



TouchMix Compact Digital Mixer

TouchMix-8 | TouchMix-16

Features

- TM-16 with 20 full-function inputs (16 mic/line, 2 stereo line)
- TM-8 with 12 full-function inputs (8 mic/line, 2 stereo line)
- 4-band full parametric EQ, variable high-pass and low-pass filters on all input channels.
- Gate and compressor on all input channels.
- 4 professional quality stereo DSP effects plus a pitch corrector.
- 1/3 octave graphic equalization, limiters, delay and notch filters on main and aux. outputs.
- 8 DCA and 8 Mute groups.
- Color, capacitive touch screen graphical user interface combined with hardware controls for fast and intuitive operation.
- Wizards, info and preset libraries assist the user with channel setup, proper gain adjustment, effects selection and more.
- Monitor mixes: TM-16, 6 mono plus 2 stereo, TM-8, 4 mono.
- Drives wired In Ear Monitors (IEM) directly.
- Direct to hard-drive recording and playback of multi-track wave files. Capable of recording all input channels plus a user-selected stereo output pair.
- Remote control via mobile devices. Wi-Fi interface included.



QSC TouchMix mixers are designed for musicians, production professionals and live performance venues that need the power and capability of a large “concert” mixing console in a compact, affordable and easy to use form. TouchMix-8 and TouchMix-16 mixers have the functionality to satisfy demanding professionals combined with a range of features and functions that help the less experienced user achieve quality results.

A breakthrough in innovation and digital mixer design, TouchMix is the result of a remarkable collaboration between QSC and industry icons Greg Mackie and Peter Watts (M&W Pro Audio Ltd.) TouchMix not only resets the bar for performance and value, but also redefines the user experience for both professionals and novices alike.

“Big Mixer” Features and Specifications

Professional live sound reinforcement engineers have come to expect functionality such as four bands of fully parametric EQ, variable high and low-pass filters, compressors and gates on every channel. They rely on multiple, high quality digital effects. They expect equalization, limiting and delay on all the outputs as well as the control that DCA and mute groups provide. And they expect pristine audio quality throughout the audio path of the mixer, including low-distortion, class-A microphone preamps and professional grade converters for all inputs and outputs. With TouchMix’s, “no asterisk” specifications, there are no tradeoffs – just great performance.

Fast, Professional Results for Everyone

Digital cameras have ‘point and shoot’ features to help casual users achieve results approaching those of skilled photographers. At the same time, these cameras offer all the features an advanced photographer wants. With this in mind, the TouchMix design team set out to create a mixer that does for live sound what ‘point and shoot’ technology has done for photography. Many TouchMix functions such as EQ, compressors, gates and limiters offer you a choice of **Advanced Mode** operation that offers total control over all parameters or **Simple Mode** that provides only the most essential controls.

There’s also a comprehensive library of **Channel Presets**. These are not typical, generic, one-size-fits-all settings developed in a recording studio. Experienced, live

sound engineers spent months working with musicians, all manner of instruments, popular microphones and pickups and multiple speaker systems to develop a library of settings that are specifically designed for live sound reinforcement. In addition, the onboard **Effects Wizard** guides you through the selection and assignment of appropriate effects while the **Gain Wizard** continuously monitors and displays input clipping, allowing you to focus on your performance. The TouchMix also comes with a comprehensive library of complete **Mixer Scenes** to get you started. User scenes may be stored or recalled from either internal or USB memory and at the user’s option, scenes may include or omit main and auxiliary mix levels.

Compact and Complete

TouchMix mixers are completely self-contained. They require no external PC or video display. The **graphic, color touch-screen** provides display of and access to mix parameters. Mixer parameters may be adjusted on the screen or via the physical rotary encoder. Frequently used functions can be accessed or controlled using hardware buttons.

TouchMix may also be controlled remotely by means of Wi-Fi connection to wireless iOS devices. The available **Remote Control App** controls all mixer parameters and the mixer **includes a Wi-Fi adapter** that creates the network connection between the mixer and the hand-held device. No external network hardware is required.

To sound their best, musicians need to hear themselves. With four (TouchMix-8) or ten (TouchMix-16) auxiliary output channels, TouchMix has ample stage monitor mixing capability. Both models have the ability to **drive multiple, wired stereo in-ear monitors directly**.

