## Tochnical enocifications

Technical specifications			
Inputs (notes	1 2 4)		Effect is OFF when the footswitch is ON.
channel 1	High impedance, unbalanced input for	Tone controls	
	instruments (pick-ups) and line-level sources Mono jack socket, ¼" (6.35 mm) Sensitivity: 22 m/ (-3.3 dB/) High/low (attenuator) switch: -10 dB Impedance: 2.2 Meg Equivalent input noise, A-weighted: 1 uV (-120 dB/) Phantom power (optional): 9 V DC / max. 100 mA,	ch. 1	colour         -3 dB at 700 Hz, +10 dB at 8 kHz           bass         ±8 dB at 100 Hz (shelf type)           middle         ±6 dB at 800 Hz           treble         ±8 dB at 10 kHz (shelf type)
		ch. 2	bass ±8 dB at 100 Hz (shelf type) treble ±11 dB at 10 kHz (shelf type)
	short-circuit protected	Effects	
channel 2	Switchable instrument or microphone input Combo socket, XLR + jack ¼" (6.35 mm)	Internal effects	1 Reverb 1 2 Reverb 2 3 Delay 4 Chorus
	High impedance, unbalanced input for instruments (pick-ups) and line-level sources Jack socket only Sensitivity: 27 mV (-31 dBV) Impedance: 1 Meg Equivalent input noise, A-weighted:	External effect	Parallel effect loop (see also <b>send</b> and <b>return</b> ).
		eff. pan	Blends both internal and external effects between channels 1 and 2, with reverse direction of rotation for the external effects.
	2.4 uV (–112 dBV)	Power	
	mic mode  XLR (balanced), stereo jack (balanced), or mono	Power amp	60 W / 4 ohm, DMOS, monolithic I.C. Dynamic range, A-weighted: 92 dB (note 2)
	jack (unbalanced) input Sensitivity: 3.3 mV (~50 dBV) Impedance (balanced mode): 1.2 k Impedance (unbalanced mode): 2.7 k Voice filter: –10 dB at 270 Hz (referred to 10 kHz) Equivalent input noise, A-weighted: 0.8 uV (~122 dBV) Phantom power (XLR only): 48 V, max. 10 mA, short-circuit protected	Limiter threshold	50 W
		Analog signal processing	Dedicated equalizer, subsonic filter, adaptive peak limiter
		Speaker system	8" (200 mm) twin cone full-range speaker, bass reflex enclosure
<b>clip</b> indicators for ch. 1 and 2	Headroom: min. 8 dB	Mains power	Mains voltage (depending on model): 100, 120, 230, or 240 V AC, 50–60 Hz Power consumption: max. 120 W
return	Input from external parallel effect loop, or supplementary input, before master volume Mono jack, ½" (6.35 mm) Sensitivity: 320 mV (–10 dBV)	Mains fuse	5 x 20 mm T 1 A L / 250 V for 230 and 240 V models T 2 A L / 250 V for 100 and 120 V models
	Impedance: 20 k (note: impedance changes to 5 k	General	
	while external effect is switched OFF by footswitch)	Cabinet	12 mm (0.47") birch plywood
Outputs (note	Headphones output. When plugged in, internal	Finish	Waterbased acrylic, black spatter finish (standard model)
priories	speaker is muted. Stereo jack socket, L/R connected, ¼" (6.35 mm) Max. output power: 2 x 100 mW / 1000 ohm	Dimensions	260 mm (10.2") high 325 mm (12.8") wide 235 mm (9.25") deep
	Input sensitivity for 2 x 50 mW / 1000 ohm: 23 mV (–33 dBV) at channel 1 input	Weight	6.5 kg (14.3 lbs)
	Impedance: 470 ohm (common for L and R) <b>Note:</b> Suitable for headphones with stereo jack.  Does not work with mono jacks.	Notes: 1. Sensitivity	
tuner	Tuner output Mono jack socket ¼" (6.35 mm) Output voltage: 340 mV (–9 dBV)	Input sensitivities refer to 50 W into 4 ohm, full gain and master settings, neutral tone control settings, and 1 kHz sine-wave test signal.	
		2. Noise and dyna	=
line out	Preamplifier output after tone controls, with effects, and after master volume Mono jack, 'A" (6.35 mm) Output voltage: 1.4 V (+3 dBV)	Equivalent input noise voltages are typical values obtained by measuring noise voltage at speaker output and dividing by the voltage gain of the amplifier for white noise. Full gain and master settings, neutral tone control settings, input shorted, measuring bandwidth 20 Hz – 20 kHz.	
Di-out	Balanced XLR output before master, after tone controls, without effects		power amplifier: Ratio of between output signal at to A-weighted output noise with <b>master</b> in zero
	1 = ground 2 = positive	3. Output levels	
	3 = negative Differential output voltage: 140 mV (–17 dBV)		er to 50 mV / 1 kHz sine-wave test signal at channel 1 d master settings, neutral tone control settings, send
send	Output to external parallel effect loop Before master, after tone controls	4. Options	in mic mode can be decreased by 4.6 dB by an internal
	Mono jack, ¼" (6.35 mm) Output voltage: 1.4 V (+3 dBV)	jumper.	wer can be deactivated by an internal jumper.

9 V phantom power for channel 1 can be applied by an internal jumper to the "ring" terminal of the input jack. **Caution:** Use this option with care. Read the operating instructions.

Specifications and appearance subject to change without notice.



TD20120605



Sleeve = common (ground)

Stereo jack socket ¼" (6.35 mm) for a dual footswitch Tip = internal effect on/off Ring = external effect on/off

footswitch