

Description

D MATCH 2.6 is a digital audio processor. This device digitizes two analog input audio signals and provides audio processing and speaker management functions, making it very suitable for improving sound quality in small and medium-sized amplification venues. It can also monitor the working status of the system in a centralized control room. By installing system control software on a PC, up to 50 devices on the RS-485 control bus can be monitored and managed, making it easy to handle large and complex applications. The panel has dynamic margin indicators for input and output levels, and can display configuration information for each output channel (audio source, ultra-low frequency, low frequency, mid frequency, and high frequency). The digital display shows the device address code or current user program number, and the address code can be set or the user program can be called using the touch buttons on the panel. This device can flexibly allocate two input signals to six outputs, configured as three stereo channels or up to six mono frequency dividers. Two input signals can be flexibly allocated to six outputs, configured as three stereo or up to six mono dividers. In addition, it also includes functions such as delay, compression/limiter, parametric equalizer or graphic equalizer, so this device is very suitable for applications that improve sound quality in amplification venues.



Features

- 1. Input 5-segment parametric equalization and output 7-segment parametric equalization
- 2. Each channel has a maximum delay of 4000ms
- 3. Flexible signal routing function, any input can be routed to any output
- 4. 40 sets of preset storage space
- 5. Multiple control interfaces (one USB, one RS232, one RS485)
- 6. Graphical control software



D MATCH2.6

Digital processor

Technical specifications

Frequency response	20Hz~20KHz, ± 3 dB
Signal to noise ratio	≥ 90 dB (typical value)
Total harmonic distortion+noise	THD+N < 0.006%
Power consumption	< 20W

Physical specifications

Analog input	
Connector	XLR-3 input socket (IN1 and IN2) 6.35 balanced input socket (BGM input)
Input impedance	≥ 10 k Ω
Maximum input level	$\geq +20$ dBu (THD+N $\leq 0.1\%$)
A/D converter	> 64kHz, 24-bit Σ - Δ , 128-fold supersampling, linear phase
Analog output	
Connector	XLR-MALE Output card socket (6 channels)
Output impedance	47 Ω (The load impedance is required to be greater than or equal to 600 Ω)
Maximum input level	$\geq +20$ dbu (THD+N $\leq 0.1\%$)
A/D converter	128 times oversampling>64kHz, 24 bit Σ - Δ
Control interface	
RS-485 connector	XLR input/output
BGM switching control	wiring terminal/DC+24V-48V
LED level meter	-40- 20,- 10,- 6dBFS and OVER (overload)

