



Description

It adopts dual DSP high performance digital signal processor, accurate 450MHz/40 bit floating point arithmetical operation, 24bit/48KHz high performance ADC/DAC, and 114dBtyp. dynamic range. Highlight every detail of the sound to show rich sound effects.

Feature

- * Input: including 16 channels of Mic/Line CNC gain analog audio processor (XLR female plug and 1/4" TRS combined input interface), 2 channels of stereo input, 1 channel of USB Media (U disk or Bluetooth audio) stereo.
- * Output: including 8 AUX output interfaces, 4 MTRX interfaces, 1 Main L/R interface (all of them are XLR male interfaces, differential balanced output), 1 USB stereo recording, 1 stereo monitoring.
- * All Mic/Line input channels adopt professional-level high-quality microphone amplifiers: high dynamics, low distortion, and CNC 63-level analog gain, which can easily meet your requirements and achieve good signal matching.
- * All Mic / Line input channels can be configured: 48V phantom power, polarity switching (Pol.), noise gate (Gate), compressor (Comp), four-band parametric frequency equalization (PEQ) / with high and low filters, High-pass filter (HPF), low-pass filter (LPF).
- * All channel configurations support adjustment functions: Graphical frequency equalization (GEQ), delay (Delay) four-band parametric frequency equalization (PEQ) / including high and low filters, high pass filters (HPF), low pass filters (LPF), compressor (Comp).

- * Configure 4 professional DSP effector (FX), 6 types of effects: Chorus, Echo, Flanger, Pitch-Shift, Reverb, Stereo Delay, a total of more than one hundred effect presets.
- * The equipment has the wizard function, information indication and scene configuration (Scenes), preset loading (Presets) and parameter copy (Copy to) and other functions, to help users easily complete channel configuration, gain setting, effector selection and so on. User scene memory (Scenes) and preset loading (Presets) can be stored or invoked from the internal or external U disk of the mixer.
- * It has 8 MUTE Groups and 12 DCA volume groups.
- * It has the function of automatically eliminating the "pop" sound of switching on and off, and has a complete full-voltage working range (85Vac ~ 240Vac), and no annoying switching shock.
- * Support MP3, AAC, WAV, AIFF, APE or FLAC file format USB Media broadcast; directly use an external U disk to record without an external computer.
- * Connect to the Bluetooth of the mobile phone. The mixer has a USB Bluetooth interface, plug and play; connect your device at any time, and realize wireless music playback.
- * Illuminated physical touch switch, intelligent electric fader. With the color capacitive touch screen, the user graphical operation interface and the hardware physical buttons, the operation is more intuitive and convenient.
- * The 1.44" color TFT guide screen provides real-time channel parameter information. The contents that can be modified on the screen: channel name; support bilingual mixing of Chinese and English; 9 channel colors are optional; preset a lot of channel icons.



- * Humanized appearance design, 9 kinds of true-color LED lights with adjustable brightness, and automatic update of scene switching parameter settings.
- * With (Gate/Comp./PEQ/PAN/Gain) 5 channel parameters, each channel parameter is associated with an external physical knob, and the software interface automatically switches. The software interface supports dual modes: channel parameter overview and parameter full-screen display, displaying global overview and parameter fine-tuning simultaneously.
- * Powerful routing setting function, input channel sending mode. Whether on the input channel page or the routing setting page, you can quickly assign the volume.
- * Equipped with 6 scene mode buttons, you can quickly invoke new scenes by pressing the mode button.
- * The output channels of AUX1~AUX8 support automatic mixing function, and the input channels include microphones of CH01 ~ CH16. Equipped with intelligent algorithms for weight distribution and gain sharing.
- * The ISUeasy™ remote firmware upgrade function supports a comprehensive upgrade of the system by booting the upgrade package data from the USB port (including the MCU program).
- * The central control can remotely control the network port or WIFI hotspot of the device through ASCII language programming, with a flexible and extensible syntax structure.



