

Strip the speaker wiring back about 1/2", loosen the screw enough to loop the wire around the shaft of the screw (clockwise), and tighten down the screw with a slot-head screwdriver.

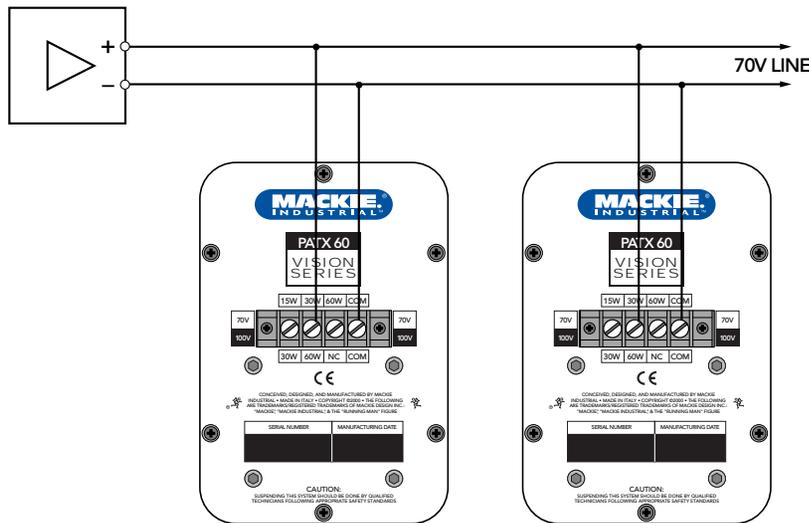
Note: Make sure the taps on the speakers add up to no more than the rated power for the amplifier being used.

Connecting the PATX60 to a Constant-Voltage Distribution System

In a constant-voltage distribution system, all the speakers are connected in parallel. This makes it easy to add or remove speakers from the system without having to recalculate the impedance of the load on the amplifier.

Simply add the taps on the speakers connected to the system and make sure the total power indicated by the taps does not exceed the rated power of the amplifier.

70V CONSTANT-VOLTAGE POWER AMPLIFIER



70V CONSTANT-VOLTAGE DISTRIBUTION SYSTEM

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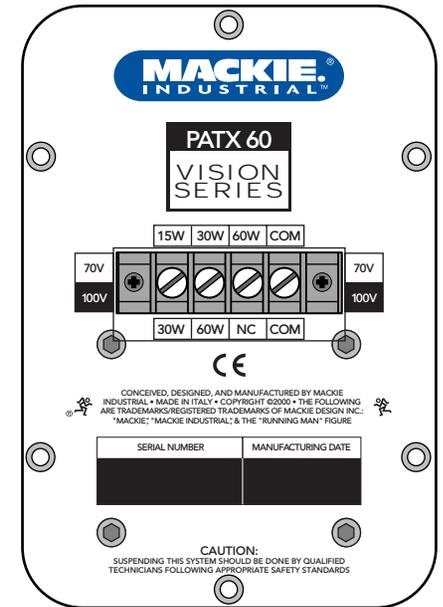
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PATX60
70V/100V Transformer Panel

Quick-Start Guide

The PATX60 is a 70V/100V transformer panel that replaces the connector panel on the Vision Series PACX81, PA261, and PA281. It has a 60 watt, 70 Volt transformer with a terminal strip for external connections to a 70V or 100V constant-voltage amplifier.



Safety First!

Before connecting and using the equipment, please read this Quick-Start Guide carefully and keep it for future reference.

WARNING! This equipment has been designed to be installed by qualified professionals only! There are many factors to be considered when installing professional sound reinforcement systems, including mechanical and electrical considerations, as well as acoustic coverage and performance. Mackie Industrial strongly recommends that this equipment be installed only by a professional sound installer or contractor.

1. Read Instructions—All the safety and operation instructions should be read before this Mackie Industrial product is operated.
2. Water and Moisture—This Mackie Industrial product should not be used near water – for example, near a bathtub, washbowl,

sink, in a damp cellar, near a swimming pool, etc.

3. Foreign bodies and liquids—Be careful not to allow any foreign bodies or liquids to get into this Mackie Industrial product.
4. Technical service—The user should never attempt to make any repairs on this Mackie Industrial product unless otherwise indicated in the instruction manual. All repairs should be made by a qualified service technician.
5. Installation—Do not install this Mackie Industrial product in any way that is not indicated in the instruction manual.
6. Respect the safety standards—The entire sound system must be created in compliance with the current standards and laws regarding electrical systems.

Front Panel Features

1 70V Connections

When using the PATX60 with a 70V distribution system, calculate the power usage with the top numbers for the taps (15W, 30W, 60W).

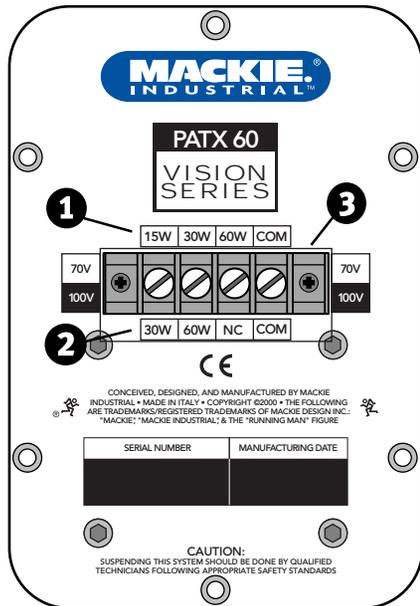
2 100V Connections

When using the PATX60 with a 100V distribution system, calculate the power usage with the bottom numbers for the taps (30W, 60W).