TouchMix is also capable of **direct recording to an external USB hard drive** – no external computer is required. All inputs plus a stereo mix are created in 32-bit broadcast wave format. Tracks can also be played back on the mixer or imported into most DAW software for over-dubs and post production.

Finally, the TouchMix comes complete with its own **padded carrying case**, for transport and protection. Wherever your music takes you, the TouchMix will be there, ready to take the stage to help you achieve the most ideal sound for your audience.

TouchMix-8 Technical Drawing

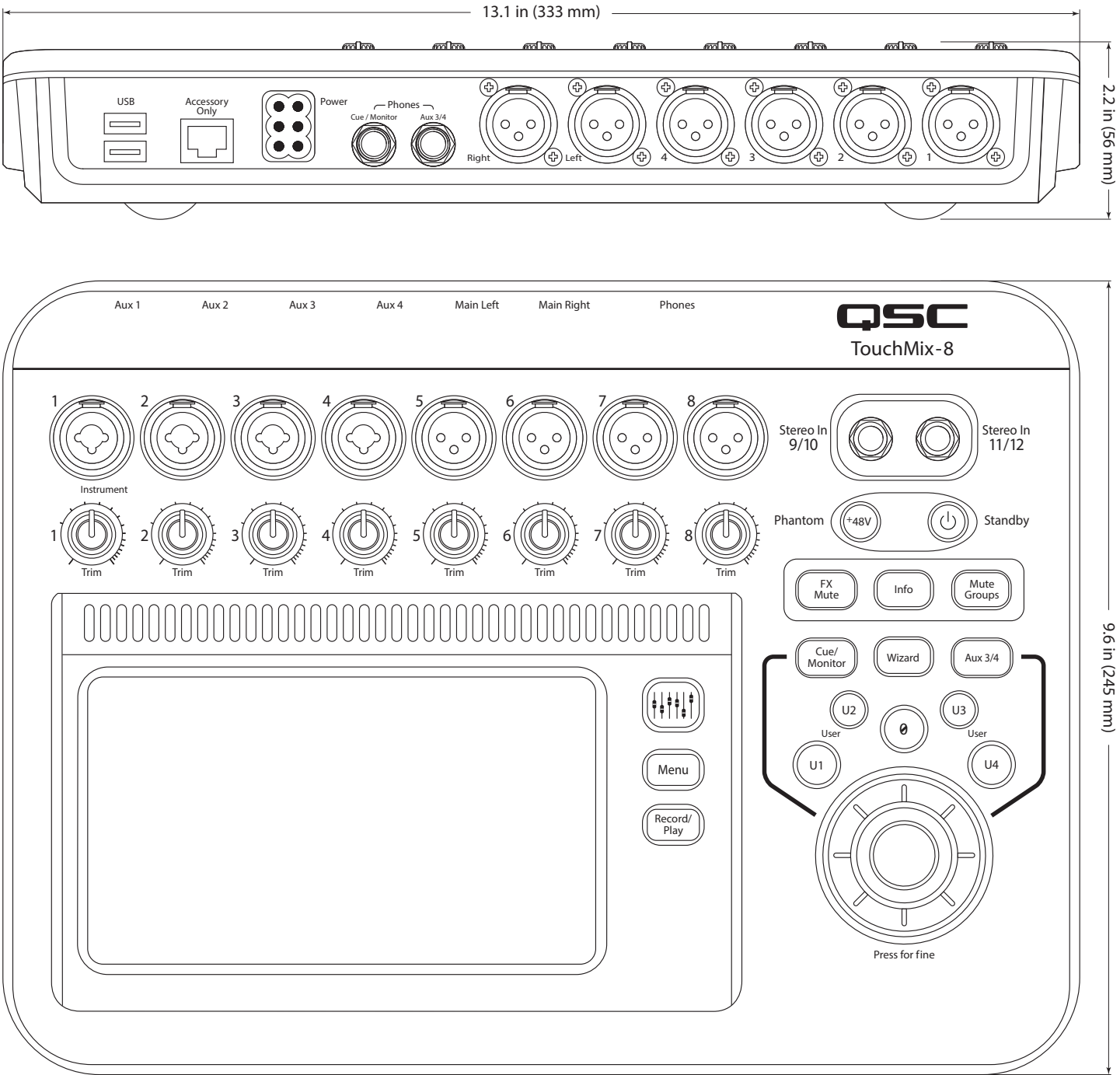


