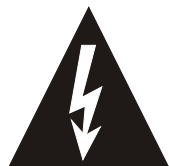




SAFETY INFORMATION

- Read all documentation before operating your equipment. Retain all documentation for future reference.
- Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
- Do not spill water or other liquids into or on the unit.
- Make sure power outlets conform to the power requirements listed on the back of the unit.
- Do not use the unit if the electrical power cord is frayed or broken.
- Always operate the unit with the AC ground wire connected to the electrical system ground.
- Have gain controls on amplifiers turned down during power-up to prevent speaker damage if there are high signal levels at the inputs.
- Do not connect the inputs / outputs of amplifiers or consoles to any other voltage source, such as a battery, mains source, or power supply, regardless of whether the amplifier or console is turned on or off.
- Power down & disconnect units from mains voltage before making connections.
- Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
- Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may distort the normal flow of air around the unit. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of dust.
- Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages.
- Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
- Do not run the output of any amplifier back into another input.
- Do not ground the red output terminal, never connect a red output terminal to another red output terminal.
- In case of mal-function this device should be serviced by qualified service personnel only.

CAUTION



TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER OR BACK
NO USER-SERVICEABLE PARTS INSIDE
SERVICING ONLY FOR QUALIFIED PERSONNEL



PA4060

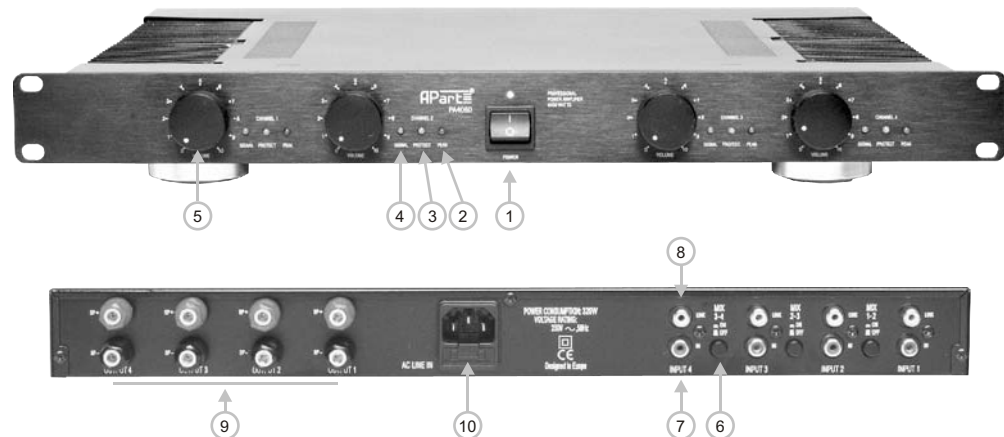


Technical specifications	PA4060
Power Rated / Max	
2 ohm	NOT ALLOWED
4 ohm	4 X 50 / 70 Watt
8 ohm	4 X 60 / 90 Watt
Input Sensitivity	0.775 Vrms/MAX input level +14dBV
Input impedance	39 Kohm / ch.
Freq. Response	15hz - 30KHz
Total harm. distortion	<0.03%
Damping factor	(4 ohm) >200
Power consumption	320 VA MAX
Dimensions (H x W x D):	44 X 483 X 325 MM
Weight	Net. 6.1 Kg

- Due to the built-in limiter, some values may differ from the specs listed above. Due to our continuous research and development, the product specifications may change without prior notice at any time.

OWNER'S MANUAL

APart 4 X 60 WATT POWER AMPLIFIER



1. Power switch

To turn the unit ON or OFF, press the upper or lower part of this button. The LED above the switch will light to indicate that the unit is ON.

CAUTION : Always turn on your power amplifier at latest, after all your other connected equipment, and always turn off your power amplifier before your other connected equipment.

2. Peak LED/limiter L & R

The red LED illuminates if the input signal of the amplifier is too high. Occasional blinking of this LED is acceptable, but if it remains (on) or more than intermittently, then you should lower the input level or reduce the output level of the preceding component to avoid audible distortion. A built-in limiter will prevent excessive RMS clipping.

If you want to bypass the limiter function, then disconnect JP1 (left channel) and JP2 (right channel) inside. Please contact a qualified technician.

3. Protection Led

The Protection Led illuminates RED when the amplifier is over-heated or when a shorted load or DC is detected on the amplifier output. The amplifier shall reset itself when the problem is solved.

4. Signal LED indicator L & R

These LEDs will light up green when the input detects audio signal.

5. Level controls

These controls the level of signal coming into each channel. Turn these controls counterclockwise if the peak LEDs illuminate steadily (indicating an overloaded input signal).

6. MIX switch

Push these switches if you want to link the input signal from one input to others.

7. Unbalanced RCA input

RCA-cinch input (mono)

8. LINK RCA output

RCA-cinch output for linking the input signal to another amplifier.

9. Output connectors (Binding Posts)

The speaker for each channel output can be connected to the screw terminal binding posts (banana jacks). (>4 ohm)

10. Fuse holder & power cord connector

This fuse holder contains an AC primary fuse. When this fuse blows, replace it with the same type fuse, size and power rating (3,15AT). If it continuously blows, stop replacing the fuse and refer servicing to qualified personnel.

