



Mixer

TS-32M16



Description

Developed based on Linux operating system, no fear of viruses, safer and more stable operation, 10.1-inch 1280*800 high-definition touch display, Chinese and English operation interface, free switching, easier to use, shutdown parameters are automatically saved, no need to worry about data loss, total input/output: 76 signal inputs, 36 signal outputs, local input/output: 42 signal inputs (38 analog + 4 digital)

Features

- *33-channel TFT LCD guide display, channel name and background color can be customized (support Chinese).
- *MIC input gain adjustment (smooth digital gain, save to scene)
- *Mic input channel (Linked) odd-even modulation
- *+48V phantom power (MIC channels can be turned on and off independently, and can be saved to scenes)
- *Each input channel has built-in compressor, noise gate, phase, high-pass and low-pass filters, 5-band parametric equalizer, delay, channel sound and image balance adjustment
- *Channel parameter quick copy function
- *Each channel has a multi-function menu, mute and monitor
- *Each channel is equipped with 100MM electric faders (32+1 ALPS electric faders)
- *Independent physical fader control for input, output and effect channels
- *Each channel fader supports user-defined layer function
- *Two fader layer page turning buttons (input page turning, output and effect fixed faders, more convenient and quick operation)
- *8 customizable physical buttons
- *16 DCA groups, 16 mute groups, 8 matrices
- *Independent feedback suppressor management for each channel (32)
- *The whole machine has the processing capacity of 76 input signals and 36 output signals.
- *The network interface can support 32*32 tracks of recording and playback (need to purchase a network port virtual sound card)
- *Built-in signal generator (pink noise/sine wave/white noise), can be customized to output from any one or multiple output channels
- *Built-in real-time spectrum 96-segment RTA function (color editable)
- *Supports real-time backup of dual-machine synchronous data
- *Channel and scene editing supports Chinese input method
- *Integrated two sets of 32-channel automatic mixing function
- *With channel side chain compression and ducking function



- *Supports talkback function
- *Support MIDI interface input
- *AUX output (pre/post fader) can be set
- *Output channel processing: high and low pass filter, 15-band parametric equalizer, main output 31 bands (GEQ support through the control on the fader), compressor, delay, phase
- *USB 8*8 multi-track recording function
- *Support dual USB interfaces, built-in sound card (mobile phone, IPAD, MP3, PC direct playback, recording) USB interface: recording, playback, system upgrade (playback format APE, FLAC, MP3, WAV);
- *8 quick scene call modes, 100 scene storage, customizable scene names, support Chinese input, seamless scene switching without sound interruption, support USB import and export
- *4 independent stereo DSP effects processors are built-in locally, each of which has 20 preset effect modes for users to use directly
- *FX foot switch interface
- *Support USB mouse and panel lock to prevent misoperation
- *12V output interface, can be connected to external lighting equipment
- *One-click factory reset
- *Support RS232/TCP central control
- *Multi-operating system control software (IOS system, Android system, WINDOWS system, domestic Kirin system)
- *Support 100M Ethernet adjustment (or external router wireless adjustment)
- *10.1 inch 1280*800 HD capacitive touch display

Specification

Input	
Mic/Line input: 1-32 (local)	Balanced, XLR and 1/4 TRS jacks
Input sensitivity (XLR/TRS)	XTR1.5mv, TRS 7mv
Input analog gain	-32db to 10db, 0.6~0.7 step
Maximum input level (XLR/TRS)	+19dBu/+29dBu
Input impedance (XLR/TRS)	MIC > 5K, LINE > 10K
Mic input stereo link	have
Parameter links	Balance, dynamics, delay, distribution, sending
Polarity	Normal/Flip
Stereo line input	
ST1/ST2	3.5 Lotus socket
ST3 interface (digital)	USB audio streaming, USB MP3, AES
Input sensitivity	Nominal 4dB
Input analog gain	-32db to 10db, 0.6~0.7 step
Maximum input level	+29dB
Input Impedance	>7KΩ
Stereo link	have
Parameter link	Balance, dynamics, delay, distribution, sending
Polarity	Normal/Flip
Output	
Mix 1-14 AUX and left and right outputs (local)	Balanced, XLR, L/R, 14AUX
Output impedance	<75Ω
Nominal output	+4dbu = 0dB level meter reading
Residual output noise	=-91dbu
Mix insert	Assign FX to the mix channel
Dynamic range	112dB
Signal-to-noise ratio	XLR≥ 92db, TRS≥82db
Maximum output voltage	7VAC MAX
Distortion	< 0.0003% (1KhzFull Power)
Frequency Response	20HZ-20KHZ+/-0.5db
Sampling rate	48KHz ±100PPM
ADC/DCA	24-bit Delta-Sigma



FX	
Internal FX	4xFX Engine, Send > Return or Insert
Type	Reverb, delay, chorus, flanger, symphonic chorus, etc.
4 dedicated stereo FX returns	Fader, pan, mute, send to mix/LR, 5-band EQ
Internal FX	4xFX Engine, Send > Return or Insert
System	
Linux	Chinese and English language switching
Control	
Fader	33 ALPS 100mm electric
touchscreen	10.1" TFT, 1280*800 resolution
DCA grouping	8
Mute group	8
Network	TCP/IP Ethernet for PC and iPad applications
System upgrade	USB flash drive upgrade
Wired connection	Windows PC software connection, Kylin system
Wireless connectivity	Windows PC/iPad/android/Kirin
Input processing	
Input source	Local CH1-CH32, ST1/ST2 local ST3 digital
Equalizer	5-band parametric EQ, (20HZ--20KHZ)±12dB, Q0.3~15 adjustable
High and low pass	12db/24db,(BT/BS/LRK),20-20K
Noise gate	Pass-through switch
Threshold	-135db to -40db
Impact/Release	50us-300ms/10ms-5s
Compressor	Pass-through switch
Threshold ratio	-40db-+6db/1:1 to infinity
Remote extension	Supports connection of two interface boxes
Output processing	
Output channel	Main output L/R, 14AUX auxiliary output
Equalizer	15-31 segment parametric EQ, (20HZ--20KHZ) ±12dB, Q0.3~15 adjustable
High and low pass	12db/24db,(BT/BS/LRK),20-20KHZ
Compressor	Pass-through switch
Threshold ratio	-40db-+6db/1:1 to infinity
Delay	Maximum 320ms
USB	
Drive	Maximum 320ms
Equipment	Using a USB hard drive (USB drive)
Stereo recording	8 channels (wav/mp3) 48KHz 24
Stereo playback	8 channels (WAV/MP3) 32-96KHz, 16-24 bits
USB Audio	
Sound card	USB B
Send uplink	Stereo full format, 32KHz-96KHz 24-bit
Send downlink	Stereo, MP3, 48KHz, 24-bit
Dante	support
Automatic mixing	support
power supply	100-240VAC, 50-60H, 150W
Size	515*910*245 MM (length includes 6.35 input seat, width includes side panel, height includes machine feet; knobs are not included)
Packing size	1040*630*360MM
Net weight	18.25kg
Gross weight	23.5kg