

# DSP Audio Processor

# DMX108

8x8 Digital Matrix Processor



### Characteristic :

- High-speed processing DSP Chip, the new generation AFC algorithm to eliminate the feedback more precision and agility.
- Input signal processing includes: sinusoidal signal, pink noise, white noise, AFC, signal extension processing, frequency, compressor, AGC, Ducker, automixer.
- Output signal processing includes: matrix mixer, auto gain control, phase, frequency, equalize PEQ, limiter, delay, RMS. Provide a complete set of audio process solution.
- 8-channel +48V phantom power microphone/line input , 8-channel circuit output; 8-channel GPIO control input and 8-channel logic GPIO output. Connect with GUI interface directly through ethernet, easy and efficient to set.
- Power off automatically save function. openRS232, RS485 Control Protocol. Receive the third-party control systems.
- Directly control the volume and call the scene through the wall panel or android phone APP.

### Technical Specifications

Frequency Response	20Hz-20kHz, ±0.5dB				
Input Impedance(bal/unbal)	20kΩ (bal) , 10kΩ (unbal)				
Output Impedance(bal/unbal)	300kΩ (bal) , 150Ω (unbal)				
Maximum Input/Output Level	20dBu				
SNR(dB@A-Weighted, +4dBu)	93	92	92	91	85
Dynamic Range	109, A-Weighted				
THD + Noise	< 0.003%@unweighted, +4dBu				
Channel Separation	> 92dB@1kHz, +4dBu				
CMRR	> 80dB@1kHz, unity gain, +4dBu				
Circuit Gain(dB)	0	12	24	36	40
Phantom Power	+48V, 10mA				
Logic Input	0~3.3V				
Logic Output	5V, 10mA				
External Input Control	8 Channel, 0~3.3V DC Analog Input and Logic Level Input Each Channel, Can be connection with Logic Tragger or potentiometer				
Logic Output	8 Channel, 5V DC Logic Level Each Channel, 10mA				
RS232/RS485	Baud rate 2400, 4800, 9600, 19200, 38400, 57600, 115200				
Internet	100M connect GUI				
Power	AC 90~260V, 50-60Hz 100W				
Size	482x231x45mm(WxDxH)				
Weight	3.5kg				

