



TouchMix Series

Digital Mixers

Features

- Mega console performance in a compact form factor
- Capacitive touch screen graphical user interface combined with hardware controls for fast and intuitive operation
 - Multi-touch screen on TouchMix-30 Pro
- Over 120 Live Sound Channel Presets for a wide range of sources and instruments.
- Anti-Feedback; Room Tuning; Gain and Effects Wizards
- Real Time Analyzer (RTA)
 - 2x RTA on TouchMix-30 Pro
- Automatic Microphone Mixer*
 - Gain sharing, 24 channels, 2 auto mixers
- Comprehensive, on-board Info System guides and assists users.
- 4-Band full Parametric EQ, variable High- and Low-Pass Filters on all input channels.
- Gate, Compressor and Delay on all input channels.
- All outputs feature 1/3 Octave Graphic Equalization and 6-band Parametric EQ plus Limiters, Delay and 8 Notch Filters.
 - 12 Notch Filters on TouchMix-30 Pro
- Eight DCA groups; Eight Mute groups
- Eight Sub-Groups with 6-band full Parametric EQ, variable High- and Low-Pass Filters and Limiter; may be linked for stereo*
- On-board settings for popular QSC loudspeakers including K and K.2 Series
- Four professional quality Stereo DSP Processors plus a Pitch Corrector (Six processors on TouchMix-30 Pro)
- Touch-and-Route Patch Matrix for easy "multing" of inputs to mixer channels*
- Copy and Paste function easily duplicates mixes, channels, EQ, dynamics and more
- 14/10/4 aux busses may be paired for stereo; direct drive of wired in-ear monitors (IEM)
- Records and plays back multi-track wave files (32/22/14 tracks) using external hard drive; capable of recording all input channels plus a user-selected stereo output pair
- Interfaces with most DAW software running on Mac® and Windows® computers*
- MP3 USB playback
- Remote control via mobile devices over Wi-Fi
- Rack-mountable with optional Accessory Kit

*TouchMix-30 Pro only



TouchMix-8

TouchMix-30 Pro

TouchMix-16

TouchMix™ is quite simply the most powerful small-format digital mixer series ever created. From the highly compact TouchMix-8 to the flagship TouchMix-30 Pro, the TouchMix Series uniquely offers the features, capabilities and sound quality of the world's most esteemed large format consoles in a refined and portable package that's small enough to be carry-on luggage. Perfect for musicians, bands, AV production professionals and small performance venues, TouchMix also goes "Beyond Mixing" by also offering Wizards, Presets and other beneficial tools that help both seasoned audio professionals and novices alike get great results quickly and easily.

Professional in Every Way

Compact in size but enormously powerful and capable, TouchMix represents a new paradigm for small-format digital mixers:

Audio quality.

The most important aspect of any mixer is audio quality and in this regard, TouchMix leads the pack among all small mixers. With professional-grade, class-A microphone preamps, top-quality converters and meticulous attention to design detail throughout the entire signal path, the TouchMix Series delivers pristine audio quality that rivals mixers multiple times its cost.

Results matter.

The TouchMix design team set out from the start to create a mixer with an intuitive workflow and straightforward navigation that is understandable for the less experienced user and fast for the professional — all without sacrificing any "big console" features or capabilities. As a result, the mixer is extremely easy to learn and operate. Many TouchMix functions such as EQ, compressors, gates and limiters offer a choice of Advanced Mode operation with total control over all parameters or Simple Mode that presents only the most essential controls.

Big mixer. Small package

A TouchMix digital mixer is one of the most advanced and capable audio processing devices ever created. Its capabilities rival many of the world's largest and most prestigious large-format consoles but with the added benefit of being highly portable and right-sized for the majority of today's portable sound reinforcement applications. Its small channel count also makes it affordable to a vast array of users who would otherwise never have imagined having such advanced capabilities for their own use.

Wireless when you want it. Hardware when you don't.

