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 Crowson Technology, LLC under this warranty shall be limited to repairor 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 Crowson Technology, LLC, 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.

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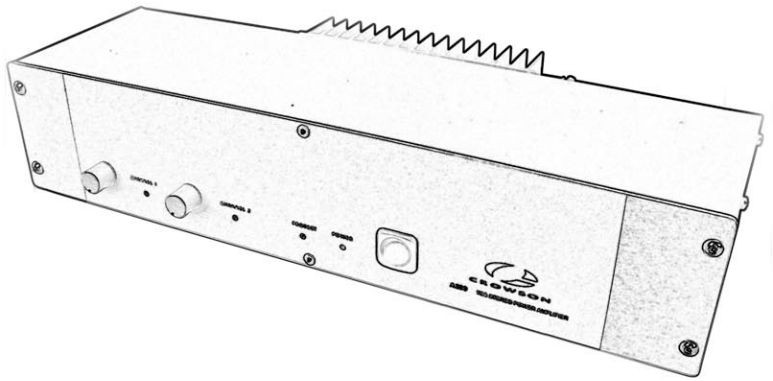

A200 STEREO POWER AMPLIFIER

OPERATING MANUAL

INTRODUCTION

Thank you for your purchase of the Crowson A200 TES Stereo Power Amplifier. The A200 is a MOSFET power amplifier which produces 85 Watts RMS per channel. It is capable of producing 170 Watts RMS when used in the bridged configuration with a single TES 100 Transducer. The A200 also contains a 200Hz Low Pass Filter which removes unnatural high frequencies from the Tactile Effect System.

INSTALLATION

Connect the CHANNEL 1 INPUT and the CHANNEL 2 INPUT to the signal source using RCA or ¼" cables. An RCA Y splitter will be necessary when using a mono signal source such as the SUB/LFE output on an A/V Receiver.

Connect a TES Transducer to OUTPUT 1 and a TES Transducer to OUTPUT 2 using the ¼" jacks or the 5 way binding posts. Turn Channel 1 and Channel 2 gain knobs fully counterclockwise (off), connect the power cord to an AC power source, and turn on the power switch. The blue power LED should light and all red LEDs should be off.

With program material running, slowly increase the gain knobs (rotate clockwise) until the desired tactile effect is achieved.

FAULT PROTECTION AND FIDELITY INDICATORS

The fault protection in the A200 limits the power to the TES Transducer when the amplifier is called upon for too much power. Overheat Fault Protection is indicated by the red "PROTECT" LED.

Adjacent to the Channel 1 and Channel 2 gain control knob are two additional red LEDs. These Fidelity Indicators will begin to illuminate at gain levels that introduce output signal distortion. Users may safely drive the A200 amplifier up to 30% beyond this level to deliver additional power to the TES transducers, although fidelity may be reduced.

BRIDGING

When using the A200 with a single transducer the output can be bridged for additional power. To bridge the A200, first ensure the power is off. Move the bridging switch to the BRIDGE position, connect the signal source to the CHANNEL 1 INPUT, and finally connect the Transducer to the two red (+) binding posts. Make no connections to the black posts. The CHANNEL 1 knob will control the gain.

SPECIFICATIONS

Power Output, Stereo	85Watts RMS/ch (6Ω)
Power Output, Bridged	170Watts RMS/ch (6Ω)
Input Connectors	RCA and 1/4" TRS balanced
Output Connectors	1/4" and 5 way binding posts
Sensitivity	0.1V for peak output
Frequency Response	Down to 1Hz +/- 1dB
Low Pass Filter	@200Hz
Input Impedance	10KΩ
Power Input	120 VAC 60Hz 2.5A 230 VAC 50Hz
Size	17" x 3.5" x 7.5"
Weight	12 lbs (5.5 kg)