
Treble adjustment	±10 dB @ 10 kHz (reference) to 1 kHz (2 dB tolerance)

Audio input – power amplifier

Number/signal type	1 stereo, balanced/unbalanced input 2 stereo, unbalanced inputs
Connectors	(1) 3.5 mm captive screw connector, 5 pole (main input) (1) 3.5 mm mini audio jack (tip, ring, sleeve) 1 pair female RCA
Impedance	>10k ohms unbalanced/balanced, DC coupled
Maximum level	
RCA and TRS inputs	+7 dBV (unbalanced) at 1% THD+N
Captive screw input	+12 dBu (balanced) at 1% THD+N
Amplifier input sensitivity	
Balanced	-8 dBu
Unbalanced	-16 dBV
Input signal detection threshold	RCA and mini audio jacks: -55 dBV (2.24 mV) ±3 dB, unbalanced Captive screw connector: -46 dBu (3.88 mV) ±3 dB, balanced
Standby mode timer	Triggers after 25 minutes (±5 minutes) with no signal

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu

Audio output - power amplifier

Number/signal type	1 stereo (2 channels total)
Connector	(2) 5 mm captive screw connectors, 2 pole
High pass filter	80 Hz, 12 dB/octave roll off
Amplifier type	Class D
S/N	>90 dB, at maximum output (15 dBu), balanced (unweighted)

Communications – amplifier

Control port	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration	Pin 1 = +10 VDC, 50 mA (max.), pin 2 = volume/mute (variable voltage), pin 3 = GND
Volume control voltage range	0 V (mute) to 10 V (maximum volume)

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Switched DC power output

Quantity/type 3 switched 12 VDC outputs
 Connectors (3) 3.5 mm captive screw connectors, 2 pole (2 available for peripherals)

General

Power supply Internal
 Input: 100-240 VAC, 50-60 Hz, 4.2 A
 Power consumption and thermal dissipation

	115 VAC, 60Hz				230 VAC, 50Hz			
	AC Line Current	AC Power Consumed	Thermal Dissipation		AC Line Current	AC Power Consumed	Thermal Dissipation	
Condition	A	W	W	BTU/hr	A	W	W	BTU/hr
Active (1/8 power), all channels driven	0.1	9.1	5.4	18	0.1	9.1	5.3	18
Quiescent (idle)	0.1	3.7	3.7	13	0.1	3.7	3.7	13
Standby	<0.1	<1	<1	<3	<0.1	<1	<1	<3

NOTE: Standby is triggered after 25 minutes (±5 minutes) with no signal.

Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
 Cooling Convection
 Protection Clip limiting, thermal, short circuit, DC output
 Indication Power LED indicates power/standby status and DC fault (see user guide for details on DC fault).
 Mounting
 Furniture mount Yes, with VESA mount (available via 3rd party) and SMK V SB 33
 Wall mount Yes, with included hardware
 Included accessories Setup guide, wallplate, webcam shelf, 1 5-pole 3.5 mm captive screw, 1 3-pole 3.5 mm captive screw, DC power cable, IEC power cable
 Enclosure type Black metal and plastic
 Enclosure dimensions
 SB 33 A 46-55 6.0" H x 40.0" W x 3.9" D to 6.0" H x 49.0" W x 3.9" D
 (15.3 cm H x 101.6 cm W x 9.8 cm D to 15.3 cm H x 124.5 cm W x 9.8 cm D)
 SB 33 A 55-65 6.0" H x 48.0" W x 3.9" D to 6.0" H x 57.0" W x 3.9" D
 (15.3 cm H x 121.9 cm W x 9.8 cm D to 15.3 cm H x 144.8 cm W x 9.8 cm D)
 SB 33 A 65-70 6.0" H x 56.0" W x 3.9" D to 6.0" H x 65.0" W x 3.9" D
 (15.3 cm H x 142.2 cm W x 9.8 cm D to 15.3 cm H x 165.1 cm W x 9.8 cm D)
 SB 33 A 75-80 6.0" H x 64.0" W x 3.9" D to 6.0" H x 73.1" W x 3.9" D
 (15.3 cm H x 162.6 cm W x 9.8 cm D to 15.3 cm H x 185.4 cm W x 9.8 cm D)
 Product weight
 SB 33 A 46-55 13.1 lbs (5.9 kg)
 SB 33 A 55-65 14.3 lbs (6.5 kg)
 SB 33 A 65-70 15.5 lbs (7.0 kg)
 SB 33 A 75-80 16.7 lbs (7.6 kg)
 Vibration ISTA 1A in carton (International Safe Transit Association)
 Regulatory compliance CE, CEC, CISPR 22 Class B, C-tick, ENERGY STAR®, European Code of Conduct, FCC Class B, ICES, RoHS, UL, CUL, VCCI Class B
 Product warranty 5 years parts and labor
 Everlast power supply warranty 7 years parts and labor

NOTE: All nominal levels are at ±10%.

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NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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