

PA2B Amplifier

78040 Data Sheet

The TEK-PA2B is a compact Class-D amplifier with two selectable line inputs and one balanced MIC with selectable phantom power. It is integrated with powerful features including speaker bridging, stereo or mono selection, EQ control, a microphone mixer, and simple-to-program RS-232 control.

The TEK PA2B amplifier is great for classroom and training room amplification including speech reinforcement. With separate volume controls for the line inputs and the Mic input, it is easy to control a room level without feedback.

Features:

- 2x20W@4Ω or 1x40W@8Ω output
- Two stereo inputs, 1 mono input w/ 45V Phantom Power, Mic, and Line settings
- Independently controllable Volume/Bass/Treble levels
- Separate volume control for line level sources & microphones
- Loop output after volume control for connecting to other audio amplifiers
- Automatic Noise Gate for noise reduction on microphone input
- Controllable via RS-232 commands, IR remote, or front panel buttons
- Shipped fully functional, pre-programmed, and rigorously tested



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78040 Technical Specifications

Inputs	2 Stereo Audio, Unbalanced (RCA/3.5mm mini jack) 1 Mono Audio, Balanced (3 Pin Phoenix)
Control Port	1 RS-232 (3 Pin Phoenix)
Input Impedance	>10k Ω
Outputs	1 Stereo Audio, Balanced (4 Pin Phoenix) 1 Loop Stereo Audio, Unbalanced (3.5mm mini jack)
Output Impedance	50 Ω /Stereo, 4~8 Ω /Amplifier
Power Output	4 Ω : 2x20W 8 Ω : 40W, Bridged
Frequency Response	20Hz ~ 20kHz
Signal-to-Noise Ratio (SNR)	80dB at maximum output
Stereo Channel Separation	>75dB @ 20Hz~20kHz
Mic Common-Mode Rejection Ratio (CMRR)	>70dB @ 20Hz~20kHz
Voltage Gain	32dB
Total Harmonic Distortion (THD) + Noise	1% @1kHz, 0.3% @20kHz at nominal level
Temperature	23 ~ 95°F (-5 ~ 35°C)
Power Supply	Input: 100 ~ 240V AC Output: DC 24V, 2.5A
Product Dimensions	4.8" (122mm) x 3.4" (86mm) x 1.5" (38mm)
Product Weight	0.64 lbs. (290g)

Specifications are subject to change without notice