The TouchMix Control app for iOS and Android devices provides a portable, wireless interface to the mixer and offers additional control surfaces for the system operator. Individual users can be granted full access or limited to a selected set of controls such as a single monitor mix.

In instances where Wi-Fi control is either not reliable or not desired, the elegant touch-and-turn interface of TouchMix allows for tactile control over fader and mixer parameters while also providing a reliable fixed hardware connection to vital mixer functions.



TouchMix Control App for iOS® and Android™ devices

Professional Results Made Easy

Achieving a quality mix under varying conditions can be a challenging task for even the most seasoned audio professionals. Understanding this, the TouchMix design team put their decades of live sound experience into creating a mixer that delivers great results quickly and easily, whatever the situation. From setting up the most basic instrument or vocal channel to optimizing dynamics and processing to tackling complex monitor routing, TouchMix makes it all fast and easy for professionals and novices alike.

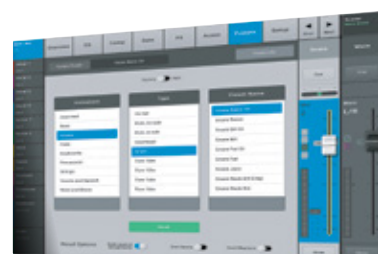


Simple Mode

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

Advanced Mode

For more experienced users, Advanced Mode offers complete access and control to the mixer's suite of dynamics and processing functions.



Channel Presets

Developed in real-world settings by live sound engineers with decades of experience, the extensive Channel Preset Library offers remarkably accurate and infinitely useable settings for the most commonly used instruments and mics. Used as-is or as a starting point, Channel Presets help users of all levels achieve a great mix quickly and easily.



Live sound. Studio grade.

With class-A microphone preamps and pristine audio quality throughout the signal chain, TouchMix delivers quality results both live and in the studio.

Studio-Grade Effects Processors

TouchMix onboard effects rival the world's most sophisticated (and expensive) outboard processors. The TouchMix-30 Pro has six high-quality effects processors while the TouchMix-8 and -16 each have four. All effects processors can be utilized simultaneously without giving up channels or Auxes. You can choose from two types of reverb, chorus, pitch change, mono or stereo delay. There's even an Effects Wizard that helps you choose the right effect and apply it where you need it.

Live Multi-Track Recording/Playback

TouchMix can record all inputs plus a Main or Aux Stereo mix directly to an external USB hard drive without a computer. On playback, tracks can be mixed down or combined with live inputs as live performance tracks. The free TouchMix DAW utility assists with importing tracks into PC or Mac® DAW (Digital Audio Workstation) software as well as exporting DAW tracks for playback on TouchMix.

DAW Interface

The TouchMix-30 Pro provides a 32 x 32 DAW interface for macOS® and Windows® DAW applications.



Powerful "Big Console" Features

Don't be fooled by its size. TouchMix is one of the most capable mixing products ever created.



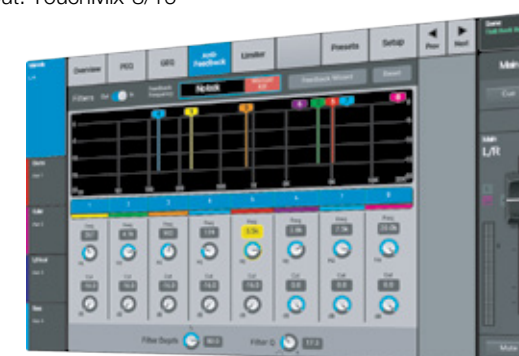
Real-Time Analyzer

The TouchMix-30 Pro includes two real-time analyzers (RTA). One RTA may be displayed along with the equalizer of any currently selected input or output channel. A second, independent RTA may be assigned to display the audio signal of any output, the Cue buss or the Talkback microphone input. TouchMix-8/16 models include a single RTA.



Room Tuning Wizard

The TouchMix-30 Pro Room Tuning Wizard assists the user in adjusting EQ and fine-tuning a loudspeaker system to an acoustical space.



