DAM-208D

DIGITAL AUTOMATIC MIXER
WITH DANTE INTERFACE

DAM DIGITAL AUTOMATIC MIXERS WITH DANTE INTERFACE

Dante™ SPOKEN HERE

DAM-208D is a 20-input, 8-output, intelligent digital mixer that supports Dante protocol. Digital intelligent conference processor is the perfect combination of digital audio and digital control technology to high-performance DSP as the core, with dedicated control software, each channel can be set and adjusted in detail, comes with 20X8 matrix, support multiple levels , All intelligent conference management, can easily form a set of powerful, easy to operate digital intelligent conference system. .It is applicable to the high demand of court, business center, conference center, hotel and TV station.

Key Features

⚙ Powerful Function

- Through the use of TCP / IP connection to achieve computer PC software control and iPad software remote control settings of the parameters
- Each channel can be set to priority, limiter adjustment
- 4-band parametric equalizer, frequency, Q value, amplitude adjustable
- Shed filter set, to eliminate unnecessary noise in the band
- Multi-stage frequency adjustable slope of the high and low pass filter, can show a better transient response

Flexible Expansion

- Built-in Ethernet version of the Dante™ digital audio card, can connect the mixer to any Dante™ device
- The RS-232 interface can be used to connect central control equipment and camera tracking system.
- Connect multiple DMC-500 mixer controllers without software control to adjust common channel volume

Intelligent Management

- Using TCP / IP connection, can be connected to special software to achieve the remote control of the conference system, remote diagnosis and upgrade

Independent Channel Digital Process

- With 20 independent input working channels, each channel can adjust the input gain separately, and support Dante input channel conversion; Dante output, do not affect each other.
- High-speed DSP chip with 40 bit floating-point operation and working frequency > 450MHz, combined with the digital audio automatic mixing algorithm independently developed by Relacart core technology team, always maintains the style of displaying the most realistic sound; and supports Dante microphone mixing features
- All-digital signal processing, built-in high, low-pass filter, limiter, 20*8 matrix and so on. The basic use of the operation connected to the computer with proprietary control software, each channel can be detailed settings and adjustments.
- Automatic threshold adjustment, which can calculate the most suitable valve level based on the ambient noise of the scene using the powerful computing system of DSP digital algorithm, suitable for any bad meeting environment. With hold time function to ensure your meeting is smoother.
- 20-channel input and 4-channel output with DANTE, analog and digital mixing matrix control, suitable for a wider range of application.

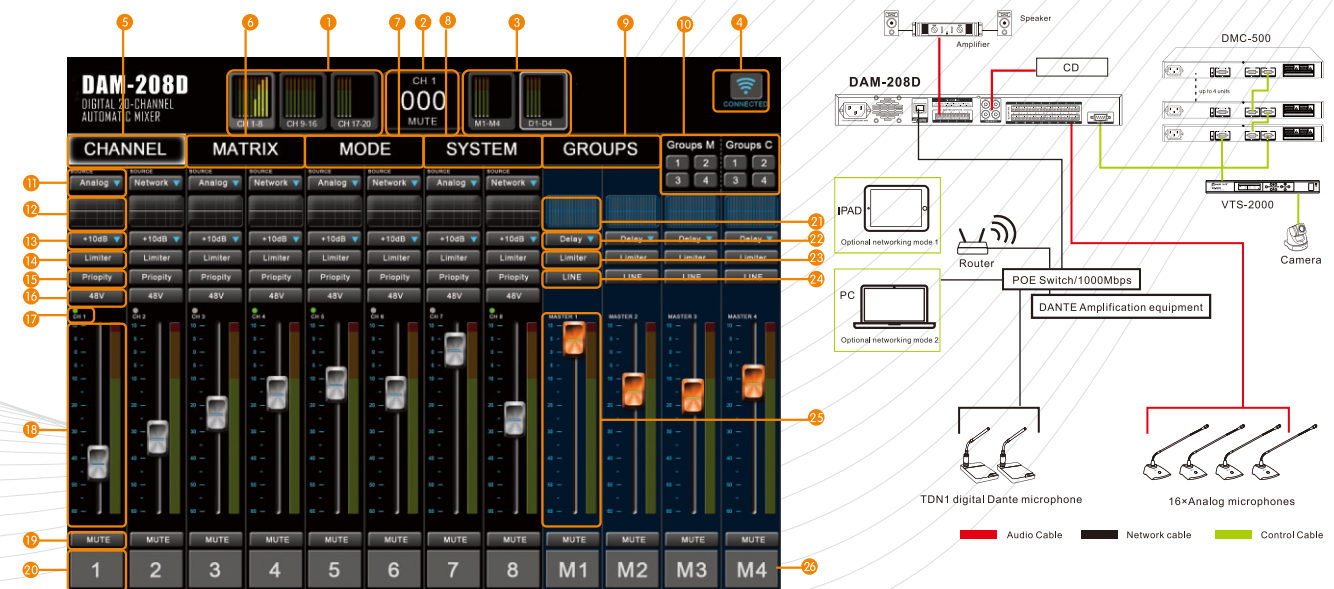## Application:

Product Specification

DAM-208D
Digital Automatic Mixer with Dante Interface

- EIA standard 1U metal chassis, professional and elegant.
- Equipped with handle, easy to lift or move.

Dynamic Range (20 Hz to 20 kHZ, A-weighed, typical):	Analog-to-Analog : 100dB
Harmonic Distortion 1 kHz, +4 dBu out, mix output (MASTER) at +0 dB:	<0.05%
S/N(22 Hz – 22 kHz, RMS, A-Filter):	118dB
Common Mode Rejection Ratio 150Ω balanced source, at 1kHz:	>60 dB
Number of input channels:	MICx16、Linex4、Dantex4
Maximum Input Level(Gain Max):	Mic:+6 dBV Line:+25dBV
Maximum Gain:	Mic:+65db Line:+20db
Number of output channels:	Analogx4、Dantex4
Maximum Output Level:	Line(+0):+21dbu MIC(-20):+1dbu
Dante Interface:	4x4
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
FRQ Range:	20Hz-20KHz
Phantom Power:	+48V/12mA
Network Interface:	10/100 Mbps Ethernet, Dante digital audio
Main Frame Size:	EIA Standard Rack 1U
Dimensions(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.7 kg
Operating Temperature Range:	0 ~40℃

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

1. Input Channel Interface Switcher	14. Input Channel Compressor Setting Interface
2. Parameter Display(can input the current function parameter manually)	15. Input Channel Priority Function Switch
3.Output Channel Interface Switcher	16. Input Channel 48V Phantom Power Switch
4.Communication Connection Button and Status Display	17. Input Channel Working Status Display
5.Channel Page	18. Input Channel Volume Fader and Volume Display
6.Matrix Setting Page	19. Input Channel Mute Switch
7. Mixing Mode Setting Page	20. Input Channel Name Display
8. System Setting Page	21.Output Channel 31-band Graphic EQ page
9. Group Setting Page	22.Output Channel Delay Setting Button
10. Mute, Control, Group Function Switch	23.Output Channel Compressor Setting Page
11. Input Source Switch Menu	24. LINE Output Channel and Mic Output Switch
12. Input Channel 4-band Parametric EQ Setting Page	25. Output Channel Volume Fader and Volume Display
13. Input Channel Gain Setting	26. Channel Name (can edit output channel name)