Specification

Main screen	6.1" x 3.5" (156mm x 90mm), 7" HD color TFT LCD screen, capacitive touch screen, support 800*480 resolution
Channel guide screen	1.44" color TFT LCD screen, 13Pcs
Flashlight	One-piece built-in, LED true color, optional 9 colors, adjustable brightness
Fader	100mm electric intelligent control, accuracy = 1024 gears, +10dB to -60dB /-∞All electric fader
Audio input	16 Mic / Line (XLR / TRS composite balanced interface), 2 stereo LineIN (TRS balanced interface), 1 stereo USB disk or Bluetooth playback
Audio output	8 MIX bus output (XLR balanced interface) 4 MTRX bus output (1/4" TRS balanced interface) 1 stereo Main-Out L/R (XLR balanced interface) 1 stereo USB disk recording 1 stereo monitoring (1/4" TRS stereo jack, 16Ω minimum impedance earphone)
Input channel processing	Numerically controlled analog gain adjustment Gain, polarity adjustment, pre-fader/post-fader and other 4-position audio source selection, 4-band parametric equalization (PEQ), high-pass filter, low-pass filter, noise gate, compressor
Output channel processing	15-band graphic equalizer (GEQ), high-pass and low-pass filters, 4-band parametric equalization (PEQ), compressor, delay (500ms maximum)
Recording function	Stereo dual-channel recording, select a group of 5 stereo bus outputs of Main-L/R and MIX1/MIX2, MIX3/MIX4, MIX5/MIX6, MIX7/MIX8 as the recording source
Group	12 DCA groups (with mute), 8 Mute Groups
Effect	4 professional effector: Chorus, Echo, Flanger, Pitch-shift, Reverb, Stereo Delay, a total of six types of effect processing, 60 factory presets (FX Presets), convenient and easy-to-use user presets
Presets	Mixer presets: factory and user presets include all mixer parameters; stored or uploaded to the mixer internally and from a USB flash drive. Channel presets: User channel presets can be stored or uploaded to the mixer internally and from a USB flash drive
Scene mode	6 scene shortcut keys: save, delete, invoke, export and import scenes
Wi-Fi	USB Wi-Fi adapter is included.
Bluetooth	The USB Bluetooth adapter is included.
Sampling frequency / quantization bit	48kHz / 24bit
Signal delay	Less than 3.3 milliseconds, from any input to output
Frequency response FR	+/- 0.1dB (20 Hz ~ 20 kHz@+4dBu input, differential balanced input/output, from MIC/Line input to AUX output, input gain=0dB, other level gain=0dB)
THD+N	Less than 0.03% (20 Hz ~ 20 kHz@+4dBu input, differential balanced input/output, from MIC/Line input to AUX output, input gain=0dB, other level gain=0dB) Less than 0.009% (1 kHz@+4dBu input, differential balanced input/output, from MIC/Line input to AUX output, input gain=0dB, other level gain=0dB)
SNR	Better than 95dB (differential balanced input/output, from MIC/Line input to AUX output, input gain=0dB, other level gain=0dB, input level makes the device reach the maximum output without distortion)
Equivalent input noise	-125dBu typ. (Differential balanced input/output, from MIC/Line input to AUX output, input gain=Max, other level gain=0dB)
Redundant output noise	-90dBu typ. (Differential balanced input/output, from MIC/Line input to AUX output, all input gain=Min, other level gain=0dB, no signal input state)
Dynamic range DR	114dB typ., DA converter Better than 97dB (differential balanced input/output, from MIC/Line input to AUX output, input gain=Min, other level gain=0dB, input level makes the device reach the maximum output without distortion)
Crosstalk@1kHz	Better than -110dB (differential balanced input/output, from adjacent MIC/Line input to adjacent AUX output, input gain=0dB, other level gain=0dB, input level makes the device reach the maximum output without distortion)
Working voltage and power consumption	85Vac ~ 240Vac, 50 ~ 60 Hz, 50WMAX
Working temperature	0°C to 40°C
Size (L×W×H)	550mm×553mm×206mm
Net weight	6.3kg