



Features

- 1.The device supports 32*32 Dante board network audio transmission expansion, and can simultaneously connect two stage interface boxes. It also supports 8*8 USB multitrack recording and playback.
- 2.Uplink transmission supports full stereo formats, 32kHz-96kHz 24-bit, while downlink transmission supports stereo MP3, 48kHz, 24-bit, meeting the audio signal transmission and reception needs in different scenarios.
- 3.The device features 32 microphone/line inputs, 2 sets of RCA stereo inputs, 1 set of 3.5mm stereo inputs, 1 set of digital inputs: sound card, MP3, AES inputs, and a MIDI interface.
- 4.The equipment has 32+1 100mm electric faders, supports customizable channel fader function and channel linkage function; input, output and effect channels are independently controlled by physical faders, and has side chain compression and avoidance function.
- 5.The device has 8 user-defined buttons and a built-in signal generator.
- 6.The device supports dual-machine synchronous data backup, integrates automatic audio mixing, and supports the Talback function.
- 7.The device supports Chinese input method for modifying scene mode names and channel names, 33 1.14-inch channel guide displays, and background color modification.
- 8.The device features four independent effects buses and a variety of preset effects libraries that users can customize, store, and recall.
- 9.The device supports integrated RTA real-time spectrum display, 16 DCA groups, 16 silent groups, and 8 matrices. It supports full-featured Wi-Fi control via PC, iPad, and Android APP.
- 10.The device can provide TCP/IP and RS-232 central control protocols to prevent accidental operation and lock the machine with one button.
- 11.The device supports dual USB ports for playback/recording; MP3 USB flash drive playback supports mainstream audio formats such as APE lossless audio, WAV, MP3, FALC, and APE, and can record to a USB flash drive; USB playback supports Chinese song file names, and all song names can be displayed on the screen/iPad/PC.
- 12.The device features a 10.1-inch 1280*800 high-definition capacitive touchscreen display that supports switching between Chinese and English languages.
- 13.Microphone gain and 48V must be digitally controlled, with storable state, 32 independent feedback suppression functions; each input channel must have an independent noise gate, limiter, high-pass and low-pass filter, 5-band PEQ, and delay processing.
- 14.The device has 64 full-processing input channels and 32 full-processing output channels; each output channel supports high-pass and low-pass filtering, 15-31 segment parametric equalization (GEQ supports control via faders), compressor, delay, and phase.
- 15.The device runs on Linux and supports switching between Chinese and English languages. It connects wirelessly to Windows PCs/iPads/Android devices/Kylin OS. It also supports wired connections to Windows PCs via software and the Kylin OS.
- 16.Stereo recording 8 channels (wav/mp3) 48KHz 24; Stereo playback 8 channels (WAV/MP3) 32-96KHz, 16-24 bit.



- 17.The ST3 interface supports USB audio streaming, USB flash drive MP3 playback, and AES digital audio format, enabling seamless connection to modern digital audio devices for high-quality audio transmission and playback, adapting to the trend of digital audio production and playback. ST1/ST2: 3.5mm RCA connectors.
- 18.The device is equipped with four dedicated stereo FX return channels, each with fader, panning, mute, send to mix/LR, and 5-band EQ functions, allowing for fine control and adjustment of the FX return signal to ensure perfect integration of effects with the main audio and improve the overall mixing effect.
- 19.The device supports the Dante network audio transmission protocol, allowing for easy access to Dante network systems.
- 20.The device has 20 signal outputs (main outputs L, R, 14 AUX1-14 auxiliary outputs, 1 headphone monitoring output, and AES output).
- 21.The device has a 100m Ethernet control port and supports dual USB interfaces (sound card/MP3 playback/system upgrade).
- 22.The device has four quick scene mode recall buttons, 100 scene modes can be stored and recalled, and it supports import and export via USB flash drive.
- 23.The device features 1-32 local balanced inputs, using XLR and 1/4 TRS jacks to meet the connection needs of various audio devices, from professional microphones to musical instruments, providing convenience for complex and diverse audio input scenarios.
- 24.The device's input channels are equipped with a 5-band parametric EQ, while the output channels have a 15-31 band parametric EQ, covering a frequency range of 20Hz-20kHz, a gain adjustment range of $\pm 12\text{dB}$, and an adjustable Q value of 0.3~15. This allows for fine-tuning of audio to meet the equalization needs of different audio styles and scenarios, easily handling music production, live performances, and studio mixing.

Specification

Frequency response	20Hz-20kHz +/- 0.5dB.
Dynamic range	112dB
Input source	Local CH1-CH32, ST1/ST2 local ST3 digital
Output interface	Equipped with 14 AUX auxiliary outputs, it can simultaneously meet the audio output needs of various scenarios, such as main sound reinforcement, stage monitoring, and recording, greatly improving the applicability of the device in different situations.
Input sensitivity (XLR/TRS)	XLR 1.5mv, TRS 7mv
Input analog gain	-32dB to 10dB, in steps of 0.6 to 0.7.
Maximum input level (XLR/TRS)	+19dBu/+29dBu
Input impedance (XLR/TRS)	MIC > 5K, LINE > 10K
Product Dimensions	515×245×910 mm
Noise gate	Straight-through switch
Built-in 4xFX engine	It offers a variety of FX types, including reverb, delay, chorus, flanger, and symphonic chorus, which can add rich special effects to audio and create audio atmospheres for different scenarios, such as simulating the reverb effect of different spaces and increasing the layering of chorus, to meet the needs of audio special effects in various scenarios such as music creation and live performance.
Distortion	<0.0003% (1kHz FullPower)
Input/output high/low pass	12db/24db,(BT/BS/LRK),20-20KHZ
Equalizer	15-31 segment parametric EQ, (20Hz--20kHz) $\pm 12\text{dB}$, Q0.3~15 adjustable
compressor	Straight-through switch
Nominal output	+4dbu=0dB level meter reading
Remaining output noise	-91dbu
Signal-to-noise ratio	XLR $\geq 92\text{dB}$, TRS $\geq 82\text{dB}$
Employs 24-bit Delta-Sigma analog-to-digital/digital-to-analog conversion technology	Ensuring high fidelity of audio signals during digital processing accurately restores audio details, providing a fundamental guarantee for high-quality audio production.
Output impedance	<75 Ω
Input sensitivity	Nominal 4dB
Input analog gain	-32dB to 10dB, in steps of 0.6 to 0.7.
Maximum input level	+29dB
Product weight	18.25kg
Delay	Maximum 320ms
drive	CH340 (USB A)
Impact/Release	50us-300ms/10ms-5s
Mixing 1-14 AUX and Left/Right Outputs (Local)	Balanced, XLR, L/R, 14AUX
Mix Insert	Assign FX to the mixing channel



Mixer

TF-ESXB

Maximum output voltage	7VAC MAX
network	TCP/IP Ethernet for PC and iPad applications
System upgrade	USB flash drive upgrade
Threshold ratio	-40db-+6db/1:1 to infinity
Output Channel	Main output L/R, 14 AUX auxiliary output
Input impedance	>7KΩ
Parameter link	Balanced, dynamic, delayed, allocated, sent
Gate threshold	-135dB to -40dB