



Pear Drop

**DA 180**

**Stereo Amplifier**

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# Caution:

**To avoid the risk of electric shock do not remove lid from the amplifier. If this unit fails or has a serious deterioration in performance then refer repair to the dealer where you purchased the unit.**

- 1) Please read these instructions carefully and keep them for future reference.
- 2) Please heed all warnings.
- 3) Please follow these instructions.
- 4) Do not use this apparatus near water or allow to get wet.
- 5) Keep well ventilated.
- 6) Do not install near heat sources such as radiators, stoves etc.
- 7) Protect the power cord from damage.
- 8) Disconnect from the power supply during lightning storms or extended periods of inactivity.
- 9) Refer all servicing to qualified service personnel. If the unit develops a fault of any sort please refer repair back to your dealer.
- 10) Do not force the controls or switches further than their normal stops.
- 11) Clean with a dry soft cloth. If you do use polish, then apply polish to cloth not directly to the unit.

# Introduction

The Pear Drop DA 180 is a state of the art digital amplifier that offer exceptional audio quality and power in an extremely small footprint.

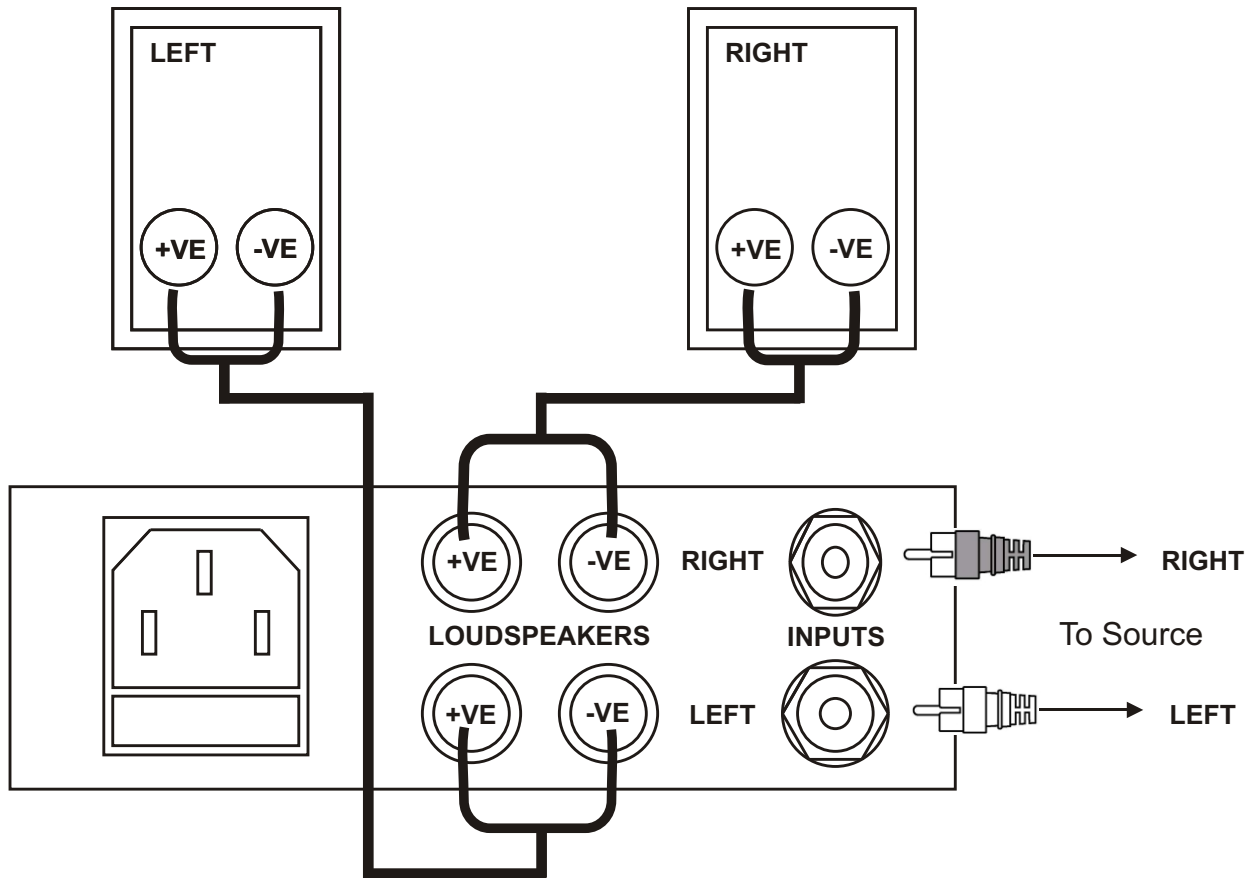
The amplifier technology in the DA 180 is a globally modulated self oscillating topology which controls the signal directly at the output. The flat, load independent frequency response, high bandwidth, low distortion, low noise and perfect transient response makes it suitable for the most demanding applications. This state of the art amplifier design is combined with a robust, low EMI, ultra efficient power supply giving the total system an efficiency of around 85% at full power.

