

Acoustic Solutions

BassCube 2

Technical Data

-> inputs

channel 1 / channel 2	combined jack + XLR input piezo mode: balanced or unbalanced input for passive piezo pickups, 170 mV (note 1) pad attenuation: 17 dB line mode: unbalanced, high impedance input, 37 mV pad attenuation: 12 dB phantom power: 9 V, switchable, on ring of jack socket, max. 100 mA mic mode: balanced or unbalanced, 8 mV voice filter: -5 dB at 400 Hz (referred to 10 kHz) phantom power: 48 V through 6.8k, witchable E/P mode: electret Mic + piezo pickup using channel one input with stereo jack piezo = tip, unbalanced input, 37 mV, routed to channel one mic = ring, unbalanced input, 37 mV, routed to channel two, 9 V DC plug-in power through 2.2 k
aux in	stereo cinch (L/R mixed to mono), 150 mV per channel

-> outputs

aux out	stereo cinch (L/R connected) 2 V
DI master	XLR, balanced, 0-790 mV (adjustable),
DI channel one / channel two	XLR, balanced, 0-790 mV (adjustable), switchable pre/post equalizer, pre channel insert
monitor	mono jack, unbalanced, 2.1 V, high-pass filtered at 200 Hz (butterworth type 12 dB/oct), post master
tuner	mono jack, unbalanced, 640 mV, pre equalizer
line out	mono jack, unbalanced, 2.1 V, post master
subbass	mono jack, unbalanced, 2.1 V, post master, not filtered
headphones	stereo jack, max. 100 mW into 32 ohms 1.55 V RMS at 20 mV on input one, line mode. internal speaker is muted when plugged in. do not connect to other devices, except headphones. use stereo plugs only.
insert points	
insert master	stereo jack, 2 V, tip = send, ring = return
insert ch. 1 / 2	stereo jack, 1.9 V, tip = send, ring = return

Footswitch connections

fs mute ch. 1 / ch 2	stereo jack, tip = ch. 1, ring = ch. 2, switch on = mute, internal mute switches are disabled when plugged in
fs solo/ensemble	mono jack, switch on = solo
EQ	
bass	±10 dB at 80 Hz
middle	±10 dB at 330-1000 Hz (adjustable frequency)
treble	±10 dB at 10 kHz
contour	+6 / -0 dB at 10 kHz
colour	-3 dB at 700 Hz, +10 dB at 8 kHz
HF level	+6 / -12 dB at 10 kHz
notch	+0 / -13 dB at 60-400 Hz (adjustable frequency) bandwidth, switchable (note 3): wide: 1.5 octaves, narrow 0.5 octaves
compressor ratio	adjustable from 1:1 to maximum. max. ratio depends on gain reduction (soft knee compression), e.g.: 4:1 at -10 dB, 6:1 at -20 dB
power amp	class D, 550 W / 8 ohms
limiter threshold	RMS limiter 350 W
analog signal processing	subsonic filter, low distortion RMS limiter, peak limiter
speaker	12" (300 mm) + 1" (25 mm) coaxial 2-way system
mains power	AC 230 V or AC 120 V models, 50-60 Hz, max. 500 W
mains fuse	slow 6.3 A, 5x20 mm
general cabinet	0.7" (18 mm) birch plywood
finish	waterbased acrylic, black spatter finish
dimensions	15.7" (400 mm) high 15.7" (400 mm) wide 14.4" (365 mm) deep
weight	44 lbs (20 kg)

Notes:

- Input sensitivities refer to 350 watts into 8 ohms at full gain and volume settings, neutral tone control settings, and 1 kHz sine-wave test signal. Piezo input is designed for capacitive sources only. Piezo input levels assume a voltage source with 500 pF series capacitance.
- Output levels refer to 40 mV / 1 kHz input at channel one, line mode, unless stated otherwise.
- Bandwidth refers to one-half of dB gain at center frequency.
For example, if center gain is -12 dB, bandwidth is taken between the -6 dB points.

Specifications and appearance subject to change without notice.