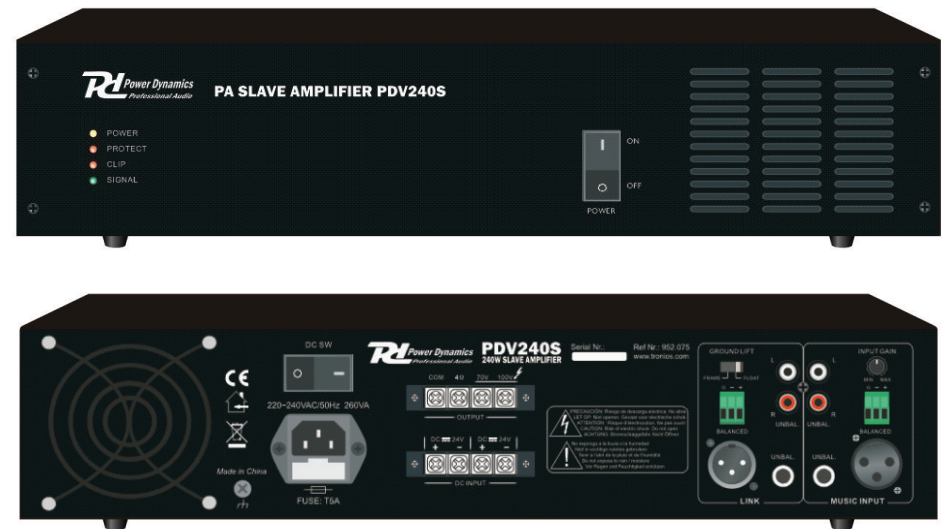




# PDV-240S Public Address Boost Amplifier



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**952.075 PDV240S  
240W/100V  
Boost Amplifier**

NF00214

## SAFETY INSTRUCTIONS



The symbol is used to indicate that some hazardous live terminals are involved with in this apparatus, even under the normal operating conditions



The symbol is used in the service documentation to indicate that specific component shall be only replaced by the component specified in that documentation for safety reasons



Protective Ground Terminal



AC mains (Alternating Current)



Hazardous Live Terminal

**ON:** Denotes the apparatus turns on

**OFF:** Denotes the apparatus turns off, because of using the single pole switch, be sure to unplug the AC power to prevent any electric shock before you proceed you service

### WARNING:

Describes precautions that should be observed to prevent the danger of injury or death to the user



Disposing of this product should not be placed in municipal waste and should be separate collection.

### CAUTION:

Describes precautions that should be observed to prevent damage to the apparatus.

## WARNING

### ● Power supply

Enesure the source voltage matches the voltage of the power supply before turning ON the apparatus.  
Unplug this apparatus during lightning storms or when unused for long periods of time

### ● External Connection

The external wiring connected to the output hazardous live terminals requires installation by an instructed person, or the use of ready-made leads or cords

### ● Do not Remove any Cover

There are maybe some are as with high voltages inside, to reduce the risk of electric shock, do not remove any cover if the power supply is connected, The cover should be removed by the qualified personnel only.  
No user serviceable parts inside

### ● Fuse

To prevent a fire, make sure to use fuses with specified standard (current ,voltage, type). Do not use a different fuse or short circuit the fuse holder  
Before replacing the fuse, turn OFF the apparatus and disconnected the power source

### ● Protective Grounding

Make sure to connect the protective grounding to prevent any electric shock before turning ON the apparatus  
Never cut off the internal or external protective grounding wire or disconnect the wiring of protective grounding terminal.

### ● Operating Conditions

This apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on this apparatus.  
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.  
Do not use this apparatus near water.  
Install in accordance with the manufacturer's instructions, Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.  
Do not block any ventilation openings.  
No naked flame sources, such as lighted candles, should be placed on the apparatus

## IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions
- Follow all instructions
- Keep these instructions
- Heed all warnings
- Only use attachments / accessories specified by the manufacturer

### ● Power cord and plug

Do not defeat the safety purpose of the polarized or grounding type plug.  
A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety.  
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.  
Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

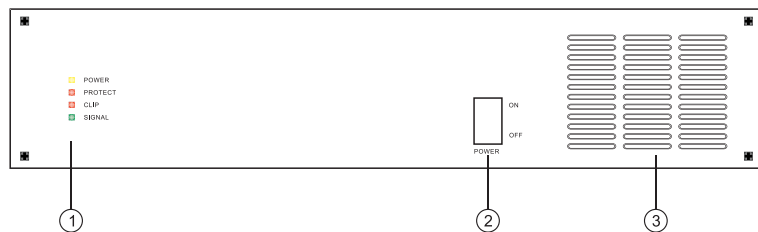
### ● Cleaning

When the apparatus needs a cleaning, you can blow off dust from the apparatus with a blower or chean with rag etc.  
Don't use solvents such as benzol, alcohol, or other fluids with very strong volatility and flammability for cleaning the apparatus body, Clean only with dry cloth.