The built in over current protection has two modes. During transients into the current limit threshold it allows constant output current but if this condition persists it goes into burst mode. This guarantees that the amplifier does not create audio holes during heavy listening but still effectively protects it during short circuiting. The thermal protection sensor is connected to the tab of one of the output devices giving a very fast detection and shut down should over-load occur.

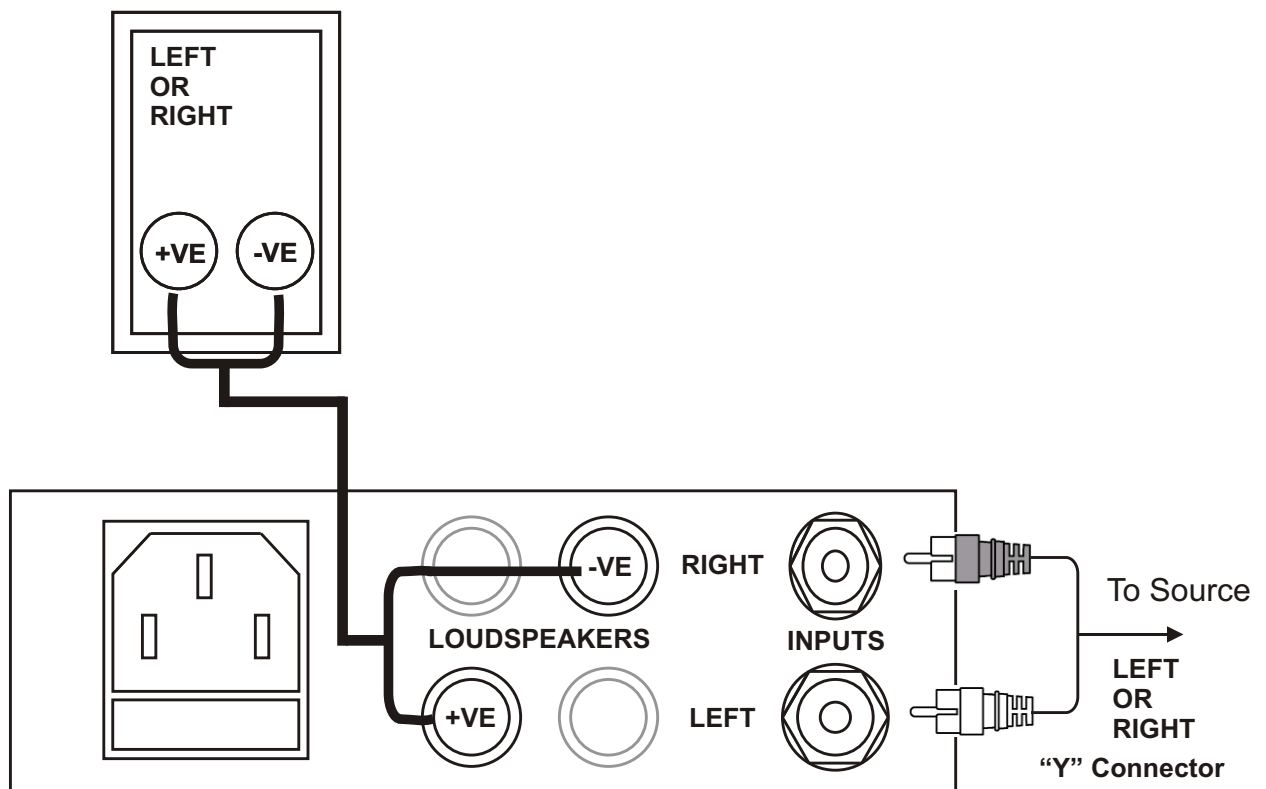
## Features

- 2x90Wrms/4ohm @ 1% THD
- 1x180W/8ohm bridged mode @ 1% THD
- 2x50Wrms/8ohm @ 1% THD
- Residual noise <40uVrms unweighted
- 20Hz – 35kHz +/- 0.5dB ( -3dB @ 60kHz )
- Cross Talk 80dB @ 1kHz and 1W
- THD+N <0,05% up to 75Wrms/4ohm @ 6,67kHz
- <1W stand by mode when delivering 150mW to signal sensing circuitry
- Over current protection
- Over temperature protection
- Over voltage protection

