

DAM-124

12-CHANNEL DIGITAL
AUTOMATIC MIXER



DAM-124 12-channel digital mixer is a combination of digital audio and digital control technology. It takes high-performance DSP as the core and works with special control software to make detailed settings and adjustments for each channel. It comes with a 12x4 matrix, full intelligent conference management, easy to operate.

Product Specification



DAM-124

12 Channel Wired Digital Automatic Mixer

Main Frame Size:	EIA Standard Rack 1U
Dynamic Range:	100dB
THD+N Distortion:	<0.05%
S/N Ratio:	118dB
Common Mode Rejection Ratio:	>60 dB
Number Of Input Channels:	MIC×8, Line×4
Maximum Input Level:	+6 dBu
Line Input (RCA):	+25dBu
Total Amplification Gain:	Mic:+65db Line:+20
Number Of Output Channels:	Analog×4
Maximum Output Level:	Line (+0):+21dbu MIC (-20):+1dbu
AD/DA Converter:	24bit, 48KHz
Internal Processing:	40-bit, floating point DSP
DSP Functions:	Input, output equalization, limiter, FBK, matrix control, threshold control, high and low pass filter
Power Requirements:	~110V-240V 50/60Hz 60W
Audio Frequency Response:	20Hz-20KHz
Phantom Power Supply:	+48V/12mA
Network Interface:	10/100 Mbps Ethernet
Dimensions(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.7 kg
Operating Temperature Range:	0 ~40°C

Computer control the software interface instruction software interface: (as shown in Fig)

Key Features

Powerful Function

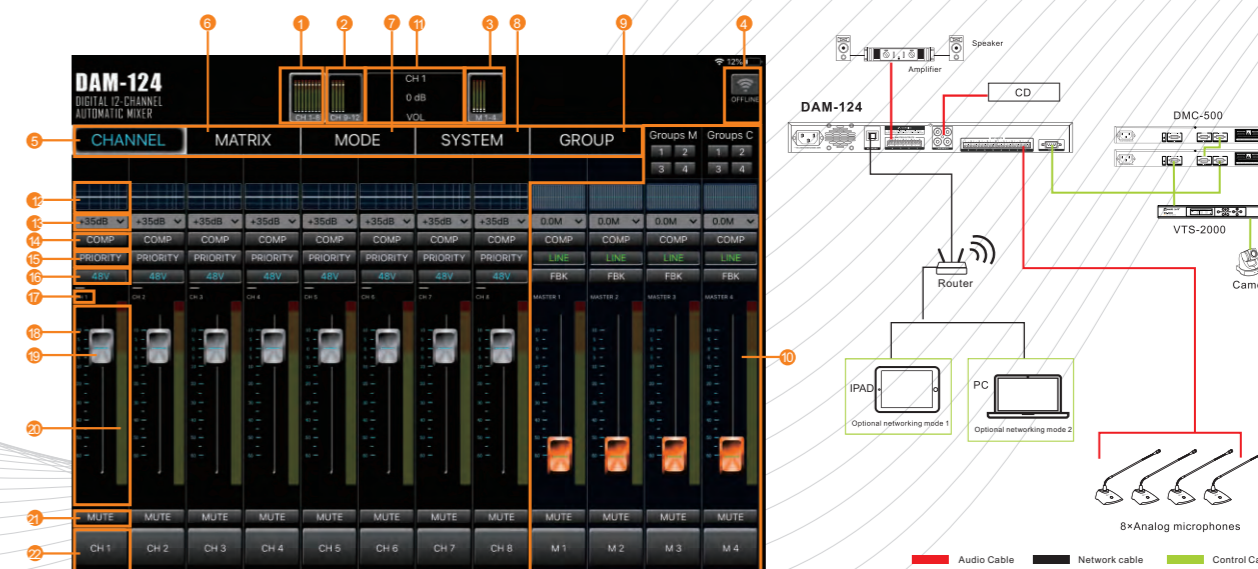
- Standard 1U all metal case, aluminum panel; Clear and bright LED lights on the front panel display the input and output audio dynamic information at all times; Encoder with scale indication.
- Support the grouping setting of mute and other control parameters; The conference scene mode is saved to provide a very convenient debugging method for similar venues.
- 48V phantom power supply is attached to the 8 mic input channel; 4-channel line input; Independent mute control and phantom power control; Priority selection and threshold adjustment can be set for each channel.
- It supports automatic adjust the attenuation value of multi-channel microphone(NOM), and the maximum number of open microphones supports 1~8.

DSP Automatic Sound Gate Regulation

- The automatic sound gate adjustment can automatically calculate the appropriate gate level by using the powerful computing system of DSP digital algorithm according to the on-site environmental noise, which is suitable for any harsh conference environment;
- The LAST HOLD TIME function can make the conference more orderly.

Independent Channel Digital Process

- It has 12 independent input working channels, and each channel can adjust the input gain independently.



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| 1. Input channel 1-8 window: channel 1-8 of the pusher status display and input level display. Click on the page can switch to the input channel. | 11. Function status display window: three rows, according to the first line of the current channel is set, the second line current setting the parameters of the function, the third line of the function of the current Settings. |
| 2. Input channel 9-12 window: display channel 9-12 state of pusher and input level display. Click on the page can switch to the input channel. | 12. Input channel EQ: adjust the defects of compensation speakers and ShengYang, compensation and modify various input source. |
| 3. Output Channel Interface Switcher | 13. Input Channel Gain Setting |
| 4. Communication Connection Button and Status Display | 14. Input Channel Setting Page |
| 5. Channel Page | 15. Input Channel Priority Function Switch |
| 6. Matrix Setting Page | 16. Input Channel 48V Phantom Power Switch |
| 7. Mixing Mode Setting Page | 17. Input Channel Working Status Display |
| 8. Save system: communications equipment, scene, firmware upgrade, restore the factory Settings, etc. | 18. Input Channel Volume Fader |
| 9. Grouping: mute group and control group Settings. | 19. Volume Display |
| 10. The main output channels: can control the function of the main output channel. | 20. Input Channel Mute Switch |
| | 21. Input Channel Name Display |

Application:

