

OPERATING INSTRUCTIONS



Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risks of electrical shock — DO NOT OPEN

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer Servicing to qualified service personnel.

PERFORMANCE SERIES™

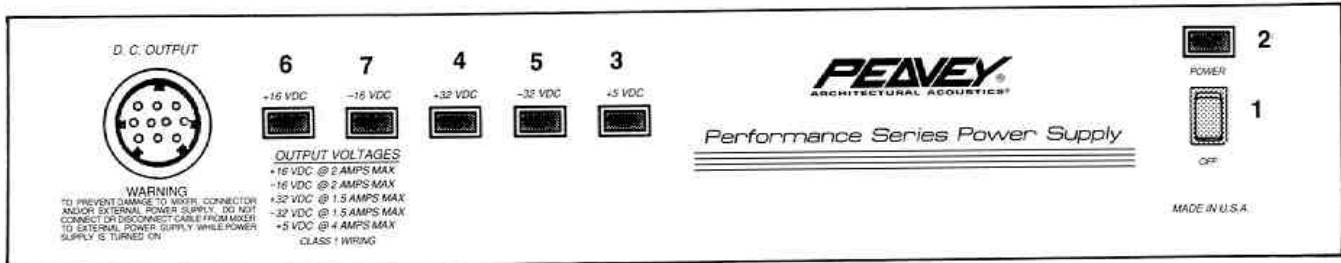
Mixing Console Power Supply



PEAVEY®

ARCHITECTURAL
ACOUSTICS®

DO NOT CONNECT/DISCONNECT DC POWER SUPPLY W/AC POWER ON!!



DESCRIPTION OF FUNCTIONS

1. Power Switch

Used to turn AC Mains power on or off

2. Power LED

Indicates that AC Mains power is connected and Power Switch (1) is in the On position

3. +5V LED

Indicates presence of +5V DC Unregulated Supply

4. +32V LED

Indicates presence of +32V DC Unregulated Supply

5. -32V LED

Indicates presence of -32V DC Unregulated Supply

6. +16V LED

Indicates presence of +16V DC Regulated Supply

7. -16V LED

Indicates presence of -16V DC Regulated Supply

8. DC Power Connection

Used to connect the DC power to the console.

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9. Power Inlet/Line Cord

The AC Mains is connected to the power supply through an IEC 320 compatible power inlet.

10. Line Voltage Select

Current line voltage setting is visible in the window in the fuse compartment cover (11). Line voltage may be user selected to 100V AC, 120V AC, 220V AC, or 240V AC 50–60 Hz. See back of Power Supply for proper fuse ratings. Contact Peavey Customer Service for information concerning operation of the Performance Series™ Power Supply at voltages other than factory settings. Alternate fuse and line cord are required.

CAUTION! Be sure to use proper AC cord and fuse.

CAUTION! Remove AC line cord before changing line voltage setting.

CAUTION! Operating the power supply at improper voltage selector setting may damage equipment or cause erratic

performance.

11. Fuse Compartment

To check or replace line fuse:

1. Turn power switch (1) to Off position.
2. Remove line cord from power inlet (9).
3. Insert a small screwdriver in the fuse compartment, pry point (12) and remove fuse cover.
4. Inspect and replace fuse.
5. Replace fuse cover.
6. Replace line cord.

NOTE: If fuse is blown, verify that line voltage selector is set to the correct voltage.

NOTE: If fuse continues to blow, take power supply and console to an authorized Peavey Service Center.

CAUTION! Be sure to replace fuse with same type and rating as described on the back of the power supply chassis for intended line voltage.

TECHNICAL DESCRIPTION

The Performance Series Power Supply is a conventional linear DC power supply. A special low flux density linear transformer is used to minimize hum radiation. The transformer is a special low profile design which allows the Performance Series Power Supply to take up only two (2) rack spaces. Multiple isolated supplies are used to insure minimum loading interactions. The two regulated supplies use large filter capacitors and high ripple rejection linear regulators. Overrated 3 amp devices and a massive external aluminum heatsink assure reliable operation in even the most hostile environments. To further reduce power supply impedance, all supplies have additional filtering in the console. The supply is packaged in a rugged heavy gauge steel chassis to provide years of trouble free service.

PERFORMANCE SERIES™ MIXING CONSOLE POWER SUPPLY SPECIFICATIONS

LINE VOLTAGE

100V, 120V, 220V, 240V AC 50-60 Hz 350 Watts maximum

OUTPUT VOLTAGES

+16V DC $\pm 5\%$ @ 2 amps maximum
 -16V DC $\pm 5\%$ @ 2 amps maximum
 +32V DC Unregulated @ 1.5 amps maximum
 -32V DC Unregulated @ 1.5 amps maximum
 +5V DC Unregulated @ 4 amps maximum

PHYSICAL

Overall Maximum Dimensions:
 3.5' x 19" x 12.5" (88mm x 482mm x 317mm)

WEIGHT

25 lbs. (11.3 Kg)

WARNING: Do not connect or disconnect DC power connector on either the power supply or the console with power applied. Always be sure that AC power is off and all Voltage Status lights are out before connecting or disconnecting DC power connector. Damage to the connectors or to the console may result. Additionally, damage to equipment connected to the console may occur due to the uncontrolled signal transients that may occur.

