

Technical Data: pocket tools dual mix

Inputs

channels 1 and 2	<p>Switchable microphone or line input Combo socket, XLR and ¼" jack (6.35 mm)</p> <p>line mode (jack input) Unbalanced high impedance input for instrument pick-ups and line-level sources Gain adjustment range: +3...+20 dB Min. input voltage: 100 mV (-20 dBV) Max. input voltage: 3 V (+10 dBV) Input impedance: 2.2 MΩ 60 pF Signal-to-noise ratio, A-weighted Min. gain: 108 dB Max. gain: 98 dB Frequency response: 20 Hz...20 kHz / \pm1 dB THD + N (1 kHz): < 0.3%</p> <p>mic mode (XLR input) Balanced microphone input 1 = ground, 2 = positive (+), 3 = negative (-) Gain adjustment range: +4...+40 dB Min. input voltage: 10 mV (-40 dBV) Max. input voltage: 3 V (+10 dBV) Input impedance: 2.1 kΩ Unbalanced: 1.1 kΩ Signal-to-noise ratio, A-weighted Min. gain: 108 dB Max. gain: 93 dB Frequency response: 20 Hz...20 kHz / \pm1 dB THD + N (1 kHz): < 0.1% Phantom power: 24 V, R = 1.2 kΩ per terminal, switchable for each channel, total current max. 10 mA per channel, short circuit protected <u>Warning:</u> External equipment may be damaged by inappropriate use of phantom power. In case of doubt keep the 24 V phantom power switch off (not pushed).</p>
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Clip indicator

Red LED
Headroom: 8 dB

aux in	<p>Auxiliary stereo input (mono-mixed), e.g. for CD player Cinch (RCA) sockets (left / right) and 3.5 mm stereo jack socket. Level control Min. input voltage: 2 x 250 mV (-14 dBV) Max. input voltage: 2 x 10 V (+20 dBV) Input impedance: 10 kΩ</p>
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Outputs

line out	<p>Unbalanced line output after master Mono jack, ¼" (6.35 mm) Nominal output voltage: 1 V (0 dBV) Max. output voltage: 9 V (+19 dBV) Output impedance: 47 Ω Min. load impedance: 2 kΩ Residual noise (master fully anticlockwise): A-weighted: 1 μV (-120 dBV)</p>
headphones	<p>Headphones output Stereo jack, ¼" (6.35 mm) Output power, 1 kHz, THD = 1%: Typ. 2 x 40 mW / 32 Ω Residual noise (master fully anticlockwise): A-weighted: 3.3 μV (-110 dBV) <u>Warning:</u> Suitable for headphones with stereo jack only. Do not connect any mono jacks.</p>

DI-out	<p>Balanced XLR output 1 = ground, 2 = positive (+), 3 = negative (-) Level control Nominal output voltage (differential), adjustment range: 41...410 mV (-28...-8 dBV) Output impedance: 47 Ω each terminal to ground Min. load impedance (differential): 1 kΩ Residual noise (both channels in line mode), A-weighted: 3.3 μV (-110 dBV)</p>
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Tone controls

channels 1 and 2	low	\pm 12 dB at 100 Hz (shelf type)
	high	\pm 13 dB at 10 kHz (shelf type)

Effects

Built-in effect	<p>Digital effect processor with 4 presets 1 = Reverb with short predelay 2 = Reverb with long predelay 3 = Repeating delay 4 = Chorus</p>
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Footswitch connector

footswitch	<p>Connector for a dual footswitch Stereo jack, ¼" (6.35 mm) Tip = footswitch for muting channel 1 Ring = footswitch for muting channel 2 Sleeve = ground (common) Function: Switch ON = channel muted</p>
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Power

Supply voltage	24 V \approx , 0.5 A
Mains adapter	<p>Use only supplied mains adapter. Mains voltage: 100-240 V- Power consumption when used with Dual Mix: max. 10 W</p>

General

Metal housing	Aluminium
Finish	Anodized black
Dimensions	65 mm (2.56") high 105 mm (4.13") wide 135 mm (5.31") deep
Weight	480 g (1.06 lbs)

Definitions and conditions

Input and output voltages are RMS values for a sine signal and 1 kHz unless stated otherwise.

Tone controls in neutral position unless stated otherwise.

Min. input voltage: Input voltage for nominal output voltage at line out with gain and master fully clockwise.

Max. input voltage: Permissible input voltage that does not cause distortion more than the rated THD + N (assuming suitable control settings).

Signal-to-noise ratio (SNR): Ratio of nominal output voltage to noise voltage at line out, at specified gain setting, master fully clockwise, input shorted, 20 Hz...20 kHz.

Note: The SNR found at line out may be less than the SNRs specified for the channels because both channels contribute to the output noise.

Residual noise: Noise voltage at an output when all gain and level settings are minimal.

THD + N: Total harmonic distortion + noise for nominal output voltage at line out

Specifications and appearance subject to change without notice.