

# APPENDIX C: MIX 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: -106 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

Mono Channel EQ (Mix.50 only):  
High ±15 dB @ 12 kHz  
Low ±15 dB @ 80 Hz  
Mono Channel EQ (Mix.60, Mix.100, Mix.120)  
Stereo Channel EQ (Mix.60):  
High ±15 dB @ 12 kHz  
Mid ±15 dB @ 2.5 kHz  
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 Return: +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  
4 segments:  
Clip (+18), +6, 0, -20  
0 LED = 0 dBu

## AC Power Requirements

External Power Supply output:  
18.5 VAC x 2 @ 150 mA  
(3-pin AC power connection)  
External Power Supply AC input  
U.S. 120 VAC, 60 Hz  
Europe 240 VAC, 50 Hz  
Japan 100 VAC, 50/60 Hz  
Korea 220 VAC, 60 Hz

## Physical Dimensions and Weight

### Mix.50

Height: 1.6 in/41 mm  
 Width: 5.2 in/133 mm  
 Depth: 8.0 in/203 mm  
 Weight: 1.6 lb/0.7 kg

### Mix.60

Height: 1.6 in/41 mm  
 Width: 7.4 in/188 mm  
 Depth: 9.9 in/252 mm  
 Weight: 2.7 lb/1.2 kg

### Mix.100

Height: 1.6 in/41 mm  
 Width: 8.5 in/215 mm  
 Depth: 10.2 in/259 mm  
 Weight: 3.1 lb/1.4 kg

### Mix.120

Height: 1.6 in/41 mm  
 Width: 10.7 in/272 mm  
 Depth: 10.2 in/259 mm  
 Weight: 3.9 lb/1.8 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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