

Artcoustic^{FII}

PA250 & PA750 Power Amplifier

Owners Manual

Professional Single Channel Amplifier



www.artcoustic.com

PA-250 & PA-750 Professional Single Channel Amplifier

Artcooustic has designed and engineered the PA-250 & PA-750 Professional Single Channel Amplifier. The PA-250 & PA-750 performs smoothly and accurately even in the most demanding conditions. The PA-250 & PA-750 is matched to all the Artcooustic subwoofer's impedance and tonality, making a perfect match with amazing detail, control and dynamics.

The PA-250 & PA-750 offers incredible single channel performance in a rack mountable chassis just 2U high. This together with its high performance and silent running dual fan speed cooling system means it is suitable for almost any application, from recording studios to commercial bars & restaurants, high quality hi-fi and home cinema systems. It features one single mono block with a total of 250 watt 8ohm and 750 watt 8 ohm.

Artcooustic PA-250 & PA-750 single channel amplifier features

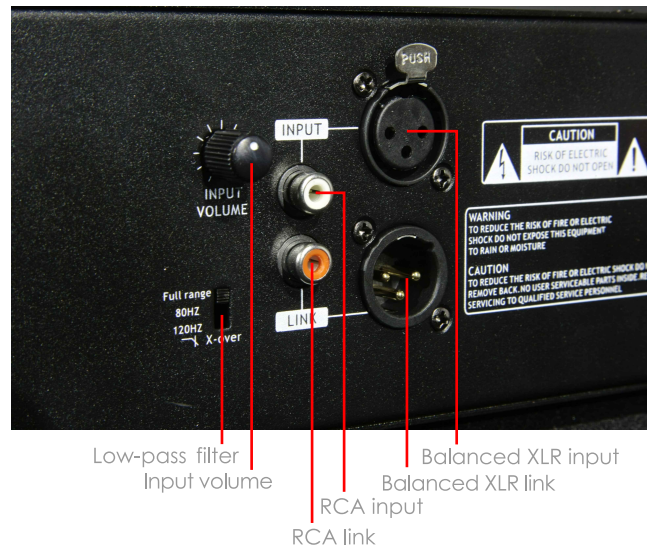
- Only 2 rack units high, means It has a very high output while occupying minimal rack space.
- Input sensitivity control.
- Signal presence and protection indicator.
- Unbalanced input via RCA connectors, balanced
- Input via XLR
- Stable performance down to 4 ohms.
- Auto turn on, turn off - signal sensing
- Crossover, **PA-250** low-pass, full range, 100 Hz. and 120 Hz. 24 dB. per octave
- Crossover, **PA-750** low-pass, full range, 100 Hz. and 400 Hz. 24 dB. per octave
- Crossover, **PA-750** hi-pass, full range, 100 Hz. and 400 Hz. 24 dB. per octave
- EQ. **PA-750** Slam, depth 1 and depth 2. Flat response, +3dB @ 35Hz. +6dB @ 35Hz.
- High current bi-polar technology.
- Single monoblock amplifier PCB design
- Extended protection circuit.
- Step less Fan system(Temperature controlled)
- Totally protected against overheating and shorting and includes DC prevention at the output stage.
- 1 year warranty.

PA-250 Technical Specification

4 ohm 400 WRMS
8 ohm 250 WRMS
Power consumption: 300 watt / 1024BTU/H

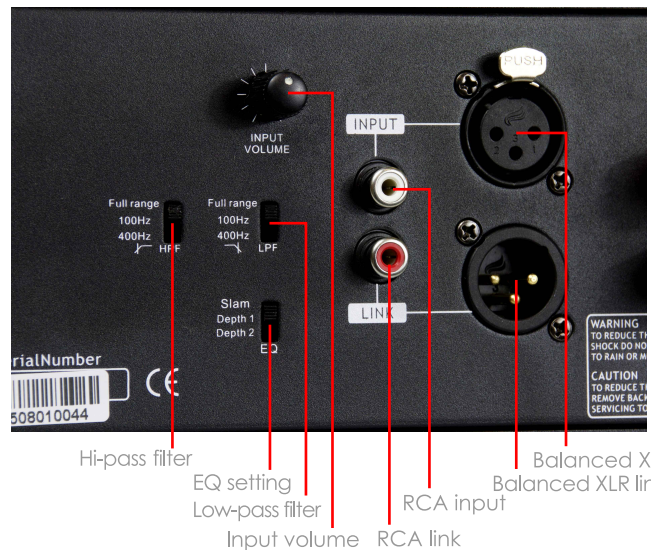
- Full range: 20 Hz-20 KHz \pm 0.5 dB
- Low-pass: 20 Hz-100 Hz 24 dB / oct. 20 Hz-120 Hz 24 dB / oct
- S/N Ratio: >95 dB
- THD (at 1 W into 8 ohms, 1 KHz): <0.05%
- Damping factor: >300
- Input impedance: 20 Kohms balanced, 10 Kohms - unbalanced
- Maximum input level: 3 V
- Load impedance: 4-8 ohm
- Input sensitivity: 1.0 (0 dB)
- Power supply: 115 V/230 V-50/60 Hz
- Cooling: Step less Fan system (Temperature controlled)
- Input terminal: RCA, XLR
- Output terminal: Binding post
- Protection: Heat, over current, Short and DC
- Dimensions (H x W x D) : 90 x 430 x 253mm
- Weight : 12.7Kg

PA-250 features



Low-pass filter
Input volume
RCA input
RCA link
Balanced XLR input
Balanced XLR link

PA-750 features



Hi-pass filter
EQ setting
Low-pass filter
Input volume
RCA input
RCA link
Balanced XLR input
Balanced XLR link

PA-750 Technical Specification

8 ohm 750 WRMS
Power Consumption: 800 watt / 2730BTU/H

- Full range: 20 Hz-20 KHz \pm 0.5 dB
- Low-pass: 20 Hz-100 Hz 24 dB / oct. 20 Hz-400 Hz 24 dB / oct
- Hi pass: 100 Hz-20 KHz 24 dB / oct. 400 Hz-20 kHz 24 dB / oct
- S/N Ratio: >105 dB
- THD (at 1 W into 8 ohms, 1 KHz): <0.05%
- Damping factor: >500
- Input impedance: 20 Kohms balanced, 10 Kohms - unbalanced
- Maximum input level: 3 V
- Load impedance: 4-8 ohm
- Input sensitivity: 1.0 (0 dB)
- Power supply: 115 V/230 V-50/60 Hz
- Cooling: Step less Fan system (Temperature controlled)
- Input terminal: RCA, XLR
- Output terminal: Binding post
- Protection: Heat, over current, Short and DC
- Dimensions (H x W x D) : 90 x 430 x 253mm
- Weight : 15.5Kg

PA-750 Front Panel



PA-750 Front Panel with optional rack mount



PA-250 Rear Panel



PA-750 Rear Panel

