

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:

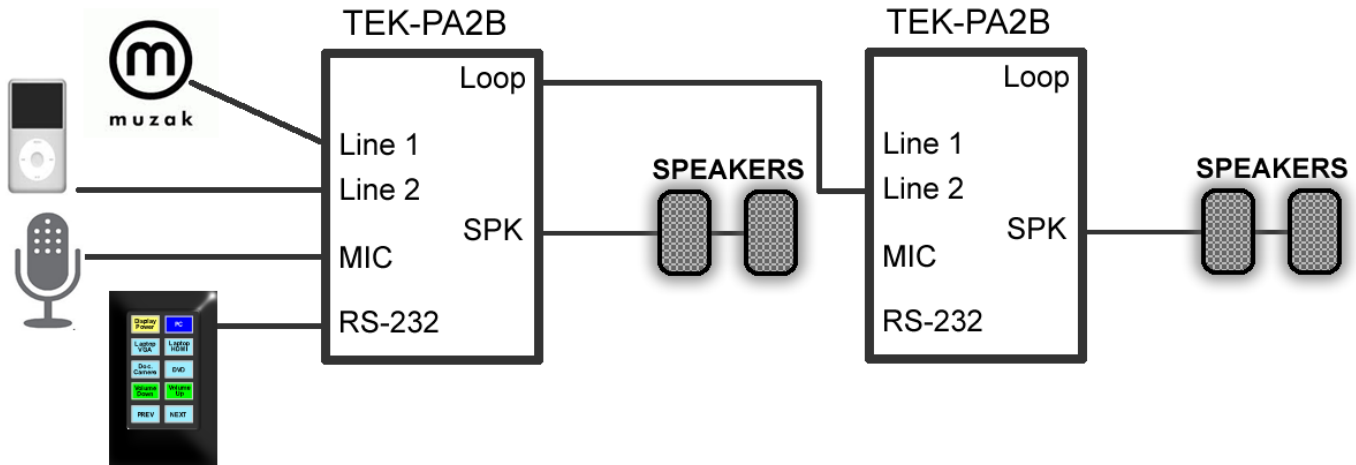
- 2 x 20Watts @ 4 Ohm or Bridged to 40 Watts @ 8 Ohm
- Stereo or Mono selection
- Two stereo audio inputs selectable by button IR* remote and RS232
- Volume/Bass/Treble controllable by buttons' IR* remote and RS232
- Balance microphone input with selectable 45V phantom power, mic, or line settings
- Separate volume control for line level sources and microphones
- Loop output after-volume control to connect other TEK-PA2Bs or another amplifier
- Auto noise gate to reduce noise on mic input
- Extensive RS232 control using simple ASCII commands

*IR remote is optional.



Application

In this application, there are two different selectable music inputs and a microphone input which are all controlled by the TekTouchPad. A second TEK-PA2B is added to connect a second group of speakers. Since the Loop output is after the volume control, adding another amplifier is easy. Any change of the volume level will also control the level of the second amplifier.



Device Specifications

Model	TEK-PA2B (78040)
Input	2 stereo audio - unbalanced, 1 MIC - balanced
Input Connector	Line 1 - 2 RCAs Line 2 - 1 3.5mm jack MIC 1 captive screw connector (3P,3.81mm)
Input Impedance	>10KΩ
Frequency Response	20Hz ~ 20KHz
SNR	80dB at maximum output
Stereo Channel Separation	>75dB@20Hz to 20KHz
Mic CMRR	>70dB@20Hz~20KHz
Voltage Gain	32dB
Output	1 amplifier, 1 stereo audio (Loop)
Output Connector	Loop - 1 3.5mm jack Amp - 1 captive screw connector (4P, 5.08mm)
Output Impedance	50Ω/stereo, 4~8Ω/Amplifier
THD + Noise	1%@1KHz, 0.3%@20KHz at nominal level
Power Output	2x20 Watts (4 Ohms) 40 Watts Bridged (8 Ohms)
Temperature	-5 to +35 C, -41 to +95 F
RS232 Control Connector	3-hole phoenix connector
Power	24V 2.5A
Size	W: 4.8" / H: 1.5" / D: 3.4"
Weight	0.64 lbs.

*Specifications are subject to change without notice.