



# Digital Karaoke Processor

## AutoDSP-K1



*Excellent sound quality and crystal clear voice*

*The industrial first technology of auto room tuning with level, frequency response and delay calibration*

**The AutoDSP-K1 make singing more easier and make your voice sound better!**

**PAX ProAV Group**

*Inspiring, dedicated Audio-Visual technology*  
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## AutoDSP-K1



The state-of-the-art AutoDSP-K1 digital karaoke processor comes with full DSP processing, including Feedback Suppressors, equalizer, auto mixer, delay, filter, echo etc., offering the variety of DSP processing for customers. To improve the audio quality and adjust the voice and sound dynamically, each mic input supports 16 bands of PEQ, and 12 bands of PEQ for the music input. The sound which comes from the AutoDSP-K1 will surprise whether you are singing a slow or a rock-n-roll song, the AutoDSP-K1 will make your voice sound even better.

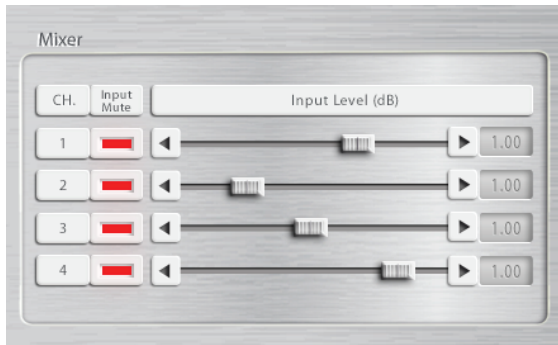
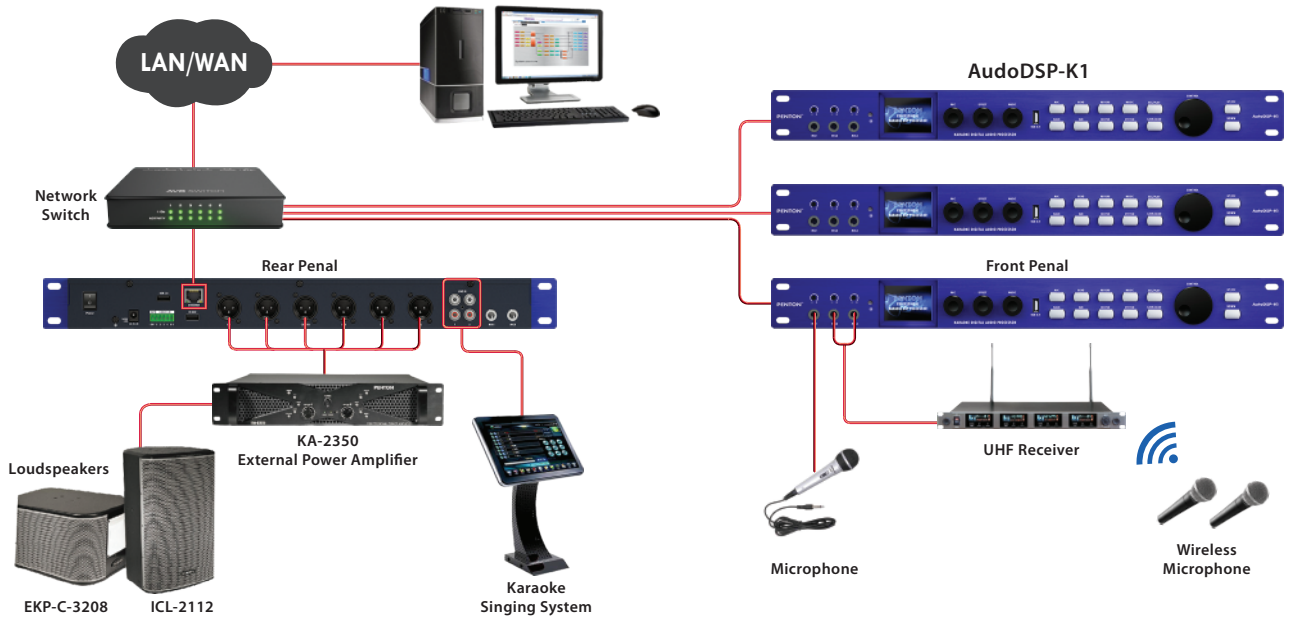
The AutoDSP-K1 is a IP-based processor, achieving real-time DSP adjustment and monitoring remotely. For songs recording, the AutoDSP-K1 is equipped with internal memory storage and two external USB ports located at the front and the back of the unit.

The exclusive web browser based-software allows to program and control the AutoDSP-K1, the web browser provides an intuitive UI configuration layout, each device including microphones will be displayed in a graphical topology. The DSP parameter adjustment and system setting can be dynamically adjusted from front panel and software.

