

General Specifications

Frequency Response	20 Hz–20 kHz +1, –3 dB (@ +4 dB into 600 Ω)	
THD	Less than 0.1% (20 Hz–20 kHz @ +14 dB into 600 Ω)	
Dynamic Range	105dB typ. (ST IN to ST OUT AD/DA converters)	
Hum & Noise (20Hz–20kHz)* Rs = 150 ohms. Input gain max. Input pad = 0dB. Input sensitivity = –60dB.	–128dB Equivalent Input Noise	
	–88dB residual stereo output noise (ST OUT = OFF)	
	–88dB (92dB S/N) stereo output (ST OUT fader nominal, CH faders min.)	
	–64dB (68dB S/N) (ST OUT fader nominal, 1 channel fader at nominal)	
Maximum Voltage Gain	76dB input channel to stereo output	
	76dB input channel to sends 3 & 4 (pre-fader)	
	12dB stereo input to stereo output	
	76dB input channel to monitor output (via ST bus)	
Crosstalk (@1kHz)	–70dB adjacent input channels	
	–70dB input to output	
Sampling Frequency	48 kHz	
A/D Converter	20-bit linear 64-times oversampling	
D/A Converter	Stereo Out	20-bit linear 8-times oversampling
	Monitor out, SEND3, 4	18-bit linear 8-times oversampling
Processing	Internal	24-bit linear
	EQ	36-bit linear
Signal Delay	Less than 3.5ms (input channel to stereo output)	
GAIN control	44dB (–60...–16dB) continuously variable	
PAD	0/20dB attenuation	
PAN	33-position	
Parametric EQ	Low	F= 32 Hz–1 kHz; G= ±15 dB; Q=1/6, 1/4, 1/3, 1/2, 3/4, 1, 3/2, 2, 3 oct, shelving
	Mid	F= 32 Hz–18 kHz; G= ±15 dB; Q=1/6, 1/4, 1/3, 1/2, 3/4, 1, 3/2, 2, 3 oct
	High	F= 1 kHz–18 kHz; G= ±15 dB; Q=1/6, 1/4, 1/3, 1/2, 3/4, 1, 3/2, 2, 3 oct, shelving
Effects Types	Reverb, delay, chorus, symphonic, flange, pitch change, phasing, tremolo, auto pan	
Compressor Types	Compressor, Gate, Ducking	
Faders	Type	60 mm motorized
	Resolution	+6dB...–66dB, ∞dB (128 position)
Memories	Scenes	50
	Internal Effects	30 preset, 10 user
	EQ Presets	30 preset, 20 user
	COMP	10 preset, 10 user
LCD display	240 x 64 dot backlit graphic LCD display	
Meters	2 x 12-segment LED bars	
Power require- ments	US & Canada model	120V AC, 60Hz
	General model	230V AC, 50Hz
	British model	240V AC, 50Hz
Power Consumption	70 W	
Weight	12.5 kg (27.6 lb)	
Dimensions (W x H x D)	435 x 124.7 x 487.4 mm (17.1" x 5" x 19.2")	
Free-air operating temperature range	10°C–35°C (50°F–95°F)	
Supplied Accessories	Button protector	
Optional Extras	Rack-Mount kit (RK01)	
	Wooden side panels (W015P)	
	Carrying case	
	Color fader knob set (FK8R, G, B, W, Y)	

* Hum & noise measured with a 6dB/octave 12.7kHz LPF, equivalent to a 20kHz filter with infinite dB/octave attenuation.

Input Specifications

Input connection	PAD *4	GAIN	Actual load impedance	For use with nominal	Input level			Mixer connector
					Sensitivity *1	Nominal	Max. before clip	
CH INPUT CH1-CH8	0	-60	3k Ω	50-600 Ω mics & 600 Ω lines	-72dB (194 μ V)	-60dB (775 μ V)	-40dB (7.75mV)	XLR-3-31 type *2
	0	-16			-28dB (30.9mV)	-16dB (123mV)	+4dB (1.23V)	
	20				-8dB (309mV)	+4dB (1.23V)	+24dB (12.3V)	
CH INPUT CH9-CH16	0	-60	10k Ω	50-600 Ω mics & 600 Ω lines	-72dB (194 μ V)	-60dB (775 μ V)	-40dB (7.75mV)	Phone jack (TRS) *3
	0	-16			-28dB (30.9mV)	-16dB (123mV)	+4dB (1.23V)	
	20				-8dB (309mV)	+4dB (1.23V)	+24dB (12.3V)	
STEREO IN [L, R]	—	—	10k Ω	600 Ω lines	-8dB (309mV)	+4dB (1.23V)	+24dB (12.3V)	Phone jack *4
2TR IN [L, R]	—	—	10k Ω	600 Ω lines	-10dB (245mV)	-10dB (245mV)	+6dB (1.55V)	RCA/phono *5

*1. Sensitivity is the lowest input level that will produce an output of +4dB (1.23V), the nominal output level when ProMix 01 is set to maximum gain (all level controls and faders set to maximum).

*2. XLR-type connectors are balanced (1=GND, 2=HOT, 3=COLD).

*3. MIC INPUT phone jacks are balanced (Tip=HOT, Ring=COLD, Sleeve=GND).

*4. STEREO IN phone jacks are unbalanced.

*5. 2TR IN RCA/phono jacks are unbalanced.

*6. In these specifications, dB represents specific voltages. 0dB is referenced to 0.775 volts RMS.

Output Specifications

Output connection	Actual source impedance	For use with nominal	Output level		Mixer connector
			Nominal	Max. before clip	
ST OUT (L, R)	150 Ω	600 Ω lines	+4dB (1.23V)	+24dB (12.3V)	XLR-3-32 type *1
REC OUT (L, R)	600 Ω	10k Ω lines	-10dB (245mV)	+10dB (2.45V)	RCA/phono *2
MONITOR OUT (L, R)	600 Ω	10k Ω lines	+4dB (1.23V)	+20dB (7.75V)	RCA/phono *2
AUX SEND (3, 4)	600 Ω	10k Ω lines	+4dB (1.23V)	+20dB (7.75V)	RCA/phono *2
PHONES	100 Ω	8 Ω phones	1 mW	25 mW	Stereo phone jack *2
		40 Ω phones	3 mW	110 mW	

*1. Balanced connection (1=GND, 2=HOT, 3=COLD).

*2. Unbalanced connection.

* In these specifications, dB represents specific voltages. 0dB is referenced to 0.775 volts RMS.

Digital OUT & MIDI Specifications

Output connection	Format	Level	Mixer connector
DIGITAL OUT (COAXIAL)	S/PDIF	0.5Vpk-pk/75 Ω	RCA/phono
MIDI IN	MIDI	—	5-pin DIN
MIDI OUT	MIDI	—	5-pin DIN

Digital Out Channel Status

Format	Consumer
Category	AD converter
Copy Prohibit	No
Emphasis	No
Type	2 Channel audio signal
Clock Accuracy	Level 2 (300 ppm)

All specifications subject to change without notice.