Professional Mixer

RMX-1603 Professional Double Effect Audio Mixer





Description

- Intuitive mixer with 16 input channels (12 Mic/Line + 4 Mic/Stereo-Line)
- 2 High-Quality editable effects, 100 factory and 20 user presets
- Professional 4x4 24-bit / 96 kHz USB interface with MIDI
- 11 band stereo graphic equalizer
- Optional robust cover-lid with integrated handle

Property	16
Order No.	F01U218736
Channels (Mono + Stereo)	12 + 4
Auxiliarys (MON, FX, AUX)	2 Pre, 2 Post, 2 Pre/Post switchable
MIC GAIN (Mono)	0 to +60 dB
MIC GAIN (Stereo)	+10 to +60 dB
LINE/CD/USB GAIN (Stereo)	-10 to +20 dB
THD, at 1 kHz, MBW = 80 kHz	
MIC input to Master A L/R outputs, +16 dBu, typical	< 0.005%
Frequency Response, -3 dB, ref. 1 kHz	
Any input to any Mixer output	15 Hz to 70 kHz
Crosstalk, 1 kHz	
Fader and FX/AUX/MON-Send attenuation	> 85 dB
Channel to Channel	< -80 dB
CMRR, MIC input, 1 kHz	> 80 dB
Input Sensitivity, all level controls in max. position	
MIC	-74 dBu (155 µV)
LINE (Mono)	-54 dBu (1.55 mV)
LINE (Stereo)	-34 dBu (15.5 mV)
CD (Stereo)	-34 dBu (15.5 mV)
Maximum Level, mixing desk	
MIC inputs	+21 dBu
Mono Line inputs	+41 dBu
Stereo Line inputs	+30 dBu
All other inputs	+22 dBu
All other outputs	+22 dBu
Input Impedances	
MIC	2 kOhms
Insert Return	> 3.3 kOhms
2Track Return & CD In	10 kOhms
All other inputs	> 15 kOhms

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Output Impedances	
Phones	47 Ohms
All other outputs	75 Ohms
Equivalent Input Noise, MIC input, A-weighted, 150 ohms	-130 dBu
Noise, Channel inputs to Master A L/R outputs, A-weighted	
Master fader down	-97 dBu
Master fader 0 dB, Channel fader down	-89 dBu
Master fader 0 dB, Channel fader 0 dB, Channel gain unity	-82 dBu
Equalization	
LO Shelving	± 15 dB / 60 Hz
MID Peaking, mono inputs	± 15 dB / 100 Hz to 8 kHz
MID Peaking, stereo inputs	± 12 dB / 2.4 kHz
HI Shelving	± 15 dB / 12 kHz
Master EQ 11-band (63, 125, 250, 400, 630, 1k, 1.6k, 2.5k, 4k, 6.3k, 12k Hz)	± 10 dB / Q = 1.5 to 2.5
Power Consumption	
without lamp	50 W
with lamp	55 W
Filter	
LO-CUT, mono inputs	f = 80 Hz, 18 dB/oct.
VOICE FILTER, mono inputs	switchable
FEEDBACK FILTER, MON 1/2	70 Hz to 7 kHz, Notch, -9 dB
Effects	
Type	Dual stereo 24/48-bit multi effects processors
Effects presets	100 Factory + 20 User, Tap-Delay
Remote control	Footswitch, MIDI
Display	128 x 64 pixels, OLED
Digital Audio Interface	
Channels	4 In / 4 Out
AD/DA Conversion	24-bit
Sampling Rate	44.1 / 48 / 88.2 / 96 kHz
PC Interface	USB2.0, Female Type B
Peak Display	6 dB before Clip
MIDI Interface	5-pin DIN connector, In / Out
Protection	
Mixer Outputs (Relay controlled)	MON 1, MON 2, MASTER A
Switching Mode Power Supply (µC controlled)	Mains Over/Undervoltage, High Temperature
Phantom Power, switchable in groups	48 V DC
Power Requirements (SMPS with auto range mains input)	100 V to 240 V AC, 50 Hz to 60 Hz
Safety Class	I
Ambient Temperature Limits	+5 °C to +40 °C (40 °F to 105 °F)
Dimensions (W x H x D, without lid), mm	663.5 x 155 x 498.5
Weight, without lid	
Net Weight	12 kg
Shipping Weight	15.0 kg
Warranty	36 months
Optional Accessories	
Lid	F01U169708 (DC-LID1600)
Gooseneck Lamp, 12V/5W, 12", XLR 4 pol.	F01U118983 (DC-LITLITE-4P)
FS 11 (Footswitch with LED)	F01U100598 (DC-FS11)

Device in rated condition, unity gain (MIC gain 20 dB), all faders position 0 dB, all pots in mid position, master fader +6 dB, unless otherwise noted.