

What's in the box?

- 1 - PA253 proudly made in USA
- 1 - Owner's Manual
- 1 - 24V power supply KS100DU
- 1 - Love for audio, Decades of experience building and designing
- 0 - Efforts to change the minds of audiophiles

*Bellari*

## PA253 Stereo Power Amplifier



### SPECIFICATIONS:

Nominal Output Power	50 watts RMS @ 4 ohms 42 watts RMS @ 8 ohms
Power Stage Gain:	32.6 dB @ 8 ohms 31.4 dB @ 4 ohms
Input Impedance:	10k - 5Hz to 100kHz
Connection Output Impedance:	4 to 8 ohms speakers
Output Impedance:	< 0.32 ohms from 20 Hz to 20 kHz (Measured under 8 ohms)
Dampening factor:	> 100
Frequency Response:	3Hz to 43kHz
Phase shift:	0 Deg.
Volume Max gain:	33.7 dB no load
THD:	.015% @ 1KHz
Rise Time:	< 0.9 $\mu$ s
Slew Rate:	> 20 V/ $\mu$ s, peak-peak
DC Output Voltage:	$\pm$ 0 mV
Crosstalk:	< - 95 dB from 20Hz to 20kHz
S/N Ratio:	>100 dB unweighted
PWR:	24 VDC @ 4A (KS100DU) Included.
Power efficiency:	90%
Size:	5.5"w x 3.5"d x 1.25"h
Weight:	1.2 lbs
Indicator:	1 Power LED

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Bellari  
Salt Lake City, UT  
1/23

**Connection guide**

Thank you for purchasing the Bellari PA253. We spent a considerable amount of time designing and developing the PA253. We hope you enjoy using the PA253, and that it makes listening to your music collection rewarding. We sincerely appreciate the opportunity to build a product for you and participate in your love of quality music and sound. We love what we do and we're happy to help. All Bellari products are hand built in Salt Lake City, Utah by people who care about high quality music.

## INTRODUCTION

The PA253. At every design stage we focused on one thing, sound quality.

The chassis is made in Salt Lake City, UT. The steel sheets are cut, bent, formed and finished all by US labor. After that process the steel is then powder coated to a high gloss red all done by US labor. We silk-screen the chassis and assemble the PCB's at our Salt Lake City factory. We then flow solder the PCB's, send them to post flow assembly where we add the fragile components soldering them in by hand. We test the PCB's then send them to mechanical assembly where the PA253 is completed and tested again. The boxes that we use are made in a facility just a few miles from us. Even the out bound shipping boxes, biodegradable peanuts and printing materials are made in the US.

Yes, some of the parts used like the power adapter, jacks, knob and IC's are not made by us and come from countries other than the US. We pride ourselves on keeping as much as we can in the US including 100% of the product development and design. Even this manual was written in the US by us.

## OPERATION - CONNECTION

The PA253 is a stereo power amplifier. Connect your preferred input RCA or 3.5mm stereo. Connect a pair of speakers to the outputs. Adjust to your desired level.

## FRONT PANEL

**VOLUME:** Controls the output level for both channels.

**3.5MM INPUT:** Same functions as the RCA's on the rear just with a Stereo 3.5 MM (1/8") jack on the front for quick accessibility.

**POWER:** Main power switch for the unit.



## REAR PANEL

**RIGHT and LEFT OUTPUT:** For connection to your speakers.

**RCA INPUT:** Source input (preamp, DAC, Phono Pre or other player).

**24 VDC:** For connection to the included power supply.

