

## PA-401 Paging Audio Amplifier

The PA-401 is an attractive solution where a moderate power amplifier is required. The design gives the highest audio clarity. The frequency response characteristics are ideal for commercial requirements. The unit is protected against short circuits, overload, and other user abuses.

The PA-401 packaging is solid, unlike consumer products, and tailored to act as a companion to other Tech Works products. Several mounting options are available, Tabletop, Under Counter, and Rack. The 1U, half rack size compliments other Tech Works products for a complete single source solution. The PA-401 is designed to industry standards and is ideal in any application requiring a moderate power amplifier.

The PA-401 is easy to use. All audio connections are through Euro Style connectorized barrier strips. Power connection is an industry standard 5.5mm coaxial jack. Two power jacks are provided for sharing the power supply with other Tech Works Products. The documentation is complete. Applications utilizing other Tech Works products are fully templated.

Applications include Audio Paging, Background Music, and as a Power Booster for our intercom products to cover high noise or large areas or for "All Call".

### BENEFITS

- Very Versatile
- Easy to use
- High Quality Audio
- Very low distortion
- Attractive, a compliment to your design and installation
- Compact, 1U half rack
- Several mounting options
- Fully fault Protected
- Universal Power Supply (sold separately)

### Design Information

Paging Audio Amplifier  
Inputs, R.F. and static electricity protected  
Outputs, short circuit protected  
Frequency Response 150 Hz to 14KHz  
40-Watts RMS Sine Wave Output,  
25V Line (Balanced)  
Distortion at full rated output < .1% T.H.D  
Input: 10K Ohms – 0dBm transformer balanced  
Color: Light Gray metal enclosure  
Power: 24VDC, 3.7A Power Supply (not included)  
Weight: 3 lbs.  
Dimensions: 8.5" W X 6" D X 1.75" H.

## Tech Works™



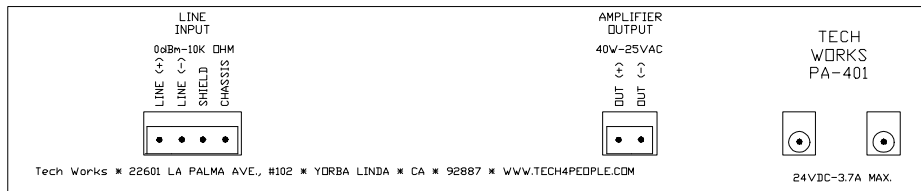
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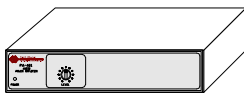
## Rear View and Connections



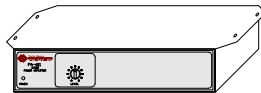
The PA-401 is easy to use. All audio connections are through Euro Style connectorized barrier strips. The input is industry standard line level, transformer balanced. The output is 25 volts constant voltage at 40 watts continuous power. DC Power connection is an industry standard 5.5mm coaxial jack. Two power jacks are provided for sharing the power supply with other Tech Works Products.

The PA-401 packaging is solid, unlike consumer products, and tailored to act as a companion to other Tech Works products. Several mounting options are available, Tabletop, Under Counter, and Rack. The 1U, half rack size compliments other Tech Works products for a complete single source solution.

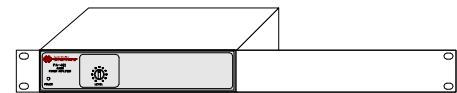
Three mounting options are available as standard configurations.



Desk Mount (DM)  
PA-401-DM

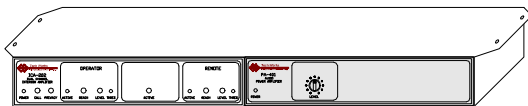


Wall Mount (WM) (Under Counter)  
PA-401-WM

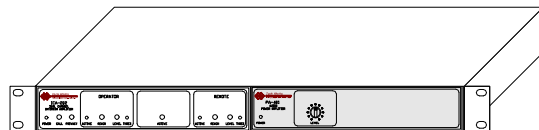


Rack Mount (RM)  
PA-401-RM

Other mounting options are available upon request.



Side by Side Wall Mount in a WM-2



Side by Side Rack Mount with an RM-2

### Architects' and Engineers' Specifications

The Paging Audio Amplifier shall be 1.75" High, 8.5" Wide, and 6" deep producing 40 watts at 25 Volt balanced line with less than 0.1% distortion. The input shall be industry standard 0dBm at 10K ohms and all terminations shall be "Euro" style screw terminals. The power supply shall be 24 VDC universal AC source type.

The Paging Audio Amplifier shall be  
Tech Works Model PA-401.