

**SOUNDMAGUS TECHNOLOGY CO.,LTD.**

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EP16S specifications

Power supply	
Operating Voltage range	7.5 - 16V DC
Auto Turn On	ACC / DC OFFSET (High level input CH1 only)
Standby current	<0.5mA
Quiescent current	0.44A
REM OUT output voltage	12V DC (380mA)
Recommended external fuse Rating	0.9A
Input	
Analog input	16 Channel High Level / 10Vrms or 18Vrms
	2 Channel Low Level (AUX) / 2.0Vrms
Digital audio input	1 Optical (96kHz/24bit); 1 Coaxial
Input Impedance	20K Ohm (Low Level) / 4.7 Ohm(High-Level)
Bluetooth	Built-in Bluetooth 5.1, Supports SBC / AAC protocols
	External Bluetooth 5.0, Supports AAC , APTX-L , APTX-LT , APTX-HD , MP3 , SBC and other protocols
Output	
Output Channel	16 Channel Low Level
Output level (14.4V , 1KHz , 1%THD)	5Vrms for each channel
Frequency Response range	20Hz ~ 40KHz (-3dB)
THD (1KHz, 1Vrms output)	0.01%
S/N Ratio(1KHz A-wt.THD=1%)	>95dB
Channel Separation @1KHz	≥105dB
Output signal Crossover	Independent HPF, LPF filter for each channel
	Filter type: Link-Ril, Bessel, Butter-W
	Filter frequency: 20Hz~40KHz (1Hz steps)
	Filter slope: 6dB/Oct~48dB/Oct
Output Signal Equalizer	31 independent equalizers per channel. Type: Parametric / Graphic Equalizer
	Frequency: 20Hz~40KHz (1Hz steps)
	Q Value: 0.404~28.852
	Gain: -12.0dB~+12.0dB (0.1dB steps)
Output Phase	Normal phase or reverse phase (0°~360°)
Output Delay	0.000~20.000ms; 0~692cm; 0~272.8 inch
Output volume	Each channel independent adjustment: -60dB ~ 0dB (0.1dB steps)
	Total volume adjustment: -60dB ~ 6dB(0.1dB steps)
Shutdown delay	0~255S
Control	
DSP Tuning	Windows PC software (Installation free) /
	Smart phone app tuning (External Bluetooth module required)
Remote control	Wired controller /
	Smart phone app control (External Bluetooth module required)
Dimension	
Dimension	137mm x 223mm x 50 mm(L x W x H)

SOUNDMAGUS reserves the right to modify specifications or change product design without notice.