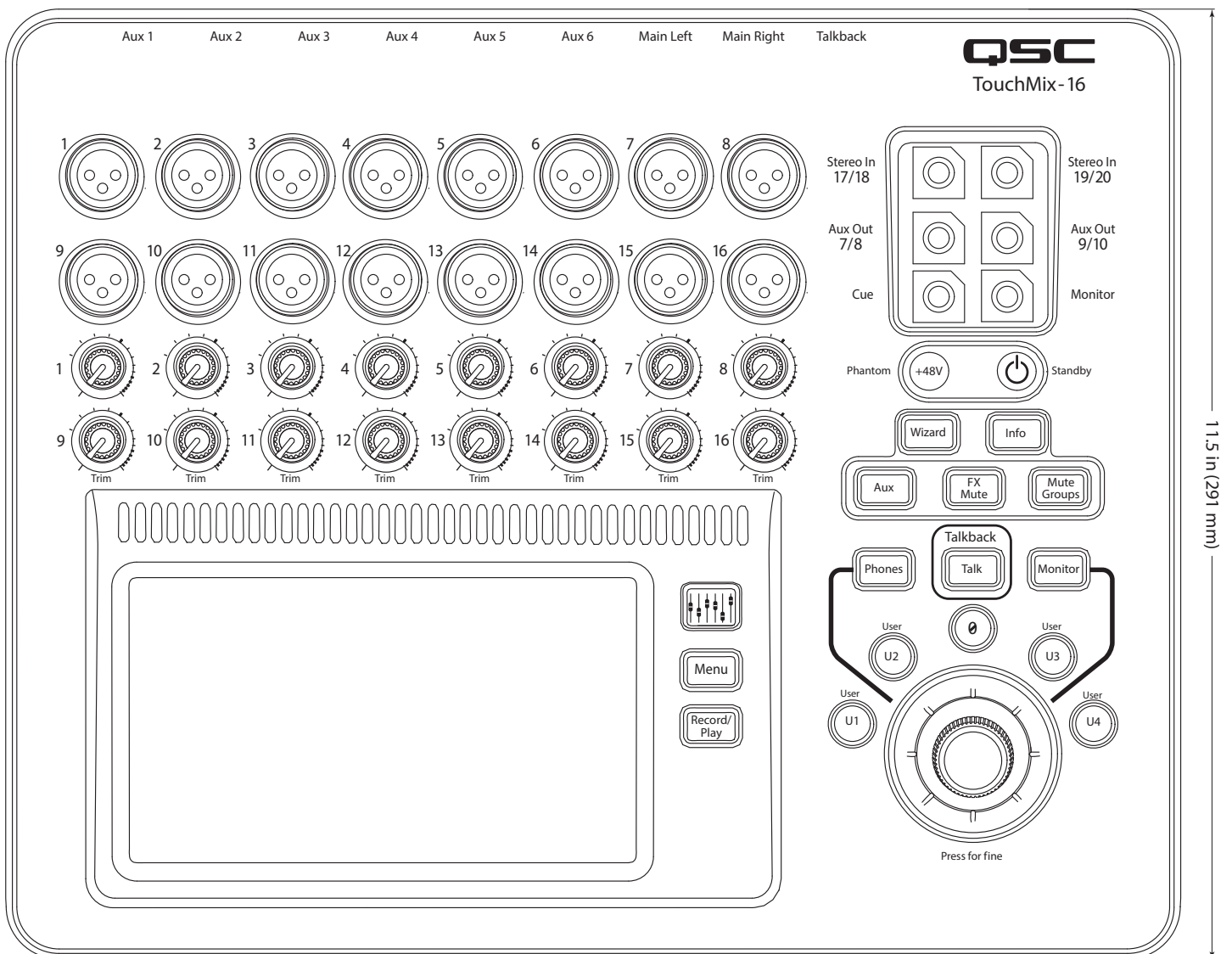
Diagram illustrating the rear panel of the 16-Channel 4K/60P HDMI Switcher, showing various ports and dimensions.

Dimensions:

- Width: 14.2 in (360 mm)
- Height: 2.3 in (58 mm)

Ports and Features (from left to right):

- USB
- Accessory Only
- Power
- Talkback
- Main Right
- Main Left
- Aux 6
- Aux 5
- Aux 4
- Aux 3
- Aux 2
- Aux 1



TouchMix-8 | TouchMix-16 Specifications

	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 Wi-Fi 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.

Specifications subject to change without notice.



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