Product Spec Sheet from Rentex

QSC TouchMix-16 Compact Digital Mixer with Touchscreen

Mfr Part No. TOUCHMIX-16

The TouchMix-16 Compact Digital Mixer with Touchscreen from QSC is a 20-input digital mixer that features 16 built-in mic preamplifiers and can be controlled by its integrated touchscreen or wirelessly via an iPad connected to the same wireless network. The mixer features a DSP-based 4-band parametric EQ with variable high- and low-pass filters, a gate, and compressor on each input channel.

Features

- 20 total inputs: 16 mic, (four with XLR/TRS combo connector) and two stereo line (TRS)
- Dedicated talkback mic input
- Stereo Main L/R outputs (XLR)
- Ample monitor outputs (eight total) with 6 mono auxiliary mixes (XLR) and 2 stereo auxiliary mixes

Detailed Specifications

Display	6.1 x 3.5" (156 x 90 mm) color TFT, touch sensing
Recording	20 tracks, requires USB 3.0 Hard Drive, minimum 7800 RPM
Groups	8 DCA groups (with mutes) / 8 Mute groups
Cue	Input priority cue, AFL, PFL, Solo in place
Effects	Reverb, echo, delay, chorus / 1x Pitch Correct (assignable to any mono input channel) / 50x factory presets / 50x user presets
Crosstalk	-80 dB
Max Input Level	+16 dB (Mic inputs) / +22 dB (Line inputs)
Wi-Fi	USB Wi-Fi adapter included
Dynamic Range	105 dB
EIN	-128 dBu
Input	20x Total / 4x Combo XLR/TRS / 12x XLR / 2x Stereo 1/4" (6.3 mm) TRS / 1x XLR talkback
Output	2x Main XLR, line level / 6x Aux XLR, line level / 2x Stereo Aux TRS (line or ear monitors, 16 Ω minimum impedance) / 1x Stereo monitor TRS (line or headphone, 16 Ω minimum impedance) / 1x Stereo cue TRS (line or headphone, 16 Ω minimum impedance)

Mic & Line Input Processing	4-band parametric EQ with Hi/Low shelving option / Variable 24 dB/octave HPF & LPF / Gate / Compressor
2-Track (USB) & FX Return Processing	2-band shelving EQ / Variable 24 db/octave HPF / Gate / Compressor
Output Channel Processing	Main Output & Auxes 1 to 6: 1/3 octave graphic EQ, variable HPF & LPF, 4-band variable notch filter, limiter / Auxes 7/8, 9/10: 4-band parametric EQ, limiter
Sampling Frequency	44.1/48 kHz
Internal Processing	32-bit floating point
Frequency Response	20 Hz to 20 kHz, +/-0.5 dB, any input to any output
Signal to Noise Ratio	94 dB
Output Noise	Residual Output Noise: -86 dBu
Line Voltage	100 V AC - 240 V AC, 50 - 60 Hz
Control	External Control: iOS mixer app for iPad, control via Wi-Fi provides access to all mixer functions
Phantom Power	48 V, individually switchable per channel
Dimensions	14.2 x 3.5 x 11.7" (WxHxD)
Weight	5.9 lb (2.98 kg)