

Bass

Bottom line amp two

Technical Data

inputs (notes 1, 4)

input high-impedance instrument input
mono jack, 1/4" (6.35 mm) sensitivity: 22 mV (-33 dBV)
impedance: 1 megohm
equivalent input noise: 2 µV (-114 dBV),
A-weighted
high / low switch: 10 dB attenuation

aux in stereo jack, 1/4" (6.35 mm)
L + R mixed and added pre master,
but post tone controls.
level control.
sensitivity: 2 x 185 mV
impedance: 22 k (each channel)

return return for parallel effects loop
mono jack socket, 1/4" (6.35 mm)
sensitivity: 400 mV
impedance: 10 k

Outputs (note 2)

headphones output voltage: 1.1 V (20 mV input)
power: max. 100 mW into 32 ohms
internal speaker is muted when headphone is plugged in.
stereo jack, 1/4" (6.35 mm)
for use with stereo headphones only.
Please do not connect anything with a mono jack plug.

line out switchable pre / post master
mono jack, 1/4" (6.35 mm)
output voltage: 2.3 V

sub out subwoofer output without filter
mono jack, 1/4" (6.35 mm)
output voltage: 2.3 V

send send for parallel effects loop
mono jack, 1/4" (6.35 mm)
output voltage: 900 mV

tuner tuner output, not affected by mute
mono jack, 1/4" (6.35 mm)
output voltage: 900 mV

DI out pre-master, switchable pre / post tone controls and
effects, level adjustable, balanced XLR output.
Output voltage: 0...370 mV

Insert points

insert pre eq insert loop before tone controls, but after compressor
stereo jack, 1/4" (6.35 mm)
output voltage: 900 mV
tip = send, ring = return

insert post eq insert loop after tone controls
stereo jack, 1/4" (6.35 mm)
output voltage: 900 mV
tip = send, ring = return

Footswitch connections

footswitch stereo jack, 1/4" for dual footswitch
tip = footswitch for input muting
ring = footswitch for parallel effects loop on/off
sleeve = common (ground)
mute switch disabled when footswitch is plugged in

Tone controls

colour -1 dB at 300 Hz, +8 dB at 3.7 kHz

bass ±8 dB at 80 Hz

bass boost +10 dB at 55 Hz

middle ±15 dB at 200...2000 Hz (adjustable)
bandwidth (switchable, note 3):
wide: 1.6 octaves (Q = 0.37)
narrow: 0.6 octaves (Q = 1)

treble ±12 dB at 6 kHz

tone balance no effect if intensity is set fully to the left. The following
values apply if intensity is set fully to the right:

balance left:
+10 dB at 50 Hz

balance at center position:
+8 dB at 50 Hz, and +7 dB at 10 kHz

balance right:
-3 dB at 50 Hz and +8 dB at 10 kHz

(shelf-type frequency response in all cases)

hf level +6/-19 dB at 10 kHz, effective on built-in
loudspeaker only.

Compressor (note 5)

threshold range 1 mV ... 350 mV at instrument input

ratio range 1:1 ... 10:1

time constant 38 ms

indicator LED lights up at approx. 1 dB gain reduction.

Power

power amp 240 W / 8 ohms, discrete bipolar transistor design

limiter threshold 220 W

**analog signal
processing** subsonic filter, low distortion RMS limiter

speaker system 12" (300 mm) woofer with neodymium alloy magnet,
bass reflex enclosure
4" (100 mm) mid-high direct-radiating speaker

mains power mains voltage (depending on model):
100, 120, 230, or 240 V AC, 50-60 Hz
power consumption: max. 700 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 0.7" (18 mm) birch plywood

finish waterbased acrylic, black spatter finish

dimensions 500 mm (19.7") high
420 mm (16.5") wide
350 mm (13.8") deep

weight 23,5 kg (51.7 lbs)

Notes:

1. Input sensitivities refer to 220 watts into 8 ohms at full gain and volume settings, neutral tone control settings (hf level in center position, intensity in left position), and 1 kHz sine-wave test signal.
2. Output levels refer to 63 mV / 1 kHz at instrument input, unless stated otherwise.
3. Bandwidth of tone controls refers to one half of dB-gain at center frequency. For example, if center gain is -15 dB, then bandwidth is the frequency band between the -7.5 dB points.
4. Equivalent input noise voltage obtained by measuring noise voltage at speaker output and dividing by the effective voltage gain of the amplifier. Full gain and volume settings, neutral tone control settings, input shorted, frequency range 20 Hz - 20 kHz.
5. Compressor threshold refers to 1 dB gain reduction. Threshold tolerance ±3 dB. Ratio refers to 20 dB gain reduction. Ratio varies with gain reduction due to soft-knee compression.

Specifications and appearance subject to change without notice.