CAUTION: After checking the AC supply voltage, be sure that the correct fuse is in the fuse holder. The cord connector is used to connect the AC power source to your power amplifier. **CAUTION: DO NOT REMOVE THE CENTER GROUNDING PIN.**

NOTE

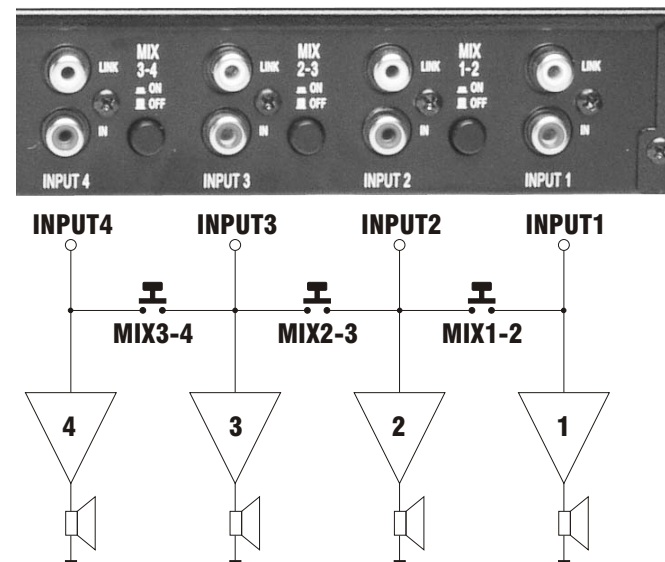
To bypass the built-in limiters, you have to remove the top cover of the unit. Inside you have to locate and remove jumper JP1 and JP2.

Please contact a qualified technician to do this.

APart 4 X 60 WATT POWER AMPLIFIER



MIX-BUTTONS



MIX button

The three MIX-buttons can be used to link the input audio signal to the amplifier next of that input.

HUMM & BUZZ

- If 'Hum' or Buzz' occurs when connecting different inputs, then this is often caused by 'GROUND' or EARTH LOOPS'. Inside you can disconnect Jp3 to break this ground loop. Please contact a qualified technician to do this.

HEATSINK



Cooling & Protection systems

This power amplifier is designed for dynamic high quality sound reproduction. Due to its low impedance driving performance, and in combination with 16 ohm loudspeakers, it is the ideal solution for well-dispersed 'background-sound' systems (many speakers at moderate sound level). This power amplifier is not designed for continuous high power applications.

Keep the amplifier in a cool 'free-air' environment, especially the side heatsinks. When the amplifier is driven into too high levels, then the 'overttemperature' protection may be activated. The 'protect' led will go from green into red. It will reset automatically if the temperature is safe again.

If you don't lower the levels and just keep on driving into high levels, then the temperature protection of the transformer may be activated. Then all LED's go out, and you have to wait 5-10 minutes before it will be reset automatically.

ALSO AVAILABLE FROM APART

- PA2120MKII : 2 X 120 Watt stereo power amplifier..



- PM7400MKII : Stereo pre-amplifier mixer.



- PIR7600I : Remote controlled stereo pre-amplifier..



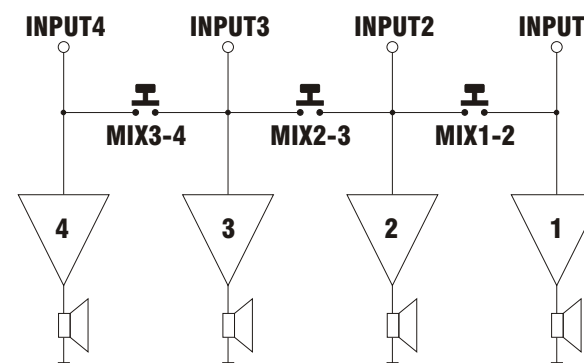
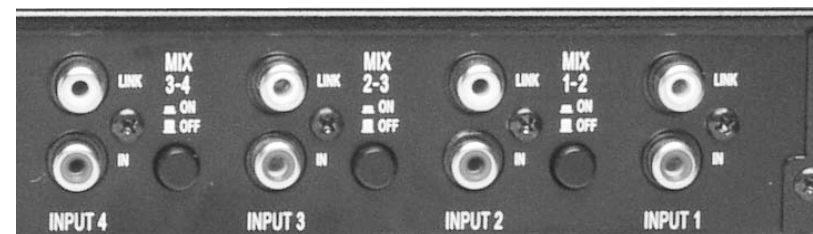
- PXQ2215 : Professional stereo equalizer - cross over



- BUZZ-STOP II : to avoid ground loops.



MIX-BUTTONS



MIX button

The three MIX-buttons can be used to link the input audio signal to the amplifier next to that input.

HEATSINK



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If you don't lower the levels and just keep on driving into high levels, then the temperature protection of the transformer may be activated. Then all LED's go out, and you have to wait 5-10 minutes before it will be rest automatically. It is very important to set the impedance switch at the rear panel according the connected speaker-impedance.

APart 4 X 60 WATT POWER AMPLIFIER



BASIC connection of the amplifiers

APart 4 X 60 WATT POWER AMPLIFIER



REMOTE VOLUME & ON connection of the amplifiers