

# APPENDIX C: MIX FX SERIES SPECIFICATIONS

## Frequency Response

Mic Input to any Output (Trim at 0 dB):  
+0, -1 dB,  
10 Hz to 150 kHz  
-3 dB,  
10 Hz to 200 kHz

## Distortion

THD and SMPTE IMD; 20Hz to 20kHz  
Mic Input to Main Output:  
< 0.005%  
@ +4 dBu output

## Noise

20 Hz to 20 kHz BW (150Ω source impedance)  
Equivalent Input Noise (EIN): -129 dBu  
Residual Output Noise:  
Channel and Main Mix levels off  
Main, Ctrl Room, Phones: -105 dBu

## Common Mode Rejection Ratio (CMRR)

Mic In: 60 dB @ 1 kHz  
Gain @ maximum

## Crosstalk

Adjacent Inputs or Input to Output:  
-90 dB @ 1 kHz

## Input Gain Control Range

0 dB to +50 dB

## Phantom Power

+48 VDC

## Equalization

Mix.220FX:  
High ±15 dB @ 12 kHz  
Mid ±15 dB @ 2.5 kHz  
Low ±15 dB @ 80 Hz  
Mix.260FX (Mono Channels):  
High ±15 dB @ 12 kHz  
Mid ±15 dB, sweepable  
from 100 Hz to 8 kHz  
Low ±15 dB @ 80 Hz  
Mix.260FX (Stereo Channels):  
High ±15 dB @ 12 kHz  
Mid ±15 dB @ 3 kHz  
Mid ±15 dB @ 500 Hz  
Low ±15 dB @ 80 Hz

## Mixer Rated Output

Main, Aux, Control Room: +4 dBu  
Maximum Rated Output: +22 dBu

## Maximum Input Levels

Mic Input: +12 dBu,  
Gain @ +10 dB  
Line Input: +30 dBu,  
Gain @ +10 dB  
Tape Input and Aux Returns: +22 dBu

## Input Impedance

Mic Input: 2.6 kΩ, balanced  
Line Input: 20 kΩ, balanced  
Stereo Aux Returns: 20 kΩ, balanced  
CD/Tape In: 24 kΩ, unbalanced

## Output Impedance

Main 240 Ω, balanced  
120 Ω, unbalanced  
Ctrl Room, Aux Sends: 120 Ω  
Tape Output: 1 kΩ  
Phones Output: 25 Ω

## VU Meters

Main Left and Right  
Mix.220FX  
8 segments: Clip (+18), +10, +5, +2, 0, -2, -5, -20  
0 LED = 0 dBu  
Mix.260FX  
12 segments: Clip (+18), +10, +7, +4, +2, 0, -2, -4,  
-7, -10, -20, -30  
0 LED = 0 dBu

## AC Power Requirements

Power Consumption: 40 watts  
U.S. 120 VAC, 60 Hz  
Europe 240 VAC, 50 Hz  
Japan 100 VAC, 50/60 Hz  
Korea 220 VAC, 60 Hz  
AC Connector: 3-pin IEC 250 VAC

## Physical Dimensions and Weight

### Mix.220FX

Height:	3.8 in/96 mm
Width:	11.5 in/292 mm
Depth:	14.2 in/360 mm
Weight:	Approx. 8.8 lb/4.0 kg

### Mix.260FX

Height:	3.8 in/96 mm
Width:	13.7 in/348 mm
Depth:	15.1 in/384 mm
Weight:	9.8 lb/4.4 kg

## Disclaimer

Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice.

The TAPCO Mix mixers were recently accidentally awarded first prize by the Society of Juicers, Mixers and Blenders in the "Quadruple Planetary Mixers" category.

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