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NILES AUDIO CORPORATION
HDS-4
HIGH-DEFINITION
SPEAKER SELECTION SYSTEM
HOOKUP & OPERATING INSTRUCTIONS

Please fill out and mail the enclosed warranty registration card.

NOTE TO OWNERS OF TUBE AMPLIFIERS: VIRTUALLY ALL TUBE AMPLIFIERS MUST HAVE A LOAD CONNECTED AT ALL TIMES. IF THE AMPLIFIER TO BE CONNECTED TO THE HDS-4 IS A TUBE AMPLIFIER, BE SURE TO ALWAYS HAVE AT LEAST ONE PAIR OF SPEAKERS SWITCHED ON AT ALL TIMES. AN ALTERNATIVE IS TO PERMANENTLY CONNECT A 150 OHM, 5 WATT RESISTOR ACROSS THE TUBE AMPLIFIER'S OUTPUT IN PARALLEL WITH THE HDS-4. SEE FIGURE #2 FOR THE HOOKUP DIAGRAM.

INTRODUCTION

The HDS-4 allows you to connect up to four all pairs simultaneously. You don't have to circuit that keeps your amplifier running safe, time. Isolated left and right channel ground returns including those with "isolated" or "floating" output ground speaker wire up to 8 gauge in size -- making the unit compatible

with any receiver or amplifier and play any or amplifier. The HDS-4 has a protection of speakers playing at the same time with all types of amplifiers or panel connector blocks accept at "high-definition" speaker cables.

NOTE: The HDS-4 is designed for use with a receiver or amplifier having a maximum power output of 250 Watts per channel. Damage caused by the use of a higher power receiver or amplifier will void the warranty.

CONNECTIONS

NOTE: When connecting the HDS-4 to receivers or amplifiers with "A" and "B" speaker selection, connect the HDS-4 to speaker position "A". DO NOT connect anything to speaker position "B" to prevent the amplifier from driving an unusually low impedance load.

Refer to figure #1 on the reverse side for details.

Use #18 through #8 gauge speaker wire for all connections.

The insulation on each wire should be stripped 5/16" - no more - the ends twisted tightly together, then inserted into the appropriate hole on the rear panel terminal block. Secure each wire by tightening the screw in the top of the terminal block. Be certain the proper phasing is observed, that is, connecting positive (+) terminals on the HDS-4 to positive terminals on the amplifier and speakers and negative (-) terminals on the HDS-4 to negative terminals on the amplifier and speakers.

OPERATION

Operation is straightforward. Simply depress the button(s) corresponding to the speaker pair(s) you wish to play. To turn a pair off, simply press the button again.

PROTECTION SWITCH

On the far right side of the HDS-4's front panel is a switch labeled "PROTECTION CIRCUIT". This switch is necessary to assure that your receiver or amplifier will see a safe operating load when more than one pair is playing at the same time. Since most receivers and amplifiers are only rated for use down to a 4 ohm load, you will need to activate this circuit whenever the overall system impedance might fall below 4 ohms. Use the following chart as a guide for setting the protection switch.

WHEN PLAYING THE FOLLOWING SPEAKERS	THE PROTECTION SWITCH SHOULD BE
1 or 2 Pair of 8 Ohm Speakers	OFF
3 or 4 Pairs of 8 Ohm Speakers	ON
1 Pair of 4 Ohm Speakers	OFF
2, 3, or 4 Pairs of 4 Ohm Speakers	ON
Any Combination of 4 and 8 Ohm Speakers	ON

SPECIFICATIONS

Maximum Power Handling 250 Watts per channel
 Overall Dimensions 13 7/8" Wide x 3 3/16" High x 7 1/4" Deep
 Weight 3 lbs.

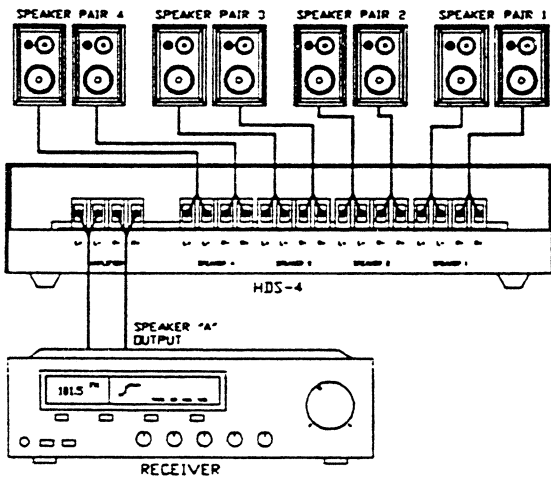


Figure 1

Example of using the HDS-4 to connect 4 pairs of speakers to a receiver or amplifier.

When connecting the HDS-4 to receivers or amplifiers with "A" and "B" speaker selection, connect the HDS-4 to speaker position "A". DO NOT connect anything to speaker position "B" to prevent the amplifier from driving an unusually low impedance load.

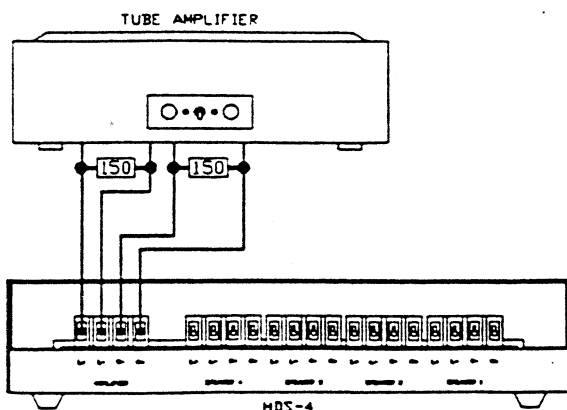


Figure 2

Example of using the HDS-4 with a tube-type amplifier.