Bass

Bottom line amp one

Technical Data

inputs (notes 1, 4)	
input	high-impedance instrument input mono jack, ¼" (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, ¼ " (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, ¼" (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, ¼" (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, ¼" (6.35 mm) output voltage: 2.3 V
sub out	subwoofer output without filter mono jack, ¼" (6.35 mm) output voltage: 2.3 V
send	send for parallel effects loop mono jack, ¼" (6.35 mm) output voltage: 900 mV
tuner	tuner output, not affected by mute mono jack, ¼" (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, ¼" (6.35 mm) output voltage: 900 mV tip = send, ring = return
insert post eq	insert loop after tone controls stereo jack, ¼" (6.35 mm) output voltage: 900 mV tip = send, ring = return
footswitch connections	
footswitch	stereo jack, ¼" 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.

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