

# 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

## TECHNICAL SPECIFICATIONS

### Electronic specifications

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

### Inputs

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:	0 dB ÷ dB
Line Inputs Impedance (TRS):	18 kohm
Maximum Input Level (TRS):	18 dBu
Stereo Line (3,5mm jack):	1
Gain Range:	0 dB ÷ dB
Line Inputs Impedance (TRS):	15 kohm
Maximum Input Level (TRS):	18 dBu

### Outputs

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

### Processing

Signal Processing:	32 Bit Floating Point
A/D-D/A conversion:	24 Bit @ 48.0 kHz
Headroom:	20 dB
Buss:	16

<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>	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
	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
<b>Electrical specifications</b>	Power supply:	Internal
	Voltage requirements:	100 V - 240 V
	Power consumption (MAX):	65 W



<b>Standard compliance</b>	CE marking:	Yes
<b>Physical specifications</b>	Cabinet/Case Material:	Metal
<b>Size</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
<b>Shipping informations</b>	Package Height:	215 mm / 8.46 inches
	Package Width:	580 mm / 22.83 inches
	Package Depth:	506 mm / 19.92 inches
	Package Weight:	9 kg / 19.84 lbs

**PART NUMBER**

- **17140122**  
M 20X  
UK  
EAN 8024530017873
  - **17140093**  
M 20X  
EU  
EAN 8024530016968
- **17140121**  
M 20X  
JP  
EAN 8024530017866
- **17140120**  
M 20X  
US  
EAN 8024530017859