

Acoustic Solutions

Compact XL

Technical Data

inputs (note 1)

channel 1 jack 1/4" (6.35 mm), unbalanced input
sensitivity: 38 mV (-28 dBV)
impedance: 2.2 megohm
noise (note 3): 1.8 μ V (-115 dBV),
A-weighted
phantom power:
9 V at 'ring' terminal (max. 100 mA).
switchable.
high/low switch: 10 dB attenuator

channel 2 jack 1/4" (6.35 mm) + XLR combo socket

line mode:
unbalanced mono jack input only
sensitivity: 64 mV (-24 dBV)
impedance: 1 megohm
noise (note 3): 2.8 μ V (-111 dBV),
A-weighted

mic mode:
XLR (balanced), stereo jack (balanced), or
mono jack (unbalanced) input
sensitivity: 5.4 mV (-45 dBV)
impedance: 1.2 k (balanced use),
or 4.2 k (unbalanced use)
noise (note 3): 2.2 μ V (-113 dBV),
A-weighted
phantom power: 48 V (XLR only)
voice filter: -10 dB at 270 Hz
(referred to 10 kHz)

clip indicator (Ch. 1 and 2) threshold: 8 dB below actual clipping

aux in stereo cinch (RCA), L + R mixed and added pre-master. Sensitivity: 2 x 44 mV (-27 dBV), adjustable Impedance: 22 k

return effect return for parallel effect loop. effect signal is added pre-master. mono jack, unbalanced
relative gain of send-return loop: +2 dB
sensitivity (note 1): 760 mV
impedance: 20 k

outputs (note 2)

tuner mono jack, unbalanced, 310 mV (-10 dBV), post equalizer, pre effects, pre master

line out mono jack, unbalanced, 1.5 V (+3 dBV), post master

DI out XLR, balanced, adjustable 0–130 mV (-18 dBV), post equalizer, pre effects, pre master

send mono jack, unbalanced, 1.25 V (+2 dBV) if "pan" control is set fully clockwise, post equalizer, pre effects, pre master

headphones stereo jack
output power: max. 100 mW / 32 ohms
input sensitivity: 30 mV at channel 1 input

for 2 x 50 mW / 32 ohms
internal speaker is muted while headphones are connected.
for stereo headphones only. you should not connect anything with a mono jack plug!

footswitch connections

footswitch stereo jack,
tip = internal effect on/off,
ring = external effect on/off,
sleeve = ground.

equalizer

channel 1 colour: -3 dB at 700 Hz, and +10 dB at 8 kHz
bass: \pm 8 dB at 100 Hz (shelf type)
middle: \pm 2 dB at 600 Hz
treble: \pm 8 dB at 10 kHz (shelf type)
channel 2 bass: \pm 8 dB at 100 Hz (shelf type)
treble: \pm 11 dB at 10 kHz (shelf type)

effects

built-in effects 1 short reverb (1.5 s)
2 long reverb (7 s)
3 short delay (240 ms)
4 long delay (330 ms)

power

power amp 200 W / 8 ohms (THD < 1%),
discrete bipolar transistor design

limiter threshold RMS limiter 100 W

analog signal processing subsonic filter, low distortion RMS limiter

speaker 2-way system, 8" (200 mm) low-midrange + 1" (25 mm) dome tweeter, light-weight neodymium alloy magnets

mains power AC 100, 120, 230, or 240 V models, 50–60 Hz, max. 450 W

mains fuse 5 x 20 mm
slow 3.15 A for 230 and 240 V models
slow 6.3 A for 100 and 120 V models

general

cabinet 15 mm (0.6") birch plywood

finish waterbased acrylic, black spatter finish

dimensions height: 325 mm (12.8")
width: 330 mm (13")
depth: 285 mm (11.2")

weight 10.6 kg (23.3 lbs)

Notes:

1. Input sensitivities refer to 100 watts into 8 ohms at full gain and volume settings, neutral tone control settings and 1 kHz sine-wave test signal.
2. Output levels refer to 50 mV / 1 kHz input at channel one, unless stated otherwise.
3. Equivalent input noise voltage obtained by measuring noise voltage at the speaker and dividing by the effective voltage gain of the amplifier for the respective input. Full gain and volume settings, neutral tone control settings, input shorted, frequency range 20 Hz – 20 kHz.

Specifications and appearance subject to change without notice.

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