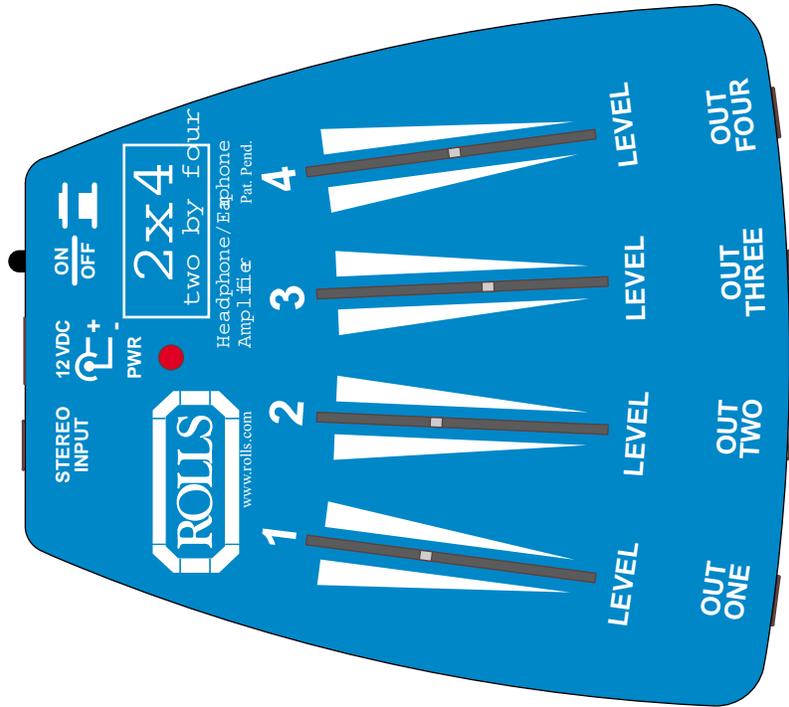


HA204^{Pat. Pend.} HEADPHONE DISTRIBUTOR



Owners Manual

LIMITED WARRANTY

This product is warranted to the original consumer purchaser to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt.

The obligation of Rolls Corporation under this warranty shall be limited to repair or replacement (at our option), during the warranty period of any part which proves defective in material or workmanship under normal installation, use and service, provided the product is returned to Rolls Corporation, TRANSPORTATION CHARGES PREPAID. Products returned to us or to an authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture.

This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility or an authorized Service Center, or any use violative of instructions furnished by us.

This one-year warranty is in lieu of all expressed warranties, obligations or liabilities. ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

HA204^{Pat. Pend.}

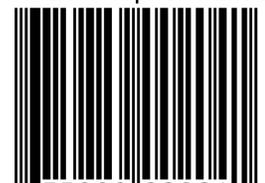
Headphone Distributor

- Single input, four output headphone/earphone amplifier
- Slider volume controls
- Battery operation / AC adapter optional
- Full frequency response
- Lots of output level, it's loud.



The HA204 is for expanding or generating headphone channels. It has a 1/8" stereo input, four volume controls, four 1/8" stereo output jacks, and is powered by a single 9 volt battery, or optional AC adapter. The unit has 20Hz to 20kHz frequency response and is small and easy to use.

HA204 Hdphone Dist.



6 75889 00204 1



Rolls Corporation
Salt Lake City, UT
3/02

INTRODUCTION

Thank you for your purchase of the HA204 Headphone Distributor (Pat. Pend.). The HA204 will power four pairs of stereo earphones or headphones for high quality audio monitoring. The unit is ideal for expanding headphone/earphone outputs on portable CD players, DVD players, electronic game units etc.

DESCRIPTION

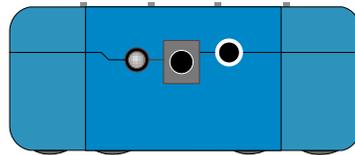
REAR

STEREO INPUT: Stereo 1/8" TRS jack for connection to a stereo line-level source.

This jack may also be connected to a stereo headphone output.

DC PWR: For connection to an optional AC power supply. Rolls Model PS27 12VDC, 150mA.

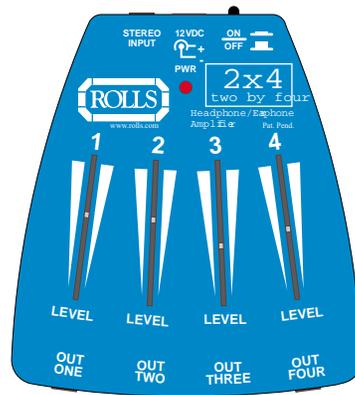
ON/OFF SWITCH: Connects/disconnects primary power to the HA204.



TOP

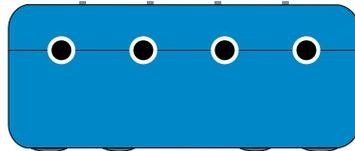
PWR LED: Indicates that the HA204 is in operation via battery power, or connected to an external AC power supply and is receiving power.

LEVEL 1 - 4: Controls the level of the indicated channel output.



FRONT

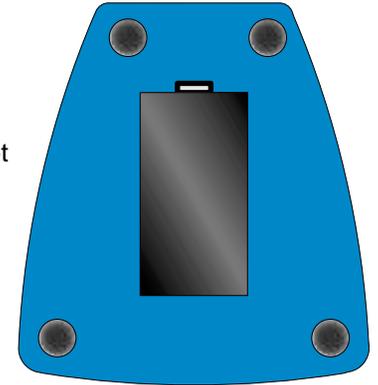
OUT ONE - FOUR: 1/8" stereo TRS jack for connection to stereo headphones/earphones.



CAUTION: *Plugging a mono plug into the Phone Outputs may cause permanent damage to the unit. Use ONLY TRS stereo plugs in these jacks.*

BOTTOM

Battery Cover: For battery replacement, carefully press in the tab at the top of the battery cover and remove the battery. Replace with new 9 volt (alkaline recommended) battery observing polarity. Place the new battery into the HA204 battery slot and replace the battery cover.



SPECIFICATIONS

Input Impedance:	100K Ω unbalanced
Max Input Level:	+14 dBV
Input Connectors:	Stereo 1/8" (3.5mm) TRS phone
Outputs:	(4) 1/8" (3.5mm) Stereo TRS phone
Output Impedance:	51 Ω each output
Max Gain:	20 dB/Channel
S/N Ratio:	>90 dB
THD:	<.008%
IMD (SMPTE)	<.008%
Power:	9V battery (not included) 12 VDC adapter (Rolls Model PS27)
Weight:	1 lbs (.45Kg)
Size:	3" x 4" x 1.25" (8 x 10 x 3.2 cm)