



Salt Lake City, UT
11/18

What's in the box?

- 1 - Made in USA HA543
- 1 - 15V power supply PN PS27s
- 1 - This owners manual
- 1 - Love for great audio

HA543 Headphone Amplifier

SPECIFICATIONS

Input Impedance:	10K Ohms unbalanced - 20K Balanced
Max Input Level:	+14 dBV
Input Connectors:	RCA, XLR balanced
Outputs:	1: 1/4" TRS Stereo jacks 1: 1/8" (3.5 mm) TRS Stereo jacks
Max Gain:	20 dB
Output Power:	326 mW/side, 652 mW/Channel (62 Ohms)
Frequency Response:	3 Hz - 59 kHz +/- 3 db
S/N Ratio:	92 dB
THD:	<.008%
IMD:	<.008%
Phase Shift (In to Out):	less than 10 deg.
Slew Rate:	2 V per microsecond
Crosstalk:	- 75 dB
Power	VDC (Power Supply Included)
Weight:	1 lb
Size:	4.5" x 1.5" x 3"
Headphone impedance:	8 Ohms to 600 Ohms

Connection guide

Thank you for purchasing the HA543. We spent a considerable amount of time designing and developing the HA543. Hundreds of hours listening and improving the design. We hope you enjoy using the HA543, and that it makes listening to your vinyl 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.

1 - Connect your source to the HA543's "in" RCA jack or XLR jacks.

2 - Connect the supplied PS27s adapter to the jack labeled "POWER." Do not use any other adapter, or the unit might not be happy and you would need some repair work done. Reversed polarity adapters will cause damage.
3 - Optional: Connect the RCA out to your other equipment (this is also called a pass thru or preamp out).
4 - Connect your headphones to the jack, marked "head-phones". You can use either the 1/8" or 1/4" jack or both at the same time. When using the headphone the RCA "out" is still active. The "mute" switch will only mute the headphones the RCA out is always active.
5 - Use the "enhance" switch to get the desired listening experience.
6 - Enjoy your music.

The warning section of the manual. Boring, but hey we care about your hearing.

WARNING: THE MINIMUM HEADPHONE IMPEDANCE IS 600 OHMS.

WARNING

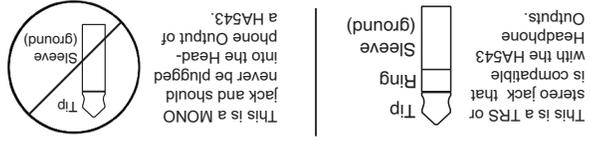
USING THIS PRODUCT AT EXCESSIVE VOLUMES CAN CAUSE PERMANENT HEARING DAMAGE.
USE AS LOW A VOLUME AS POSSIBLE

In order to use this system safely, avoid prolonged listening at excessive sound pressure levels. Please use the following guidelines established by the Occupational Safety Health Administration (OSHA) on maximum time exposure to sound pressure levels before hearing damage occurs.

90 dB SPL at 8 hours
95 dB SPL at 4 hours
100 dB SPL at 2 hours
105 dB SPL at 1 hour
110 dB SPL at 1/2 hour
115 dB SPL at 15 minutes
120 dB SPL - avoid or damage may occur



CAUTION: Plugging a mono 1/4" or 1/8" TS plug into the Headphone Out-puts on the HA543 will cause permanent damage to the unit because one side would be shorted to ground. **Never plug a mono plug into any of the Head-phones Outputs THE HA543 WILL BE PERMANENTLY DAMAGED**



The Enhance takes low quality headphones that are not very fun to listen to, and makes them much more entertaining to the listener. Switch in is active (it will be obvious) when out the HA543 is 100% completely flat.

Mutes both headphone jacks when in

Adjusts the level of signal sent to the headphones

Hard wired power switch. When out the connection from the power adapter is completely disconnected.

Headphone output's 1/4" Stereo, and 1/8" stereo jack's for connection to stereo headphones. Can be used at the same time.



Power LED.



Power input is 9-15 VDC for connection to the external Rolls PS27s power adapter.

Balanced XLR line level inputs for connection to a source with balanced outputs. When a signal is present on the XLR's signal is sent to the RCA out's.

Stereo RCA output used as a pass thru so you can use the HA543 as a headphone amp and still send the main signal out to other equipment.

RCA stereo jack for connection to a line level source such as a DAC, phone output, CD player or computer, etc.