Anti-Feedback Wizard

The TouchMix Anti-Feedback Wizard automates the process of "ringing out" the system while also offering full manual control and override during performances.



Touch-and-Route Patch Matrix

The Patch Matrix (TouchMix-30 Pro only) provides easy "multing" and rearrangement of inputs to mixer channels, helping to simplify complex routing schemes.



Automatic Microphone Mixer

The TouchMix-30 Pro Automatic Microphone Mixer reduces feedback and extraneous noise when mixing conferences, panels and other events with multiple talkers. It is a gain sharing design available on all 24 Mic/Line input channels (requires firmware version 1.3 or higher).



TouchMix-30 Pro

The flagship of the TouchMix Series, TouchMix-30 Pro is perfect for production professionals, musicians and bands as well as live performance venues. Its 32 mixing channels (24 Mic/Line, 6 Line, Stereo USB) and 16 outputs offer tremendous signal routing flexibility for a wide range of applications.



TouchMix-16

The TouchMix-16 offers a full suite of professional, results-oriented features and incredible sound quality. Its 22 mixing channels (16 mic/line / 2 stereo line / stereo USB inputs) make it the perfect choice for those who don't need the higher channel count of the flagship TouchMix-30 Pro.



Included carry-case and Wi-Fi dongle



TouchMix-8

Designed for low channel count applications, the TouchMix-8 (14 mixing channels — 8 mic/line / 2 stereo line / stereo USB inputs) offers the incredible power and sound quality of its larger siblings in our smallest form factor mixer. A perfect choice for solo and small combo performers, AV professionals or as a drum/keyboard sub-mixer, the TouchMix-8 offers amazing performance, flexibility and value.



Included carry-case and Wi-Fi dongle

TouchMix Accessories

TMR-1 Rack-Mounting Kit for TouchMix-8/16



TouchMix-30 Pro Tablet Support Stand (tablet not included)



