CONFER X

DIGITAL 64-CHANNEL AUTOMATIC MIXER WITH DANTE INTERFACE

Dante™ SPOKEN HERE

CONFER X is a digital automatic mixer with 64-channel input and 16-channel output, which is independently developed by Relacart and the global-first creation. 64-channel input, 16-channel output analog and DANTE digital hybrid matrix control are suitable for wider application engineering. 1-32 automatic mixing channels can set each channel independently and open threshold. It can set the most suitable threshold level according to the environmental noise, echo and the channel near the loudspeaker. It is suitable for any harsh meeting environment. And the hold-time is adjustable, ensure that your meeting is smoother.

Key Features

Intelligent Management

• The main controller adopts TCP/IP connection mode and can connect special software to realize remote control of conference system, remote diagnosis and upgrade.
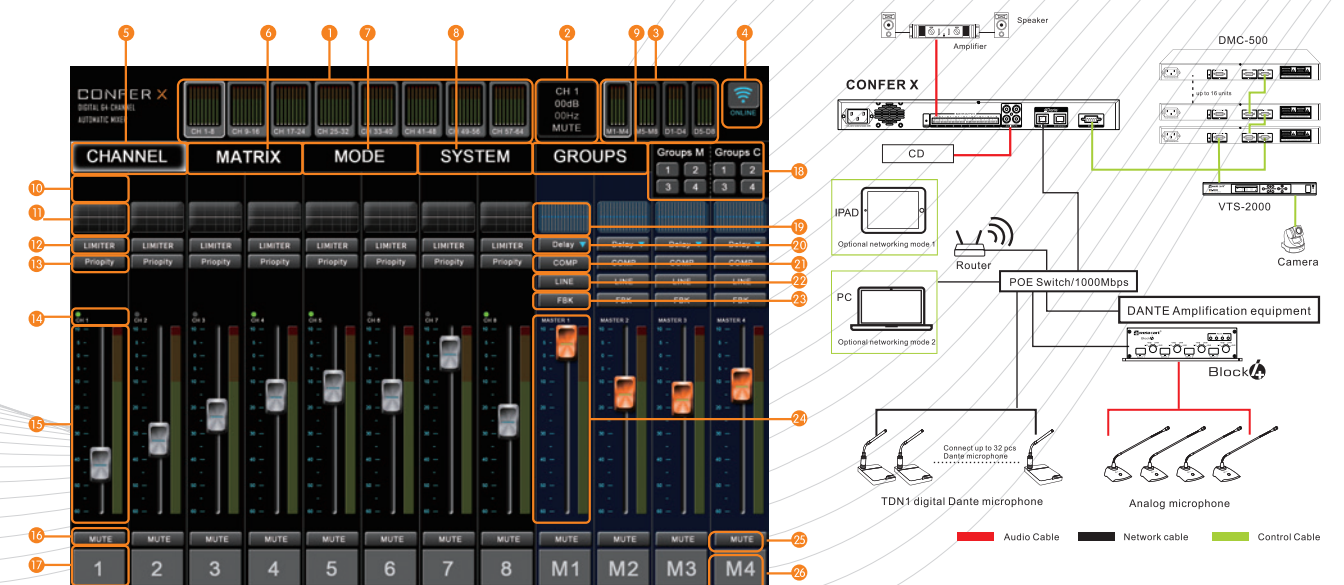
Practical function

• Through TCP/IP connection, can set every parameter by the computer software and the remote setting of the iPad software.
• Priority and compressor adjustment can be set for each channel.
• Four-segment parametric equalization, adjustable frequency, Q value and amplitude;
• The filter can eliminate unnecessary noise in the frequency band.
• High-pass and low-pass filters with adjustable frequency can exhibit better transient response.
• Encoders with scaling indicators can control the volume of four channels, and can set any input/output channel to display volume scale, mute indication, distortion indication and output LINE/MIC indication respectively. Each encoder is equipped with an OLED display screen to display channel name and channel volume value.

Flexible Expansion

• Built-in Dante digital audio card can connect the mixer to any Dante device.
• RS-232 interface can connect to central control and video tracking system.
• Without the use of software control, multiple DMC-500 mixer controllers can be connected to adjust the commonly used channel volume.

Independent Channel Digital Process

• 64-Channel Dante input, channel1-32 adopt DSP algorithm auto mix, channel33-64 support analog input conversion.
• 16-channel independent output, 8 channel is analog signal output, 8 channel is Dante signal output
• 4 channel is line input(RCA plug), can be switched arbitrarily in 33-64 channels and can not be set repeatedly.
• Full digital signal processing, built-in high-pass and low-pass filters, limiters, matrix, etc. The basic operation is connected to the computer with special control software, which can make detailed settings and adjustments for each channel.
• 64 x 64 Dante and analog mixing matrix control, suitable for wider application engineering.

Application:

Product Specification

CONFER X
Digital 64-channel 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 Channel:	AUXx4、Dantex64
Maximum Input Level:	Channel input AUX Input (Lotus): +25dBu
Number of Output Channels:	Analogx8、Dantex8
Maximum Output Level:	Line(+0): +21dbu MIC(-20): +1dbu
Dante Interface:	64 (input)X 8(output)
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
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
Power Requirements:	~110V-240V 50/60Hz 60W
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 Working Status Display
2.Parameter Display(can input the current function parameter manually)	15.Input Channel Volume Fader and Volume Display
3.Output Channel Interface Switcher	16.Input Channel Mute Switch
4.Communication Connection Button and Status Display	17.Input Channel Name Display
5.Channel Page	18.Mute and Control Group Function Switch
6.Matrix Setting Page	19.Output Channel 15-band Graphic EQ page
7.Mixing Mode Setting Page	20.Output Channel Delay Setting Button
8.System Setting Page	21.Output Channel Compressor Setting Page
9.Group (Mute Group and Control Group Setting)	22.LINE Output Channel and Mic Output Switch
10.Input Source Switch Menu (For channel 33-64 only)	23.FBK (can avoid feedback automatically)
11.EQ Setting (For channel 1-32 only)	24.Output Channel Volume Fader
12.Input Channel Compressor Setting Interface	25.Output Channel Mute Switch
13.Input Channel Priority Function Switch	26.Channel Name (can edit output channel name)