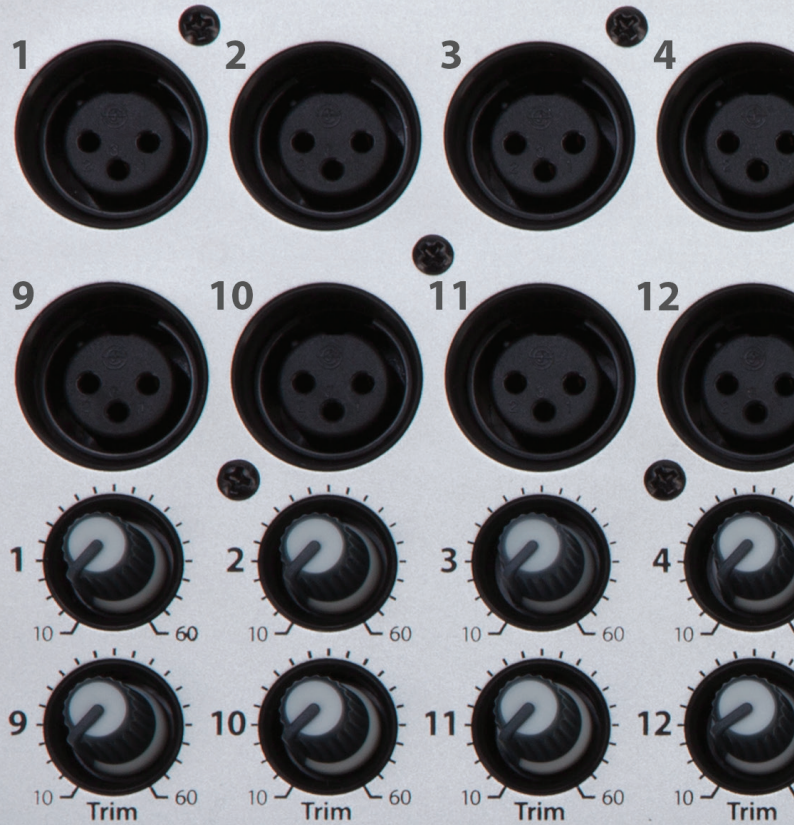


QSC™ TouchMix™ Series

Compact Digital Mixers



Overview

The QSC TouchMix is designed for musicians and live sound engineers who need an eight or sixteen input mixer with the power and capability of a large “concert” mixing console in a compact, affordable and easy to use package. TouchMix not only resets the bar for performance and value, but also redefines the user experience for professional and novice alike.

Big Mixer features and specifications

Live sound engineers rely on fully-featured and highly-capable mixers to get the results artists and concert audiences demand. TouchMix brings all this to users who don't need as many inputs and outputs as the concert engineer but still demand concert quality sound.

- **Comprehensive input channel processing with responsive four-band parametric EQ, compressor and gate.**
- **Four effects processors with reverbs, delay, chorus and pitch-change that rival the sound quality of external rack mounted devices.**
- **Class-A microphone pre-amps, 24-bit converters and 32-bit floating point processing for pristine audio quality.**
- **Output processing includes 1/3 octave graphic EQ, notch-filters, delay and limiting.**

Professional Results Made Easy

Few mixers approach TouchMix in terms of capability – none do in terms of results. Experienced mix engineers will find everything they're accustomed to on a professional console. Novice users will find additional features that help them get a great mix quickly.

- **Simple Mode** makes getting great results easy and fast (similar to the “Auto” function on a DSLR camera)
- **Advanced Mode** gives experienced users total control over all mixer parameters
- **Wizards** assist with proper gain adjustment and effects selection.
- **Preset libraries** created specifically for live sound reinforcement make setting channel EQ, gates and compressors as easy as calling up the appropriate instrument.

Compact and Complete

All this power, capability and performance come in a self-contained package that's about the size of a laptop computer. No tablet device is required but TouchMix also supports remote control for greater flexibility.

- **USB Wi-Fi adaptor included for wireless connection to tablets and smart phones. Check with qsc.com to see the growing number of supported devices.**
- **Carrying case included.**
- **Owner's manual built in to the mixer.**



Wifi Dongle and carrying case are included with every TouchMix





Compact and affordable with "big console" capabilities – TouchMix brings concert quality sound to smaller groups and venues.



Presets, Wizards and Simple Mode functions help performers dial-in the perfect mix.



Unobtrusive, powerful and easy to operate – TouchMix is a great choice for corporate and private events.

Live Multi-Track Recording



There is no easier way to capture high-quality, live performance audio. TouchMix can record all inputs to an external USB hard-drive* with no need for an external computer. In addition, you can record your choice of the Main stereo output or an independent, stereo auxiliary mix. Once you've recorded your tracks you can mix them down on the TouchMix or import them into your favorite DAW (Digital Audio Workstation) software. When it's this easy to get clear, clean tracks, you're going to want to record every show.

*There are requirements for the hard-drive. Visit qsc.com to learn more.

More Screen Shots

Channel EQ (Simple)



For the less experienced user, **Simple Mode** is available on EQ, gates, compressors, limiters and effects.

Channel Presets



Experienced mix engineers developed an extensive channel **Preset Library** for TouchMix. These presets are designed for real-world live sound use and they deliver.

Effects



TouchMix-8 and -16 both have four high-quality effects processors. You can choose from two types of reverb, chorus, pitch-change, mono delay or stereo delay. There's even an **Effects Wizard** that helps you pick the right effect and apply it where you need it.