## FEATURES

- Rotary knobs and setting buttons for parameter control/adjustment
- Five XLR mic inputs, 1 line input and 1 line output
- 5.1 channel surround system
- 2 USB interfaces for recording the songs
- IF receiver for remote control
- Industrial first technology of auto room tuning with level, frequency response and delay calibration
- Install with the patent DSP chip for powerful calculation capability
- DSP includes feedback suppressor, auto mixer, PEQ, delay, filter ambient noise cancellation (AM), DSP Reverb etc.
- Program and control via web browser
- 16 types of memory setting for sound effect, including 8 kinds of pre-programmed effects and parameters
- 2.2" LCD colour display of current status and quick setting
- Install in standard 1U rack-mounting

System Connection



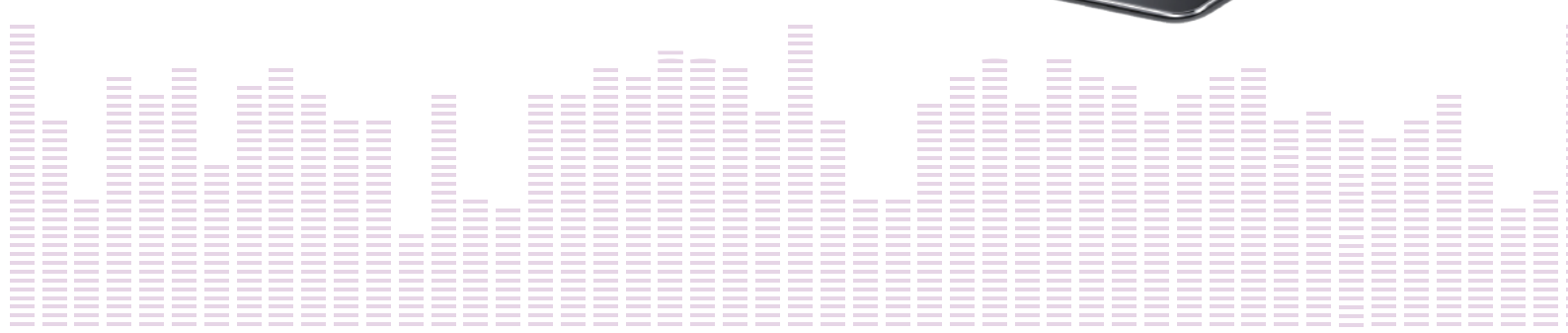
Individual processing

(voice, music sound effects)

- Each mic input supports 16 bands PEQ
- 12 bands of PEQ for music input
- Level control for individual channel (voice, music and sound effects)

AutoDSP-K1 Programming

- Control, management and monitoring via web browser
- Effortless system setup and control



## Technical Specifications

### Front Panel

- 2.2" LCD colour display
- 3 mic inputs
- IR receiver for remote control
- MIC/Effect/Music/Control rotary knobs
- USB 2.0 interface
- Function buttons (mic, echo, reverb, music, recal, main, sub, center, system and save)
- Navigation buttons (up/ESC, down)

### Rear Panel

- Power on/off switch
- GND socket
- USB 2.0 interface for singing record
- Logic I/O
- RS232 for serial communication
- Ethernet for configuration and control via web browser
- MR/RL mic output (right and left)
- Center/Subwoofer/Sub-right/Sub-left output
- Line input 1/2
- Mic 4 and Mic 5 input

### Electrical

- DC power input: 24 VDC (21.5 ~ 26.5V)/0.8A
- Power consumption: 8.5W

### Audio Characteristics

- A/D-D/A bit resolution : 24 Bits
- Sampling rate: 48 kHz
- Frequency response:  $\pm 3$  dB @ 20 ~ 22 kHz
- Input gain (fixed): 24 dB
- EIN: <105 dBu @ 24 dB gain
- THD + N: <0.02% @ 24 dB gain, -24 dBu in
- Input impedance: 20K ohm
- Output impedance: 70 ohm
- Maximum input level: -15 dBu
- Maximum output level: 12 dBu
- Max input level: 4V (RMS)
- Max output level: 4V (RMS)
- Maximum gain: 12 dB
- Mic sensitivity: 55 mV
- SNR: 95 dB

### Mechanical

- Dimension (L x W x H): 483 x 174 x 47.5 mm
- Net weight: 2.19 kg

## Application

- Karaoke Venue
- Stage Theater
- Luxury Villa
- Private Theater
- Singing workshop
- Recreation Center



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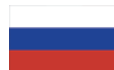
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