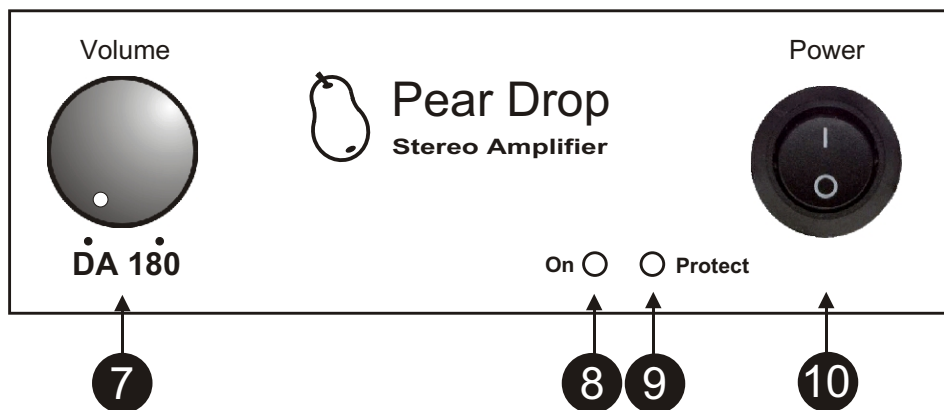
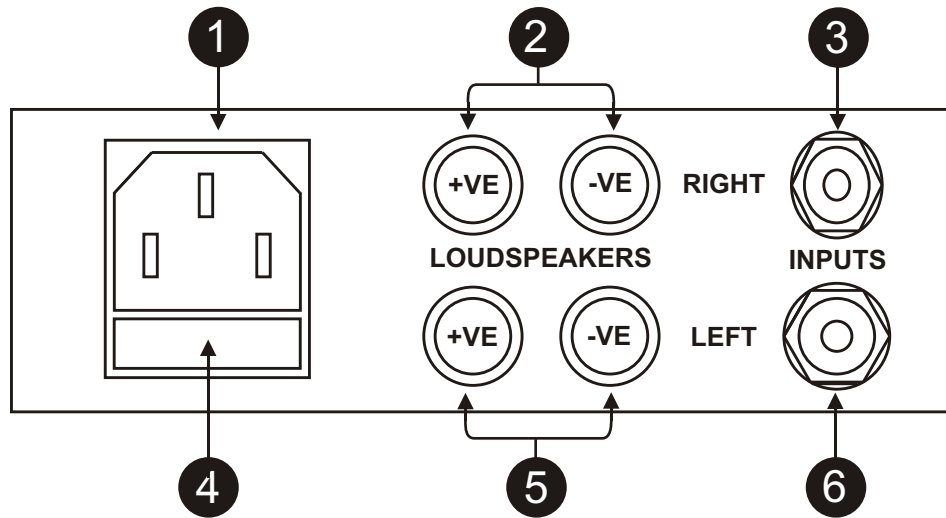
# Stereo Configuration



# Monoblock Configuration (Bridged)



# Controls and Functions



- 1) Power Inlet
- 2) Right Speaker Terminals
- 3) Right Input RCA Socket
- 4) Fuse tray with spare fuse
- 5) Right Speaker Terminals
- 6) Left Input RCA Socket
- 7) Volume Control
- 8) On indicator
- 8) Protect indicator illuminates when there is a fault present
- 10) Main Power On / Off Switch

# Specifications

<b>Power</b>	50W RMS into 8 Ohms 90W RMS into 4 Ohms 180W RMS into 8 Ohms (Bridged)
<b>Switching Freq.</b>	460kHz Typ.
<b>Idle Power</b>	8W
<b>Bandwidth</b>	60kHz Typ.
<b>Efficiency</b>	84%
<b>Input Volts</b>	200mV
<b>Input Impedance</b>	10K Ohms
<b>Dimensions</b>	255L x 131W x 50H mm
<b>Weight</b>	750g
<b>Mains Input</b>	220 - 240V 50Hz

## WEEE Consumer Notice



This product is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on Waste of Electrical and Electronic Equipment (WEEE) and, in jurisdictions adopting that Directive, is marked as being put on the market after August 13, 2005, and should not be disposed of as unsorted municipal/public waste. Please utilise your local WEEE collection facilities in the disposition and otherwise observe all applicable requirements.