Channel EQ (Advanced)



Advanced mode channel EQ is fully featured and highly responsive

iOS / Android control



TouchMix is complete and stands alone, but it also can be remotely controlled over Wi-Fi with the QSC TouchMix app for iPad and the TouchMix Personal Monitor app for iPhone (coming early 2015).



Features

TouchMix™-16



The TouchMix™-16 is the choice for mixing larger groups and those requiring lots of independent auxiliary mixes.

- 20 inputs (16 mic/line, 2 stereo line) + Talkback
- 12 mix outputs (Main L/R, 6 mono & 2 stereo auxiliaries)
- Stereo auxiliaries can drive wired in ear monitors directly.
- Records 20 inputs plus a stereo mix directly to external USB hard-drive.



TouchMix™-16 rear

TouchMix™-8



If you don't have a lot of inputs but need big console EQ, dynamics processing and effects, the TouchMix™-8 is for you. It's a great choice for acoustic performers, singer/songwriters or as a drum sub-mixer.

- 12 inputs (8 mic/line, 2 stereo line)
- 6 mix outputs (Main L/R, 4 mono auxiliaries)
- Stereo auxiliary output can drive wired in ear monitors directly.
- Records 12 inputs plus a stereo mix directly to external USB hard-drive.



TouchMix™-8 rear

	TouchMix-8	TouchMix-16
Display (both models)	6.1" x 3.5" (156mm x 90mm) color TFT, touch sensing.	
Inputs (Mic/Line)	12 Total: 4, XLR/TRS combo 4, XLR 2 Stereo, 1/4" TRS	20 Total: 4, XLR/TRS combo 12, XLR 2 Stereo, 1/4" TRS
Input (Talkback)	N/A	1, XLR
Outputs	2 Main, XLR, line-level 4 Auxes, XLR, line-level 1 Stereo TRS, (Line or In Ear Monitor, 16 ohm min. impedance) 1 Stereo Cue, TRS, (Line or headphone, 16 ohm min. impedance)	2 Main XLR, line-level 6 Auxes: XLR, line-level 2 Stereo auxes: TRS, (Line or In Ear Monitor, 16 ohm min. impedance) 1 Stereo Monitor, TRS, (Line or headphone, 16 ohm min. impedance) 1 Stereo Cue, TRS, (Line or headphone, 16 ohm min. impedance)
Mic & Line Input Channel Processing	4-band parametric EQ with Hi/Low shelving option • variable 24db/octave Low-cut & High-cut filters • Gate • Compressor	
2-Track (USB) & FX Return Processing	2-band shelving EQ • variable 24db/octave Low-cut • Gate • Compressor	
Output Channel Processing	Main outputs and auxes 1-6: 1/3 octave GEQ • Limiter • 4 full-frequency notch filters • Variable 18dB/oct Low-cut and High-cut filters Auxes 7/8 & 9/10 (TM-16 only): 4-band PEQ, Limiter • Additional variable 18dB/oct Low-cut and High-cut filters	
Recording ¹	14 tracks, requires USB 3.0 HD • FAT32 format • minimum 7800 RPM	22 tracks, requires USB 3.0 HD • FAT32 format • minimum 7800 RPM
Groups	8 DCA groups (with mutes) • 8 Mute groups	
Cue	Selectable AFL or PFL	
Effects	4 professional effects engines configurable as reverb (2 types) • pitch shift • mono delay • stereo delay • chorus. 1 Pitch Correct (assignable to any mono input channel)	
Scene and Preset Memory	Scenes: 130 user-defined scenes, including all mixer parameters may be stored internally or on FAT32 formatted USB Channel and FX Presets: 130 user-defined channel presets and 130 FX presets may be stored internally or on FAT32 formatted USB	
External Control ²	iOS TouchMix app for iPad, iPad mini, iPad Air. Control via Wi-Fi provides access to all mixer functions. Requires iOS 6 or higher.	
Wi-Fi ³	USB Wi-Fi adapter included	
Dimensions (HWD)	56 mm x 333 mm x 245 mm 2.2" x 13.1" x 9.6"	58 mm x 360 mm x 291 mm 2.3" x 14.2" x 11.5"
Weight	4.3 lb (1.95 kg)	5.9 lb (2.98 kg)
Line Voltage Requirements	100 - 240 VAC, 50 - 60 Hz	
Sampling Frequency	Selectable 44.1kHz or 48kHz	
Internal Processing	32-bit floating point	
Latency	<1.6msec, any input to any output	
THD	<0.005%, +4 dBu, 20 Hz - 20 kHz, unity gain, any input to any output	
Frequency Response	20 Hz - 20 kHz +/-0.5 dB, any input to any output	
Dynamic Range	105 dB	
Equivalent Input Noise	-126 dBu	
Residual Output Noise	-86 dBu	
Crosstalk	-80 dB	
S/N Ratio	-94 dB	
Maximum Input Level	+16 dBu (Mic/Line inputs, XLR), +26 dBu (Mic/Line inputs, TRS), +22 dBu (Stereo inputs)	
Phantom Power	48V, individually switchable per channel	
Included Accessories	USB WiFi adapter, Soft Carrying Case, Power Supply	

¹ A list of drives that have been validated by QSC may be found at qsc.com. The hard-drive market is huge and continuously changing so there are many drives QSC has not validated that will work. Always test a new drive before using it for a critical session. Minimum requirement is USB 3.0 HD, SSD or 7800 RPM, FAT32 format.

² The TouchMix App requires iOS 6 or higher.

³ Use only the Wi-Fi adapter supplied with your mixer.

The QSC TouchMix Series represents a breakthrough in innovation and digital mixer design - the result of a remarkable collaboration between QSC and industry icons Greg Mackie and Peter Watts (M&W Pro Audio Ltd.)

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