

With digital process technology being more and more widely used in the audio industry, Digital Audio Processor has become the core part of sound reinforcement system. Easy to use, convenient to be integrated makes the most importance. Under such concept, TIMON 16E, with its smart and intuitive control on the SW, can make operations easier for users. The quick generation of the central control command can realize seamless connection with third party devices.

The new version DSP with the brand new AFC algorithm that applies military waveform comparison technology and the advanced wave trap technology brings quick feedback suppression and makes the system more stable. Under the protection of accurate output limit, It can protect your fancy speakers and leaves no trouble in managing the speakers via the gain sharing type auto mixer.

## Features:

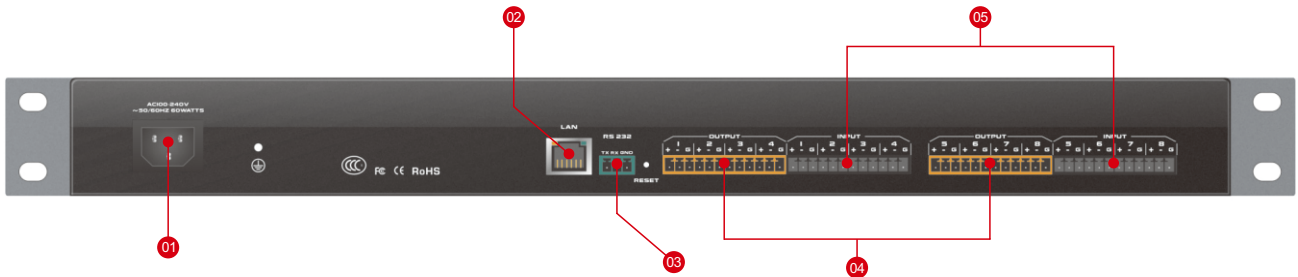
- Input: 8 balanced mic/line, bare wire terminal;
- Output: 8 balanced line, bare wire terminal;
- Providing 24bit/48kHz excellent sound quality;
- RS-232 Control: Compatible with video matrix and other third part control system like AMX/Crestron;
- High Quality multi-level operation ensured the lowest background noise;
- Limiter and 8 band PEQ for each output;
- Digital Algorithm crossover, Filter type (Bessel & Butterworth), Multilevel Slope adjustable;
- Automixer; intelligent management of multi-channels mic; gain sharing algorithm ensures stability of the system. Priority is optional;
- Auto Feedback Cancellation which suppressed the system squealing effectively;
- Signal routing and function control can be easily realized via the software;
- Chinese and English version intuitive GUI selectable;
- User-friendly design; Easy connection with computer and other net device through the Ethernet.

## Specifications

Preset	8 presets
Input Function Module	Preamp/Signal Generator/High pass filter/3 band PEQ
Output Function Module	8 band PEQ/Delay/Crossover/High-low pass filter/Limiter
Sampling Rate	48kHz
DYN Range	>110dB
DYN Range (Input to Output)	110dB
Phantom Power	DC 48V
Input CMR	>70dBu @ +20dBu , 60Hz
Channel Isolation	90dB
Frequency Response	20 ~ 20kHz (±0.5dB)

THD+N	≤0.005% @1kHz, +4dBu
Max Gain (Input)	40dB
Input Impedance	10KΩ balance, 5.5KΩ unbalance
Output Impedance	200 ohm
Max Lever (Output)	20dBu
Power	AC 110V~230V AC, 50Hz /60Hz
Power rate	40W
Size (W×D×H)	484mm×180mm×44mm
Weight	2.3kg
Working temperature	0-40℃

## Rear panel



- ①:AC100-240V Main power input    ②:Software Debugging Ethernet port    ③:RS232 control port    ④:Balanced analog output port    ⑤:Balanced analog input port



RC-MIX4



RC-PS



RC-TP4



RC-VOL

RC Type	Bi-color LED	Ring LED	Single LED	Programmable keys	communication interface quantity	MIC Interface	Size(mm)	Standard Installation box (mm)	Power supply	Protocol
RC-MIX4 (Combined type)	12	4 group	1	12	2	1	114×202×4	105×195×47	External DC9V, 0.5A( Only RC-MIX4 support)or POE	Standard TCP/IPcontrol protocol standard CAT5 net connction
RC-PS (Paging type)	\	\	1	1	2	1	114×70×4	104×62×47		
RC-TP4 (Key type)	4	\	\	4	2	\	114×70×4	104×62×47		
RC-VOL (Knob type)	1 group	\	\	\	2	\	114×70×4	104×62×47		



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