TouchMix-30 Pro Tote

TouchMix-30 Pro Dust Cover



Rack-Mounting Kit for TouchMix-30 Pro

Specifications	TouchMix-30 Pro	TouchMix-16	TouchMix-8
Display	10" (254 mm) diagonal, 1024 x 600 pixel, color TFT, capacitive multi-touch sensing	7" (178 mm) diagonal color TFT, capacitive touch sensing	7" (178 mm) diagonal color TFT, capacitive touch sensing
Inputs			
Total	32	22	14
Mic/Line	24 (20 XLR, 4 XLR combo)	16 (12 XLR, 4 XLR combo)	8 (4 XLR, 4 XLR combo)
Line	6 (balanced, 1/4" TRS + top panel 1/8" (3.5 mm) stereo)	2 Stereo, 1/4" TRS	2 Stereo, 1/4" TRS
Stereo USB	Stereo USB / MP3 playback	Stereo USB / MP3 playback	Stereo USB / MP3 playback
Talkback	1 (XLR, 48 V)	1 (XLR)	N/A
Input Channel Processing			
EQ	4-band Parametric EQ with Hi/Low Shelving option, Variable 24 db/octave HPF and LPF	4-band Parametric EQ with Hi/Low Shelving option, Variable 24 db/octave HPF and LPF	4-band Parametric EQ with Hi/Low Shelving option, Variable 24 db/octave HPF and LPF
Dynamics	Gate, Compressor	Gate, Compressor	Gate, Compressor
Delay	Delay (100 msec max)	Delay (100 msec max)	Delay (100 msec max)
Automatic Microphone Mixer	Gain sharing, 24 channels, 2 auto mixers (requires firmware version 1.3 or higher)		
Outputs			
Total	16	12	6
Main L/R	2 (XLR line-level)	2 (XLR line-level)	2 (XLR line-level)
Aux	14 (XLR, line-level)	6 (XLR, line-level) + 2 (TRS, stereo In-Ear Monitor or mono balanced line-level)	4 (XLR, line-level)
in Ear Monitor (Stereo)	2 (TRS, 16 ohm min. impedance, from Auxes 11/12 and 13/14)	2 (TRS, 16 ohm min. impedance, from Auxes 7/8 and 9/10)	1 (TRS, 16 ohm min. impedance, from Auxes 3/4)
Cue	2 (Stereo, TRS, line or headphone, 16 ohm min. impedance)	1 (Stereo, TRS, line or headphone, 16 ohm min. impedance)	1 (Stereo, TRS, line or headphone, 16 ohm min. impedance)
Monitor L/R	2 (Stereo, XLR)	1 (Stereo TRS, line or headphone, 16 ohm min. impedance)	N/A
Output Channel Processing			
EQ	1/3 octave Graphic EQ (Main L/R, Auxes 1-6), 6-band Parametric EQ, Variable High- and Low-Pass Filters	1/3 octave Graphic EQ (Main L/R, Auxes 1-6), 6-band Parametric EQ, Variable HPF and LPF	1/3 octave Graphic EQ, 6-band Parametric EQ, Variable HPF and LPF
Anti-Feedback Filters	12-band Anti-Feedback Filters	8-band Anti-Feedback Filters	8-band Anti-Feedback Filters
Dynamics	Compressor / Limiter	Limiter	Limiter
Delay	100 msec	100 msec	100 msec
Recording / Playback¹			
Multi-Track	32 x 32 tracks direct to hard drive	22 x 22 tracks direct to hard drive	14 x 14 tracks direct to hard drive
DAW	32 x 32 tracks (Mac OS® and Windows®)	N/A	N/A
MP3	Stereo USB / MP3 playback	Stereo USB / MP3 playback	Stereo USB / MP3 playback
Groups			
DCA	8 (with Mutes)	8 (with Mutes)	8 (with Mutes)
Mute	8	8	8
Sub Groups	8 (with 6-band Parametric EQ, HPF and LPF, Limiter)	N/A	N/A
Cue	Selectable. AFL, PFL, Solo in Place	Selectable. AFL, PFL	Selectable. AFL, PFL
Effects	6 simultaneous, professional effects engines including Reverb, Echo, Delay, Chorus, Pitch Shift	4 simultaneous, professional effects engines including Reverb, Echo, Delay, Chorus, Pitch Shift	4 simultaneous, professional effects engines including Reverb, Echo, Delay, Chorus, Pitch Shift
¹ Pitch Correct (assignable to any mono input channel)	1 Pitch Correct (assignable to any mono input channel)	1 Pitch Correct (assignable to any mono input channel)	1 Pitch Correct (assignable to any mono input channel)
Real Time Analyzer (RTA)	2 (1/3 octave, assignable to channels or user selectable source)	1 (1/3 octave, assignable to channels or user selectable source)	1 (1/3 octave, assignable to channels or user selectable source)
Preset Memory	99 User Scenes, 120 Factory Presets, 99 User Presets	99 User Scenes, 120 Factory Presets, 99 User Presets	99 User Scenes, 120 Factory Presets, 99 User Presets
