



# M 20X

DESKTOP DIGITAL MIXER



**Description** M 20X is a fully recallable mixer, with 16 remote controlled preamps and 11 motorized faders. Despite its dimensions, the M 20X packs a whole suite of capabilities, such as high-profile preamplifiers, top of class DSP with studio-quality processing, WiFi remote control and a comprehensive set of multitrack recording and playback functions. The mixer offers a total of 20 analog inputs and 14 output channels, between the balanced analog outputs and the AES/EBU digital output.

- Features**
- › 20 analog inputs, 16 mic preamps and 4 line inputs
  - › 12 balanced outputs + phones
  - › 20-tracks sd card play/rec
  - › 24 x 24 CH USB Audio Interface (24-bit/48 kHz)
  
  - › 11 motorized Faders
  - › Smooth User Interface with 5" Touchscreen
  - › AES Digital Output
  - › LAN / WiFi Remote Control

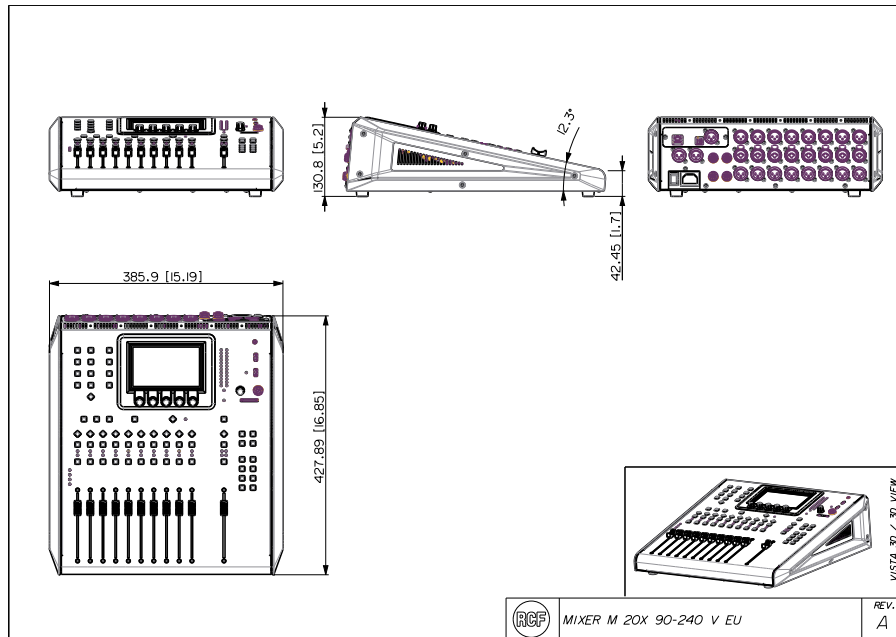
<b>Part Number</b>	17140093 M 20X	EU	90-240 V	EAN 8024530016968
	17140120 M 20X	US	90-240 V	EAN 8024530017859
	17140121 M 20X	JP	90-240 V	EAN 8024530017866
	17140122 M 20X	UK	90-240 V	EAN 8024530017873



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Line Art 2D



## TECHNICAL SPECIFICATIONS

Electronic specifications

Frequency Response	20 Hz - 20 kHz
THD+N, 0dB gain, 0dBu out	< 0.02% A-Weighted
Dynamic Range, Analog to Analog	109 dB A-Weighted
Residual Noise Level, Main Out, Muted	-85 dBu A-Weighted



