

# 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:	MICx8, Linex4
Maximum Input Level:	+6 dBu
Line Input (RCA):	+25dBu
Total Amplification Gain:	MIC:+65db LINE:+20
Number of Output Channels:	Analogx4
Maximum Output level:	Line (+0):+21dbu MIC (-20):+1dbu
AD/DA Conversion:	24bit, 48KHz
Internal Processing:	40 bit, floating point DSP
DSP Functions:	Input, output equalization, limiter, FBK, matrix control, threshold control, high-low pass filter;
Audio Frequency Response:	20hz-20khz
Phantom Power Supply:	+48V/12mA
Network Interface:	10/100 Mbps Ethernet
Dimension (mm):	410 (W)×206 (D)×43 (H)
Weight:	About 2.7 kg
Power Requirements:	~110V-240V 50/60Hz 60W

### Computer control the software interface instruction

software interface: (as shown in Fig)

### Key Features

#### Powerful Function

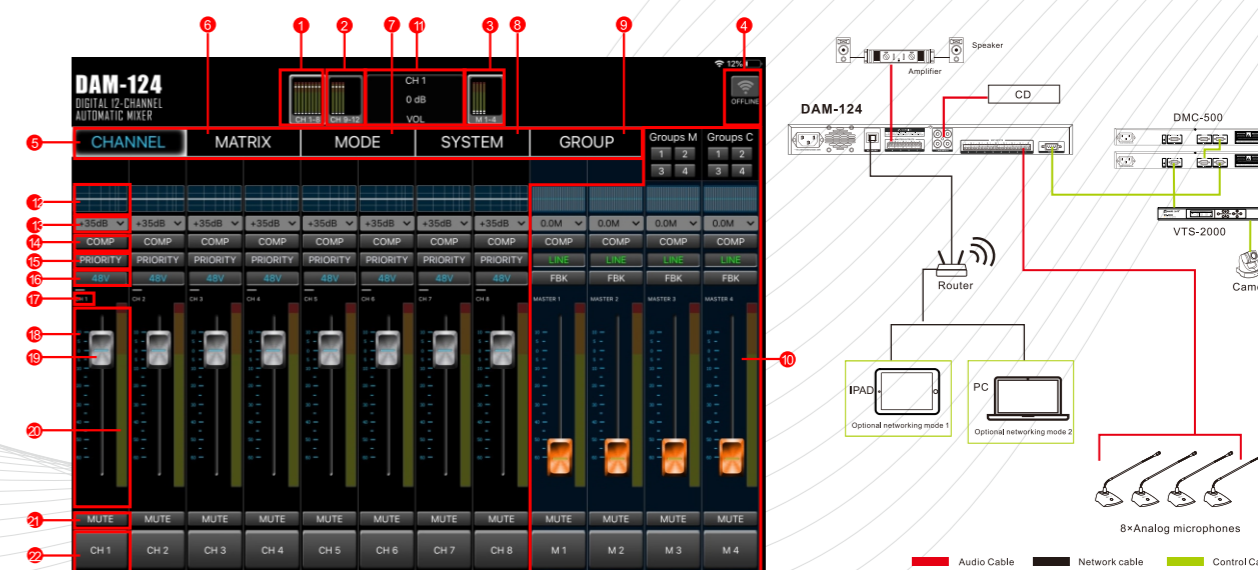
- Standard 1U all metal case, aluminum panel; Clear and bright LED lights on the front panel display the input and output audio dynamic information at all times; Encoder with scale indication.
- Support the grouping setting of mute and other control parameters; The conference scene mode is saved to provide 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.



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.
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.
3. Output Channel Interface Switcher
4. Communication Connection Button and Status Display
5. Channel Page
6. Matrix Setting Page
7. Mixing Mode Setting Page
8. Save system: communications equipment, scene, firmware upgrade, restore the factory Settings, etc.
9. Grouping: mute group and control group Settings.
10. The main output channels: can control the function of the main output 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.
12. Input channel EQ: adjust the defects of compensation speakers and ShengYang, compensation and modify various input source.
13. Input Channel Gain Setting
14. Input Channel Compressor Setting Interface
15. Input Channel Priority Function Switch
16. Input Channel 48V Phantom Power Switch
17. Input Channel Working Status Display
18. Input Channel Volume Fader
19. Volume Display
20. Input Channel Mute Switch
21. Input Channel Name Display

### Application:

