

DSP Sound Effect System

K7

6 Channel Professional Vocal Processor



Characteristic :

- High-quality AD/DA Converters and dual high-speed DSP architecture, and HIFI hardware design delivers natural and enthralling timbre.
- The design for low noise MIC pre-amp makes the sound clearer and sweeter.
- Two sets of curves are configured to adapt to a variety of microphone applications.
- 5.1 Channels, mixing ratio(Echo/Reverb/Music/Direct) of all outputs can be adjusted.
- Parameters of all channels can be adjusted independently or linked together, such a flexible and convenient.
- The 5th generation Reverb algorithm with professional early reflections and modulation give more excellent sound field and warmer.
- High quality Echo algorithm with three modes: Mono/Dual/Stereo.
- Professional FBE function can effectively eliminate the howling, in order to increase the system Gain or used in severe environment.
- Singing and Disco two kinds of work modes, intelligent automatic switching.
- Support analog or S/PDIF (coaxial or optical) music sources. USB, RS232, Infrared or wired remote interface, friendly graphical user interface.

Technical Specifications

Music		
SNR	Bypass, Pitch-Shifter Off	≥107dB(Analog), ≥114dB(S/PDIF)
THD+N	Output +4dBu, 1kHz	≤0.002%(Analog), ≤0.001%(S/PDIF)
Frequency Response	L/R/C/SL/SR	20Hz-20kHz ±0.5dB
	S.W	20Hz-2000Hz ±0.5dB
Max Input Level	Analog Inputs: BGM/IN1/IN2	4Vrms
	S/PDIF Inputs: Optical/Coaxial	0dBFS = 2Vrms
Max Output Level		4Vrms
Gain	Analog Input: BGM/IN1/IN2	-30dB~+18dB
	S/PDIF Inputs: Optical/Coaxial	-30dB~+12dB(Trim: -12dB~0dB)
Pitch-Shifter		±12 Pitches, 100 Cent (HalfTone) / Step
MIC		
SNR	Bypass, Effect Off	≥99dB
THD+N	Output +4dBu, 1kHz	≤0.006%
Frequency Response	L/R/C/SL/SR	20Hz-20kHz ±0.5dB
	S.W	20Hz-2000Hz ±0.5dB
Sensitivity / Impedance	3 Front Inputs	31mVrms/3.3kΩ
	2 Rear Inputs	44mVrms/10kΩ
Gain	3 Front Inputs	30dB~42dB
	2 Rear Inputs	39dB
Video		
Inputs/Outputs	3 IN, 1 OUT. Follow the music input selection.	
Sensitivity / Impedance	1Vpp/75Ω	
Parameter Equalizer& Filter		
PEQ/Lo-Shelf/Hi-Shelf	Bands: Music 15, Mike 15×2, Main Output 10, Center 10, Subwoofer 7, Surround 7, Echo 10, Reverb 10	
	Frequency: 19.7Hz~20.2kHz, 19.7Hz~2000Hz (S.W)	Gain: -15dB~+12dB Bandwidth(Oct): 0.011~3.595
Filter	HPF : 19.7Hz~202Hz	LPF : 12.1kHz~20.2kHz
	19.7Hz~1kHz(S.W)	35.1Hz~2kHz(S.W)
	Roll-off: 12dB/24dB/36dB/48dB Type: Bessel/Butterworth/Linkwitz-Riley	
Others		
Remote Control	Infrared Receiver , Line remote(Type S Connector)	
Online Control	RS232C (DB9 Female) , USB (Type B, Driver Free)	
Mains Input	AC 220V 50-60Hz	
Power Consumption	≤21.5W	
Fuse Size	T1A1/250VAC	
Net Weight	3.5kg	
Dimension (W×H×D)	482×158×45(mm)	

