



TouchMix-30 Pro

Features

- 32 inputs (24 mic/line, 6 line, 1 stereo USB playback).
- 10" (diagonal) color, multi-touch capacitive touch screen graphical user interface combined with hardware controls for fast and intuitive operation.
- Intuitive Work Flow — simple for the novice; fast for the professional.
- Over 120 Live Sound Channel Presets for a wide range of sources and instruments.
- Anti-Feedback; Room Tuning; Gain and Effects Wizards.
- 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 12-band Notch Filters.
- Eight Sub-Groups with 6-band full Parametric EQ, variable High- and Low-Pass Filters and Limiter. May be linked for stereo.
- 8 DCA groups; 8 Mute groups; 8 subgroups.
- Two built-in Real Time Analyzers (RTA).
- Six professional quality Stereo DSP Processors plus a Pitch Corrector.
- 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.
- Monitor mixes: 14 mono mixes, may be paired for stereo. Two pairs of the Auxes can drive wired in-ear monitors (IEM) directly.
- Records and plays back multi-track wave files (32 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® computers.
- Remote control via mobile devices over Wi-Fi.
- Rack-mountable with optional Accessory Kit.

A remarkable new standard for performance in a compact digital mixer, the TouchMix-30 Pro has the features and functionality that will satisfy the most demanding professional while also providing an intuitive workflow that delivers great results, quickly and easily, to users at every level of experience.

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 management flexibility for a wide range of applications.

TouchMix "Pro" Features

Far more than simply a higher channel count version of the TouchMix-8 and TouchMix-16, The TouchMix-30 Pro offers a host of additional, new "Pro" features including:

- Large (10-inch) multi-touch touchscreen offers more on-screen information while also providing greater hands-on control
- Anti-Feedback and Room Tuning Wizards simplify complex equalization tasks
- Two real-time analyzers (RTA) provide instantaneous display of channel tonal balance and room response
- Touch-and-route Patch Matrix for easy "multing" and rearrangement of inputs
- Eight sub-groups with 6-band full parametric EQ, variable high- and low-pass filters and limiter may be linked for stereo
- 32-channel direct-to-hard drive record/playback capture and recall performances without the need for a computer
- 32-Channel DAW interface with Mac® computers allows for bidirectional I/O with popular workstation software
- MP3 playback direct from USB

More of Everything

Additionally, the TouchMix-30 Pro offers even more of what you would expect and demand from a TouchMix Series mixer:

- 24 class-A microphone preamps deliver pristine, studio-quality audio
- Over 120 live instrument, microphone and other audio source presets created in live environments provide mix-ready channel settings
- All outputs feature 1/3 octave graphic equalization and 6-band parametric EQ plus limiters, delay and 12-band notch filters
- 14 mono mixes may be paired for stereo while two pairs of Auxes can drive wired in-ear monitors (IEM) directly
- Six stereo effects processors plus pitch-correct offer studio-grade signal enhancements, without sacrificing Auxes or additional channels



Shown with optional Tablet Support Stand and iPad® (not included)

Audio Quality

With professional-grade, class-A microphone preamps, top quality converters and attention to design detail throughout the signal path, the TouchMix-30 Pro delivers pristine audio quality that rivals mixers at several times its cost.

Usability

Modern digital mixing consoles are all fully featured — sometimes to the point of being nearly incomprehensible to all but the most experienced operator. 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 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.



TouchMix Control App for iOS® and Android™ devices

Presets

The TouchMix-30 Pro contains 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 in live venues 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 of music and speech. Even the most experienced operators will find that these presets let them get a great mix together in record time.

Wizards

An Anti-Feedback Wizard helps the operator “ring out” a system using the 12 adjustable notch filters which are available on all 16 outputs. A Room Tuning Wizard assists the operator in adjusting equalization and fine tuning a loudspeaker system to an acoustical space. An Effects Wizard guides the user through the selection and assignment of appropriate effects from the six onboard effects processors — each carefully built and tuned to deliver the character and quality of sound live sound engineers depend on. Finally, the Gain Wizard continuously monitors and displays input clipping indicators along with providing guidance on properly setting gain trim.



The TouchMix-30 Pro's Anti-Feedback Wizard is just one of its many powerful time-saving tools

Copy and Paste

A Copy And Paste function makes it easy to copy the settings of an EQ, compressor, gate, a complete channel or even a complete mix and paste it where you want it as easily as you would in your favorite word processor.

Scenes

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.

Real Time Analyzers (RTA)

There are two real time analyzers (RTA) on board the mixer. 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. Both analyzers may be displayed on the mixer's screen or on an external tablet device.



Abundant, Flexible Aux Mixes

Performers are increasingly demanding when it comes to monitor mixes. Not only do individual musicians want their own mix, but the use of in-ear monitors (IEM) is increasing, driving a need for stereo Aux mixes. To meet this requirement, the TouchMix-30 Pro offers 14 Aux busses. All Aux busses may be linked for stereo operation and mixes 11/12 and 13/14 include additional outputs that can drive wired in-ear monitors directly.

Multi-Track Recording

The TouchMix-30 Pro is capable of recording 32 tracks of audio directly to an external USB hard drive – no computer required. All inputs plus a stereo mix are created in 32-bit Broadcast Wave format. Tracks can be played back and mixed down on the mixer or imported into most DAW software for over-dubs and post production.