Digital Connections	2 USB A connectors, 1 USB B connector, 1 RJ-45 port (connection for Wi-Fi router)	2 USB A connectors	2 USB A connectors
External Control²	TouchMix-30 Control App for iOS® and Android™ devices controls all mixer functions via Wi-Fi.	TouchMix-8/16 Control App for iOS™ and Android™ devices controls all mixer functions via Wi-Fi	TouchMix-8/16 Control App for iOS® and Android devices controls all mixer functions via Wi-Fi
Wi-Fi³	Requires external ethernet Wi-Fi router (recommended) or USB Wi-Fi adaptor ³ (not included)	USB Wi-Fi adaptor (included) or external Wi-Fi router (requires USB to ethernet adaptor)	USB Wi-Fi adaptor (included) or external Wi-Fi router (requires USB to ethernet adaptor)
Dimensions (HWD)			
Shipping	12 in X 23.7 in X 19.5 in (30.5 cm X 60.3 cm X 49.5 cm)	4.75 in x 24.5 in x 15 in (12 cm x 62 cm x 38.1 cm)	4.5 in x 20 in x 16.5 in (11.4 cm x 50.8 cm x 42 cm)
Mixer only	7.5 in X 16.9 in X 18.1 in (19 cm X 42.9 cm X 46 cm)	2.3 in x 14.2 in x 11.5 in (5.8 cm x 36 cm x 29.1 cm)	2.2 in x 13.1 in x 9.6 in (5.6 cm x 33.3 cm x 24.5 cm)
Weight			
Shipping	25.2 lb (11.4 kg)	11 lb (4.9 kg)	10.7 lbs (4.9 kg)
Mixer only	17.5 lb (7.9 kg)	5.9 lb (2.98 kg)	4.3 lb (1.95 kg)
Power Requirements	85 W, 100-240 VAC, 50-60 Hz	42W, 100-240 VAC, 50-60 Hz	42W, 100-240 VAC, 50-60 Hz
Sampling Frequency	Selectable 44.1 kHz or 48 kHz	Selectable 44.1 kHz or 48 kHz	Selectable 44.1 kHz or 48 kHz
Internal Processing	32-bit floating point	32-bit floating point	32-bit floating point
THD	<0.005%, +4 dBu; 20 Hz-20 kHz, unity gain, any input to any output	<0.005%, +4 dBu; 20 Hz-20 kHz, unity gain, any input to any output	<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	20 Hz-20 kHz +/-0.5 dB, any input to any output	20 Hz-20 kHz +/-0.5 dB, any input to any output
Dynamic Range	105 dB	105 dB	105 dB
Equivalent Input Noise	-126 dBu	-126 dBu	-126 dBu
Residual Output Noise	-86 dBu	-86 dBu	-86 dBu
Crosstalk	-80 dB	-80 dB	-80 dB
S/N Ratio	-94 dB	-94 dB	-94 dB
Gain (Mic Inputs)	75 dB (60 dB analog, 15 dB digital)	75 dB (60 dB analog, 15 dB digital)	75 dB (60 dB analog, 15 dB digital)
Maximum Input Level	+16 dB (XLR mic/line inputs), +26 dB (TRS mic/line inputs), +24 dBu (TRS line inputs), 0 dBv (top panel 1/8" stereo input)	+16 dBu (Mic/Line inputs, XLR), +26 dBu (Mic/Line inputs, TRS), +22 dBu (Stereo inputs)	+16 dBu (Mic/Line inputs, XLR), +26 dBu (Mic/Line inputs, TRS), +22 dBu (Stereo inputs)
Maximum Output Level	+22 dBu (all line-level outputs)	+22 dBu (all line-level outputs)	+22 dBu (all line-level outputs)
Phantom Power	48 V, mic and talkback inputs, individually switchable	48 V, all mic inputs, individually switchable	48 V, all mic inputs, individually switchable
Included Accessories	Power cable	USB Wi-Fi adapter, soft carrying case, power supply	USB Wi-Fi adapter, soft carrying case, power supply
Optional Accessories	TouchMix-30 Pro Cover (Dust cover) TouchMix-30 Pro Tote (Soft, padded tote) TMR-2 (Rack mount kit) TS-1 (Tablet support stand)	TMR-1 (Rack kit)	TMR-1 (Rack kit)
Regulatory Approvals	UL, CE, FCC (Class B), RoHS	UL, CE, FCC (Class B), RoHS	UL, CE, FCC (Class B), RoHS

¹ A list of drives that have been validated by QSC may be found at qsc.com. The hard drive market is continuously changing. There are many drives QSC has not validated that are compatible with TouchMix multi-track recording. Always test external drives for compatibility before using. Minimum requirement is USB 3.0 SSD (recommended) or minimum 7800 RPM hard drive, FAT32 format.

² The TouchMix Personal Monitor App requires iOS 8 or higher.

³ TouchMix mixers do not support off-the-shelf USB Wi-Fi adaptors. Only QSC part number CP-000033-00 is supported.

