



Feature:

- 1.14-inch channel TFT LCD guide display, channel name and background color can be customized (support Chinese).
- 2.MIC input gain adjustment (smooth digital gain, participate in saving to scene).
- 3.Mic input channel (Linked) odd-even adjustment.
- 4.+48V phantom power (MIC channels can be turned on and off independently, participate in saving to scene).
- 5.Mic input channel independent PAD attenuation switch.
- 6.Each input channel has built-in compressor, noise gate, phase, high and low pass filter, 5-band parametric equalization, delay, channel sound and image balance adjustment.
- 7.Channel parameter fast copy function.
- 8.Each channel is equipped with multi-function menu, mute and monitoring.
- 9.Channels are equipped with 100MM electric faders (33 ALPS electric faders).
- 10.Independent physical fader control of input, output and effect channels.
- 11.Each channel fader supports user-defined layer function.
- 12.Two fader layer page turning buttons (input page turning, output and effect fixed faders, more convenient and quick operation).
- 13.8 customizable physical buttons.
- 14.16 DCA groups, 8 mute groups.
15. Independent feedback suppressor management for each channel.
16. Built-in signal generator (pink noise/sine wave/white noise), customizable output from any one or more output channels.
17. Built-in real-time spectrum RTA function (color editable).
18. Support dual-machine synchronous data backup.
19. Channel and scene editing supports Chinese input method.
20. Integrated automatic mixing function.
21. Support talkback microphone (Talkback) function.
22. Support MIDI interface input.
23. AUX output (pre/post fader) can be set.
24. Output channel processing: high and low pass filter, 15-band parametric equalization, main output 31 bands (GEQ supports control on the fader), compressor, delay (350ms=119 meters per channel), phase.
25. USB 8*8 multi-channel playback and recording.
26. Built-in sound card (mobile phone, IPAD, MP3. PC direct playback and recording).

27. 8 quick scene call modes, 100 scene storage, Customizable scene names, support Chinese input, seamless scene switching, no sound interruption, support U disk import and export.
28. 4 built-in stereo independent DSP effects locally, preset multiple effect modes for users to use directly.
29. FX foot switch interface.
30. 12V output interface, can be connected to external lighting equipment.
31. One-click factory reset.
32. Support 232 central control.
33. Multi-operating system control software (IOS system, Android system, WINDOWS system, domestic Kirin system).
34. Support wired network port adjustment (or external router wireless adjustment).
35. 10.1-inch 1280*800 high-definition capacitive touch display.
36. Support Dante, automatic mixing.
37. Power supply: 100-240VAC, 50-60Hz, 150W.

Specification:

Input	
Microphone/line input	1-32 (local) balanced, XLR and 1/4 TRS jack
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	Yes
Parameter link	balance, dynamics, delay, distribution, send
Polarity	normal/flip
Stereo line input	
ST1/ST2	3.5 lotus jack
ST3 interface (digital)	USB audio stream, U disk 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	Yes
Parameter link	EQ, dynamics, delay, distribution, send
Polarity	Normal/Flip
Output	
Mix 1-14AUX and left and right output (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 mixing channel
Dynamic range	112dB
Signal-to-noise ratio	XLR≥ 92db, TRS≥82db
Maximum output voltage	4VAC 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
System	
Linux system	Chinese and English language switching
Control	
Fader	33 ALPS 100mm electric
Touch screen	10.1" TFT, 1280*800 resolution
DCA grouping	16
Mute grouping	8
Network	TCP/IP Ethernet for PC and ipad applications
System upgrade	USB flash drive upgrade
Wired connection	Windows PC software connection
Wireless connection	Windows PC/iPad/android/domestic Kirin system
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
Gate threshold	-135db to -40db
Impact/release	50us-300ms/10ms-5s
Compressor	pass-through switch
Threshold ratio	-40db-+6db/1:1 to infinity
Delay	maximum 20ms
Remote expansion	
expansion	Support two interface boxes to connect
Output processing	
Output channel	main output L/R, 14AUX auxiliary output
Equalizer	15-31 parametric EQ, (20HZ--20KHZ) ± 12dB, Q0.3~15 adjustable
High and low pass	12db/24db, (BT/BS/LRK), 20-20KHZ
Compressor	direct switch
Threshold ratio	-40db-+6db/1:1 to infinity
Delay	maximum 30ms
USB	
Driver	CH340 (USB A)
Device	Use a USB hard disk (U disk)
Stereo recording	2 channels (wav/mp3) 48KHz 24

Stereo playback	2 channels (WAV/MP3) 32-96KHz, 16-24 bits
USB audio	
Sound card	USB B
Send uplink	8 channels full format, 32KHz-96KHz 24-bit
Machine size/weight	
Length, width and height	910*515*245 MM (length includes 6.35 input seat, width includes side panel, height includes machine feet, excluding knobs)
Packing size	1040*630*360MM
Net weight	18.25kg
Gross weight	23.5kg