### ● Servicing

Refer all servicing to qualified personnel, To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.  
Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

## FRONT PANEL



### 1. INDICATION LEDS

Indication LEDs are : Power for incoming mains AC ; Protect LED to indicate that the unit is under protection mode when the temperature rises to a maximum level and the incoming signal is muted ; Clip to show that the incoming signal level is too high, typically above +4dB ; and Signal LEDs with two levels of -40dB and -10dB.

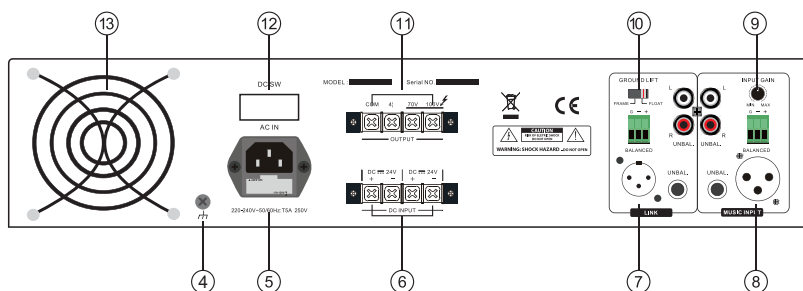
### 2. POWER SWITCH

For switching mains ac supply and the corresponding LED shall lit. Mains LED shall not lit whenever only DC back up supply is connected.

### 3. FRONT VENT

Ventillation holes for hot air which is blown out from the unit. Kindly ensure there is sufficient clearance for heat dissipation in your installation.

## REAR PANEL



### 4. "GND" SCREW

In case the used mains outlet does not provide a ground conductor, this screw offers the possibility to ground the amplifiers metal parts. Nevertheless, you should leave this procedure to the experienced, qualified electrician.

## 5. AC CONNECTOR AND AC FUSE

This connector is meant for the connection of the supplied mains cord, The fuse protects the alternating currents supply circuit of the equipment. The fuse can only be changed in the event of a fault.

## 6. DC SUPPLY

Connect back up DC supply from batteries to the connectors using appropriate cable size. Check the rating of amplifier used and the corresponding cable load-size as undersize wire may cause cable overheat and eventually lead to fire.

## 7. LINK OUTPUT

RCA unbalanced output and Euroblock connector balanced output.

## 8. MUSIC INPUT

RCA unbalanced input and Euroblock connector balanced input.

## 9. INPUT GAIN

General volume control.

## 10. GROUND LIFT

Ground lift selects float or frame.

## 11. SPEAKER OUTPUT

Speaker terminals are available in 4 Ohm, 70 and 100V line outputs. Use only one type of loading, ie. do not tap 70V output together with 100V line.

Total load should not exceed the capacity of the unit's rating. The total speakers combined should have impedance higher than stated in the corresponding output terminals to avoid overloading.

Do not parallel two amplifiers in order to gain higher power rating as this may cause overloading in the event that any one of them failed. The amplifier is not designed for parallel configurations.

## 12. CIRCUIT BREAKERS

Manual resettable circuit breakers replaces the conventional fuse replacement, thus easier maintenance. the DC is for the internal DC voltage.

## 13. VENT FAN

External cool air is drawn to the unit's heat sink via the dual speed fan. Whenever the heatsink temperature rises to above 45 deg celcius, the fan speed shall be automatically increased.

## TECHNICAL SPECIFICATION

OUTPUT POWER CAPACITY	RMS: 240W
POWER SUPPLY	AC: 220-240V 50/60Hz
DC SUPPLY	DC 24V
INPUT SENSITIVITY	0dB/1KHz(1.0V/1KHz)
FREQUENCY RESPONSE	30-20KHz 0/-3dB
TOTAL HARMONIC DISTORTION	<0.5%
SIGNAL / NOISE RATIO	>85dB
INPUT GAIN CONTROL	-80dB to 0dB
OUTPUT FOR SPEAKERS/OHMS	4 $\Omega$
OUTPUT FOR SPEAKERS/VOLTS	70V, 100V
PROTECTIONS	Thermal overload / Momentary short circuit
DIMENSION	420X280X88.8mm



## CE Declaration of Conformity

Importer: TRONIOS BV  
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7602 KM – ALMELO  
The Netherlands  
Tel : 0031546589299  
Fax : 0031546589298

Product number: **952.075**

Product Description: **PDV120S 120W/100V  
Boost Amplifier**

Regulatory Requirement: EN 60065  
EN 55013  
EN 55020  
EN 61000-3-2  
EN 61000-3-3

The product meets the requirements stated in the above mentioned Standards.

13-12-2012

Signature :

A handwritten signature in black ink, appearing to be 'J. de'.