Compact and Complete

Because of its unique and powerful touch screen user interface, the TouchMix-30 Pro is a complete, fully-featured digital mixing console small enough to be carry-on luggage or rack mounted (with optional accessory kit). The multi-touch, graphic, color touchscreen 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-30 Pro Control App

Full wireless, remote mixer control from iOS and Android tablet devices over Wi-Fi is supported. Multiple devices can be deployed simultaneously to duplicate the mixer's features and allow control of all functions. If desired, the operator may limit a given device to control only specific mixes. Personal monitor mixing using iOS and Android smartphones is also supported, with app controls limited to mix levels only and, as with the tablet app, a device may be limited to specific mixes by the mixer operator.

Accessories

The following TouchMix-30 Pro accessories are also available:

- TouchMix-30 Pro Tote
- TouchMix-30 Pro Dust Cover
- TouchMix-30 Pro Rack Kit
- TouchMix-30 Pro Tablet Support Stand



TouchMix-30 Pro Tote

Groups

The TouchMix-30 Pro includes eight DCA and eight Mute groups as well as eight subgroups with Parametric EQ and compressors. Eight of the Aux busses can also function as mix-matrices with the main output and subgroups available in addition to the input channels.

DAW Interface

The TouchMix-30 Pro supports Core Audio and is capable of providing audio input and output to most DAW software running on Mac® computers.

TouchMix-30 Pro (top)

Gain Trim:
24 Class-A mic
pre-amps

10-inch
multi-touch
high resolution
touch screen

Instant, 1-button
access to frequently
used functions

Touch-and-turn
encoder for accurate,
positive control



6 line
inputs

TouchMix-30 Pro (rear)

For hard disc
recording,
Wi-Fi/router,
DAW, MP3

24 mic/line
inputs

2 stereo outputs
for wired in-ear monitors

16 outputs plus
stereo monitor output



TouchMix-30 Pro Specifications

Display	10" (254mm) diagonal, 1024 x 600 pixel, color TFT, capacitive multi-touch sensing
Inputs	32 Total - 24 Mic/Line, 20 XLR, 4 XLR combo - 6 Line, balanced, 1/4" TRS + top panel 1/8" (3.5 mm) stereo - 2 Stereo USB / MP3 playback
Input (Talkback)	1 XLR (48 v available)
Outputs	Main L/R: XLR line-level 14 Aux: XLR, line-level; May be paired for stereo Stereo In-Ear Monitor (2): TRS, (16 ohm min. impedance) from Auxes 11/12 and 13/14 Stereo Cue: TRS, (line or headphone, 16 ohm min. impedance) Monitor L/R: XLR, line-level
Digital Connections	2 USB A connector, 1 USB B connector, 1 RJ-45 (connection for Wi-Fi router)
Mic and Line Input Channel Processing	4-band Parametric EQ with Hi/Low Shelving Option, Variable 24 db/octave HPF and LPF, Gate, Compressor, Delay (100 msec max)
Output Channel Processing	1/3 octave GEQ, 6-band Parametric EQ, Variable High- and Low-Pass Filters, 12-band Variable Notch Filters; Limiter; Delay
Sub Group Processing	6-band Parametric EQ with High- and Low-Pass Filters, Limiter
Recording / Playback ¹	32 x 32 tracks direct to hard drive or DAW (Core Audio interface to Mac OS); Stereo MP3 playback
Groups	Eight DCA Groups (with mutes), Eight Mute Groups, Eight Sub Groups (may be linked in stereo pairs)
Cue	Selectable. AFL, PFL, Solo in Place
Effects	6 Simultaneous, Professional Effects Engines including Reverb, Echo, Delay, Chorus, Pitch Shift 1 Pitch Correct (assignable to any mono input channel)
Real Time Analyzer	2 x 1/3 octave. 1 assigned to the selected channel, 1 with user selectable source
Preset Memory	99 User Scenes, 120 Factory Presets, 99 User Presets
External Control ²	TouchMix Control App for iPad® and Android tablets controls all mixer functions via Wi-Fi. App runs on iOS® and Android smartphones.
Wi-Fi	Requires user supplied USB Wi-Fi dongle or external ethernet Wi-Fi router (recommended)
Dimensions (HWD)	Shipping: 12 in X 23.7 in X 19.5 in. (30.5 cm X 60.3 cm X 49.5 cm) Mixer only: 7.5 in X 16.9 in X 18.1 in. (19 cm X 42.9 cm X 46 cm) rack mountable with optional accessory
Weight	Shipping: 25.2 lb (11.4 kg) Mixer: 17.5 lb (7.9 kg)
Line Voltage / Input Power Requirements	85 W, 100-240 VAC, 50-60 Hz
Sampling Frequency	Selectable 44.1 kHz or 48 kHz
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
Gain	Microphone inputs: 75 dB (60 dB analog, 15 dB digital)
Maximum Input Level	+16 dB (XKR mic/line inputs), +26 dB (TRS mic/line inputs), +24 dBu (TRS line inputs), 0 dBv (top panel 1/8" stereo input)
Maximum Output Level	+22 dBu (all line-level outputs)
Phantom Power	48 v, all mic and talkback inputs, individually switchable per input
Optional Accessories	TouchMix-30 Pro Tote ; TouchMix-30 Pro Dust Cover; TouchMix-30 Pro Rack Kit; TouchMix-30 Pro Tablet Support Stand
Regulatory Approvals	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 the TouchMix-30 Pro. Always test external drives for compatibility before using. Minimum requirement is USB 3.0 HD, SSD or 7800 RPM, FAT32 format.

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

