



Function Description::

- 1.Comprehensive matrix mixing capabilities, 24-bit/48 kHz sampling rate, high-performance A/D and D/A converters, and a 32-bit floating-point DSP processor;
- 2.DSP audio processing with built-in automatic mixing console, featuring mixing and automatic mixing functions, along with component control capabilities. Also includes feedback suppression, echo cancellation, and noise reduction modules.
- 3.Input per channel: preamp, signal generator, expander, compressor, 5-band parametric equalizer;
- 4.Output per channel: 31-band graphic equalizer, delay unit, crossover, limiter;
- 5.Each channel can be independently assigned a Chinese name;
- 6.Test signal generator, sine wave, pink noise, white noise, with selectable frequency and level;
- 7.Input phase switch, mute switch, phantom power switch;
- 8.Per-channel output mute switch, phase switch;
- 9.Flexible switching between Chinese (Simplified), Traditional Chinese, and English;
- 10.Display all functional modules with one click;
- 11.Randomly store Chinese help documentation and software;
- 12.Randomly generated central control code; Automatic power-off memory protection; One-touch reset function;
- 13.Channel copy, paste, and linked control functions;
- 14.A single host allows up to 10 users to manage it, and usernames can be set in Chinese.
- 15.Device names can be modified and support Chinese characters.
- 16.Editable preset modes: create, delete, modify, and initialize with one click. Preset modes can be saved to a computer and restored with one click.
- 17.Input and output channels can be independently configured with color settings and a one-touch reset switch.
- 18.Features camera tracking functionality, enabling independent preset position adjustment for a single camera;
- 19.Convenient and efficient web control: Built-in web controller enables quick operation across Windows, Android, iOS, and other platforms.
- 20.Ethernet multi-purpose data transmission and control port supports real-time management of single and multiple devices;
- 21.An intuitive, visually appealing, and easy-to-stand graphical software control interface delivers a fast, real-time operating experience for customers.
- 22.The device requires no installation discs, as it comes with built-in installation software. Each device is paired with a single software version, eliminating the hassle caused by lost installation discs and confusion from multiple software versions.
- 23.The expandable USB port not only enables device upgrades but also supports USB music playback and recording functions.
- 24.Supports 8 to 100 preset scene groups;
- 25.Intuitive, graphical software control interface compatible with operating systems including XP/Windows 7, 8, and 10;
- 26.High-speed DSP processing chip with a 450MHz FLOPS DSP processing core;Built-in 2x150W digital amplifier module;

Technical specifications:

Model	LB-8624T
Maximum input quantity	2-channel wireless microphone + 8-channel balanced microphone/line input
Maximum output quantity	8-channel balanced output
Number of 232 serial ports	1
Number of RS-485 serial ports	0
Number of GPIOs	0
Number of RJ45 ports	1
Number of USB ports	1. Supports recording and playback
Maximum Analog Gain	51dB
Phantom Power	48V
Input/Output Quantization	48KHz/24bit
Digital-to-Analog Dynamic Range (A-weighted)	120dB
Common-mode rejection	70dB @80 Hz
Input impedance	20kΩ
Maximum Input Level	18dBu
Modular Dynamic Range (A-weighted)	114dB
Channel Isolation	104dB @1kHz, 4dBu
Frequency response	20Hz to 20K Hz, ±0.2dB
Total Harmonic Distortion (THD+N)	≤0.003% @1k, 4dBu
Output impedance	100 Ω
Maximum Output Level	18dBu
Operating Power Supply	AC 110V/220V 50Hz/60Hz
Operating Temperature	0~40℃