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<b>Inputs</b>	Channels	20	
	Mic (Balanced XLR)	8	
	Remote Controlled Storable Gain	Yes	
	Gain Range	0 dB - 60 dB	
	Mic Input Impedance	3.3 kohm	
	Maximum Input Level	18 dBu	
	Phantom Power +48V	Yes	
	Mic/Line (XLR/TRS combo)	8	
	Remote Controlled Storable Gain	Yes	
	Gain Range	0 dB - 60 dB	
	Mic Inputs Impedance (XLR)	3.3 kohm	
	Line Inputs Impedance (TRS)	12.8 kohm	
	Maximum Input Level (XLR)	18 dBu	
	Maximum Input Level (TRS)	29 dBu	
	Phantom Power +48V	Yes	
	Balanced Line (1/4" TRS)	2	
	Gain Range	-10 dB - 10 dB	
	Line Inputs Impedance (TRS)	18 kohm	
	Maximum Input Level (TRS)	18 dBu	
	Stereo Line (3,5mm jack)	1	
	Gain Range	-10 dB - 10 dB	
	Line Inputs Impedance (TRS)	15 kohm	
	Maximum Input Level (TRS)	18 dBu	
	Input Connectors	XLR, Jack	
	<b>Outputs</b>	MIX Buses	8
		MAIN OUT (Balanced XLR)	2
		Output Impedance	50 ohm
Maximum Output Level		24 dBu	
MIX OUT (Balanced XLR)		8	
MIX OUT (1/4" TRS)		2	
Output Impedance		150 ohm	
Maximum Output Level		24 dBu	
PHONES (6,8mm jack Stereo Line)		1	
Output Impedance		50 ohm	
Maximum Output Level		18 dBu	
AES3 (XLR)		1	
Output Connectors	XLR, Jack		
<b>Processing</b>	Signal Processing	32 Bit Floating Point	
	A/D-D/A conversion	24 Bit @ 48.0 kHz	
	Headroom	20 dB	
	Buss	16	



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<b>Input processing</b>	Source Selector	Yes
	Polarity	Yes
	High Pass Filter	Yes
	Delay	100 ms
	Gate	with Gain Reduction meter
	PEQ	4 Band
	Compressor / De-Esser on Inputs	1 - 16 (with Gain Reduction meter)
<b>Output processing</b>	Delay	250 ms
	GEQ	30 Band
	PEQ	8 Band
	Compressor / Limiter	with Gain Reduction meter
	MIX OUT	[1 - 8]
	Delay	250 ms
	PEQ	8 Band
	Compressor / Limiter	with Gain Reduction meter
	Real Time Analyzer	Yes
	Delay	250 ms
<b>Effects</b>	Internal FX	4
	FX1	Reverb (Hall, Room, Plate, Ambience)
	FX2	Reverb (Hall, Room, Plate, Ambience)
	FX3	Delay (Stereo, Modern, Vintage, Dual, ER)
	FX4	Modulation (Chorus, Flanger, Tremolo)
<b>Multitrack</b>	USB Audio Interface	Yes
	Number of Tracks	20
	A/D-D/A conversion	24 Bit @ 48.0 kHz
	SD Multitrack Format	WAV, 24Bit, 48.0kHz
	Recording	20 Channels
	Playback	20 Channels
	USB Audio	Yes
	A/D-D/A conversion	24 Bit @ 48.0 kHz
	USB Audio Interface Format	WAV, 24Bit, 48.0kHz
	Upstream	24 Channels
Downstream	24 Channels	
<b>USB drive play/rec</b>	A/D-D/A conversion	24 Bit @ 48.0 kHz
	USB Drive Recording	2 Channels @ WAV, 24Bit, 48.0kHz
	A/D-D/A conversion	16 Bit @ 44.1, 48.0, 88.2, 96.0 kHz
	USB Drive Playback	2 Channels @ WAV/MP3/AIFF, 16Bit, 44.1, 48.0, 88.2, 96.0kHz
<b>Control interfaces</b>	LAN Port	1000-BaseTX for remote control
	USB Ports	2 Type A
	Description	MIDI interface, WiFi dongle (must be en



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<b>Electrical specifications</b>	Power supply	Internal
	Voltage requirements	100 V - 240 V
	Power consumption (MAX)	70 W
<b>Standard compliance</b>	Safety agency	CE compliant
<b>Physical specifications</b>	Cabinet/Case Material	Metal
<b>Size / Weight</b>	Height	131 mm / 5.16 inches
	Width	388 mm / 15.28 inches
	Depth	428 mm / 16.85 inches
	Weight	7.9 kg / 17.42 lbs

### ACCESSORIES

	12399066	MWD1	Black	EAN 8024530019143
<b>Protections</b>	<b>BAGS</b>			
	13360441	BG M 20X - E 12	Black	EAN 8024530016937
<b>Rack Components</b>	<b>RACK MOUNT KITS</b>			
	13360450	RM-KIT M 20X / E12		EAN 8024530017743