WARNING: TO PREVENT ELECTRICAL SHOCK OR FIRE HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. BEFORE USING THIS APPLIANCE, READ THE OPERATING GUIDE FOR FURTHER WARNINGS.

⚠ DANGER ⚠

EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY IN SUSCEPTIBILITY TO NOISE INDUCED HEARING LOSS, BUT NEARLY EVERYONE WILL LOSE SOME HEARING IF EXPOSED TO SUFFICIENTLY INTENSE NOISE FOR A SUFFICIENT TIME.

THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAS SPECIFIED THE FOLLOWING PERMISSIBLE NOISE LEVEL EXPOSURES:

DURATION PER DAY IN HOURS	SOUND LEVEL (dBA, SLOW RESPONSE)
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
¾	110
½ or less	115

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS OF THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS.

EAR PLUGS OR PROTECTORS IN THE EAR CANALS OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS IF EXPOSURE IS IN EXCESS OF THE LIMITS AS SET FORTH ABOVE. TO INSURE AGAINST POTENTIALLY DANGEROUS EXPOSURE TO HIGH SOUND PRESSURE LEVELS, IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS SUCH AS THIS AMPLIFICATION SYSTEM BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

⚠ CAUTION ⚠

THIS MIXING CONSOLE EFFECTS DEVICE/PREAMP HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE SIGNAL (VOLTAGE) FOR PLAYING MODERN MUSIC. IMPROPER USE OF THE GAIN/EQUALIZER CONTROLS AND/OR IMPROPER USE OF INTERNAL/EXTERNAL BUSES **MAY** CREATE CLIPPING (SQUARE WAVES) AND POSSIBLY CAUSE SUBSEQUENT DAMAGE TO THE LOUDSPEAKER SYSTEMS. EXTENDED OPERATION OF THE GAIN/EQUALIZATION CONTROLS IN THEIR MAXIMUM POSITIONS IS THEREFORE **NOT** RECOMMENDED PLEASE BE AWARE THAT **MAXIMUM POWER** CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE **GAIN/EQUALIZATION** CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

IT IS COMMON PRACTICE AMONG USERS OF SOUND REINFORCEMENT EQUIPMENT TO IDENTIFY THE INDIVIDUAL CHANNELS WITH A STRIP OF TAPE PLACED ABOVE OR BELOW THE ROW OF VOLUME FADERS. MANY TYPES OR BRANDS OF TAPE HAVE A VERY STRONG ADHESIVE WHICH CAN INHIBIT THE PAINT ON THE FACEPLATE AND ACTUALLY REMOVE THE PAINT WHEN THE TAPE IS REMOVED. WE STRONGLY RECOMMEND THAT SCOTCH TAPE NOT BE USED ON PAINTED SURFACES NOR ANY OTHER TAPE THAT IS NOT ESPECIALLY DESIGNED FOR SUCH APPLICATIONS. MEDIUM OR LIGHT ADHESIVE MARKING OR PAPER LABEL TAPE IS RECOMMENDED IF TAPE IS USED. ANY TAPE LEFT ON PAINTED SURFACE FOR EXTENDED PERIODS WILL BE DIFFICULT TO REMOVE. NEVER USE CLEAR OR SCOTCH TAPE FOR THESE APPLICATIONS.

- Read all safety and operating instructions before using this product.
- All safety and operating instructions should be retained for future reference.
- Obey all cautions in the operating instructions and on the back of the unit.
- All operating instructions should be followed.
- This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
- This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
- This product should not be placed near a source of heat such as a stove, radiator or another heat producing amplifier.
- Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
- Never break off the ground pin on the power supply cord. For more information on grounding write for our free booklet "Shock Hazard and Grounding."
- Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
- The power supply cord should be unplugged when the unit is to be unused for long periods of time.
- If this product is to be mounted in an equipment rack, rear support should be provided.
- Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag, or an ammonia based household cleaner if necessary.
- Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
- This unit should be checked by a qualified service technician if:
 - The power supply cord or plug has been damaged.
 - Anything has fallen or been spilled into the unit.
 - The unit does not operate correctly.
 - The unit has been dropped or the enclosure damaged.
- The user should not attempt to service this equipment. All service work should be done by a qualified service technician.

LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THIS LIMITED WARRANTY IS THE ONLY EXPRESSED WARRANTY ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action, is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.



Features and specifications subject to change without notice.

A Division of Peavey Electronics Corporation

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