WARNING: DO NOT USE THE TAP LABELED NC NEXT TO THE COM TERMINAL IN A 100V SYSTEM.

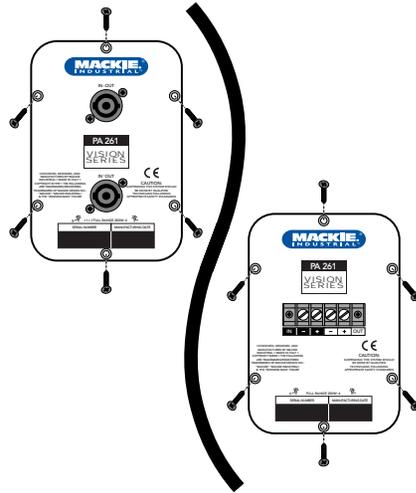
3 Security Cover

After connecting the speaker wiring to the screw terminals, install the security cover to insulate the connections.

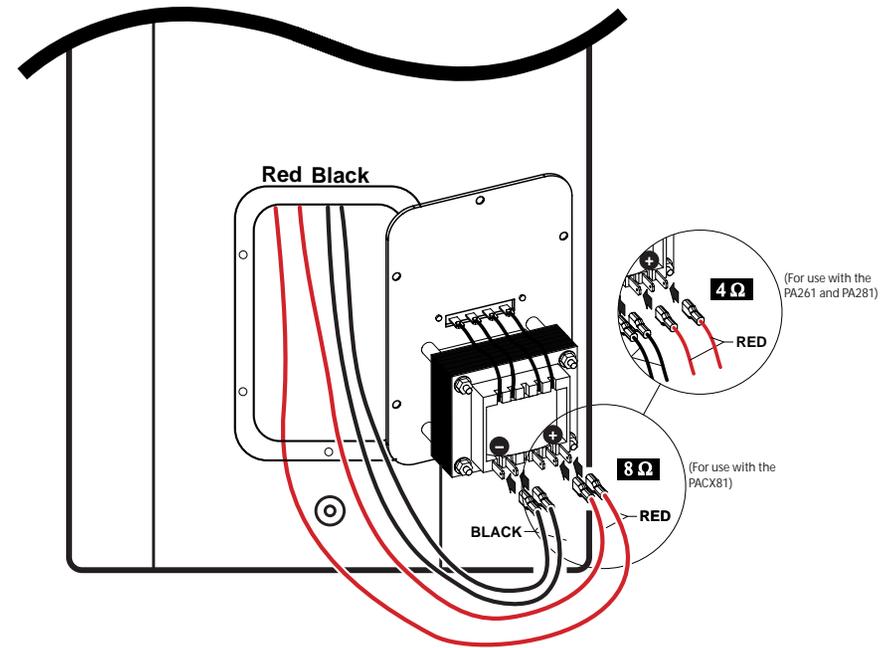
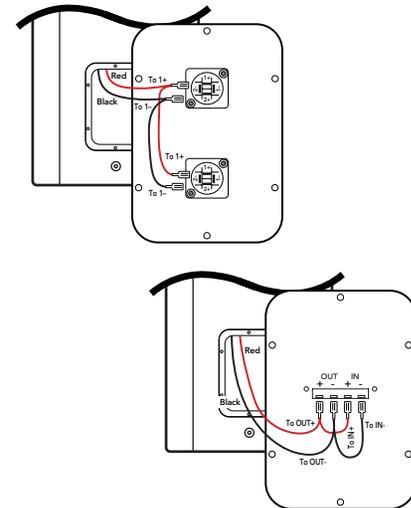


Installing the PATX60

1. Remove the six screws securing the connector plate to the back of the PACX81, PA261, or PA281 with a #2 Phillips screwdriver.



2. Remove the connector panel, being careful not to damage the gasket surrounding the opening in the back of the cabinet.
3. Disconnect the red and black wires from connectors on the panel by pulling the quick-disconnects off the terminals.



4. Connect the two red wires to the "+" terminal on the PATX60 transformer, and connect the two black wires to the "-" terminal, as shown in the above illustration.
5. Carefully place the PATX60 panel in the opening on the back of the cabinet, making sure the gasket is correctly aligned over the screw holes and the wires are not pinched between the panel and cabinet.
6. Reinstall the six screws to secure the PATX60 connector panel into place.
7. An extra serial number label is included with the Vision speakers. Install the serial number label in the space provided on the PATX60 panel. Verify that it is the same number that is on the original connector plate.

Connections

The connectors on the PATX60 are screw terminals. When using with a 70V distribution system, connect either the 15W, 30W, or 60W terminal as indicated by the top markings to the "+" side of the 70V system, and connect the COM terminal to the "-" side of the 70V system.

When using with a 100V distribution system, connect either the 30W or 60W terminal as indicated by the bottom markings to the "+" side of the 100V system, and connect the COM terminal to the "-" side of the 100V system.

DO NOT use the NC terminal in a 100V system.

