

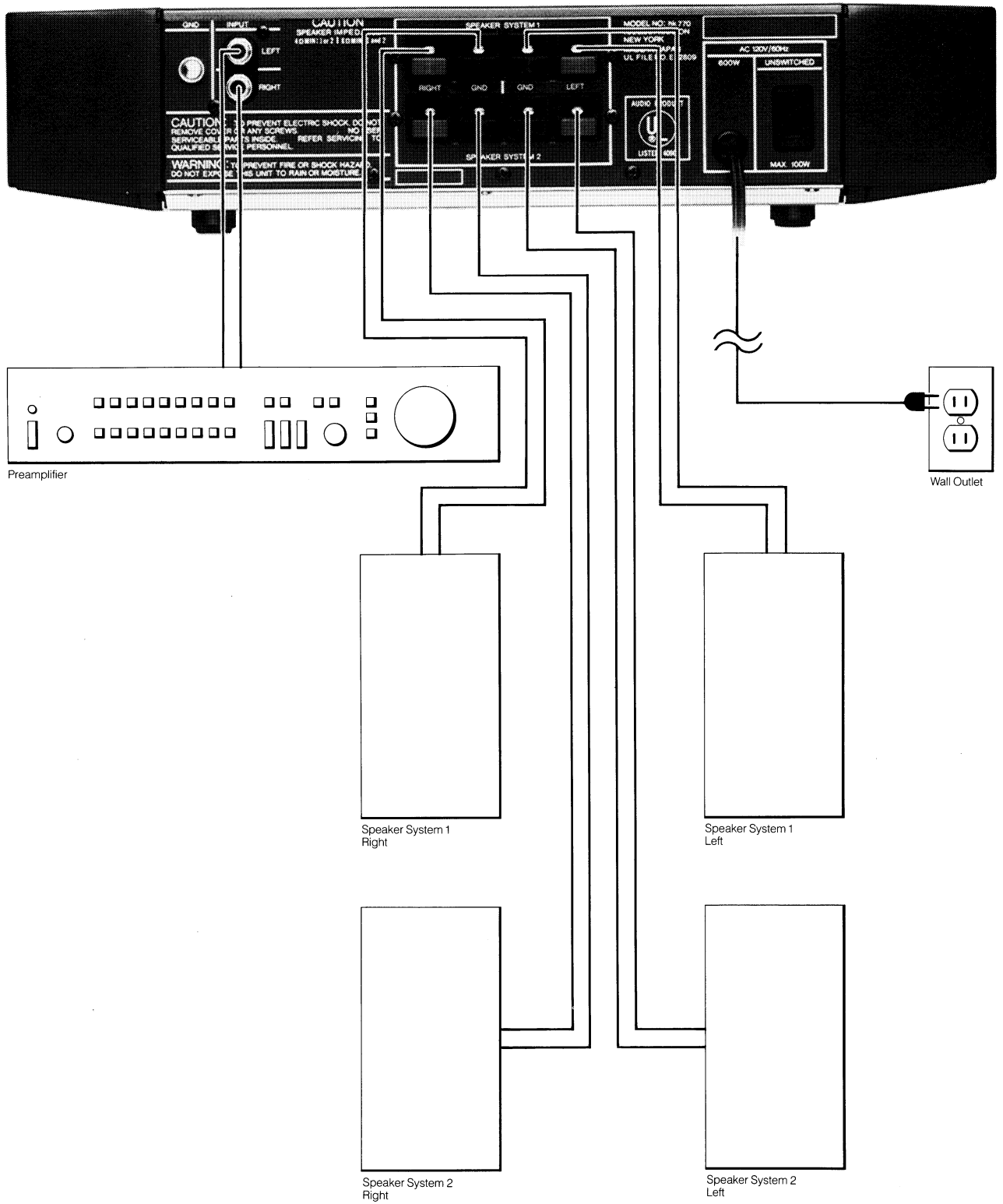
harman/kardon hk770

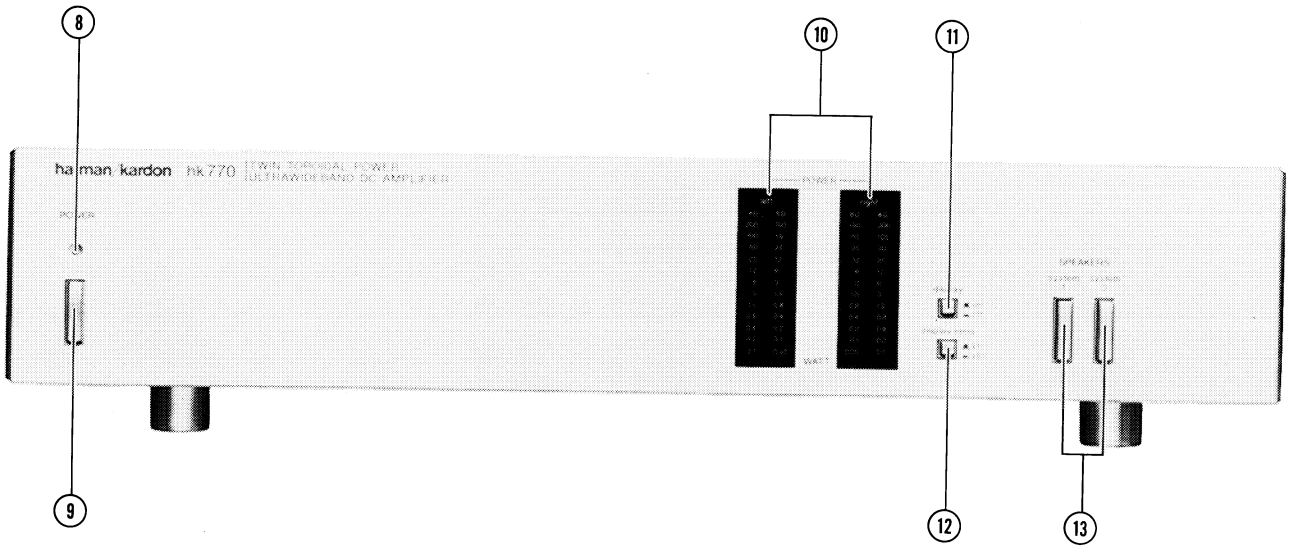
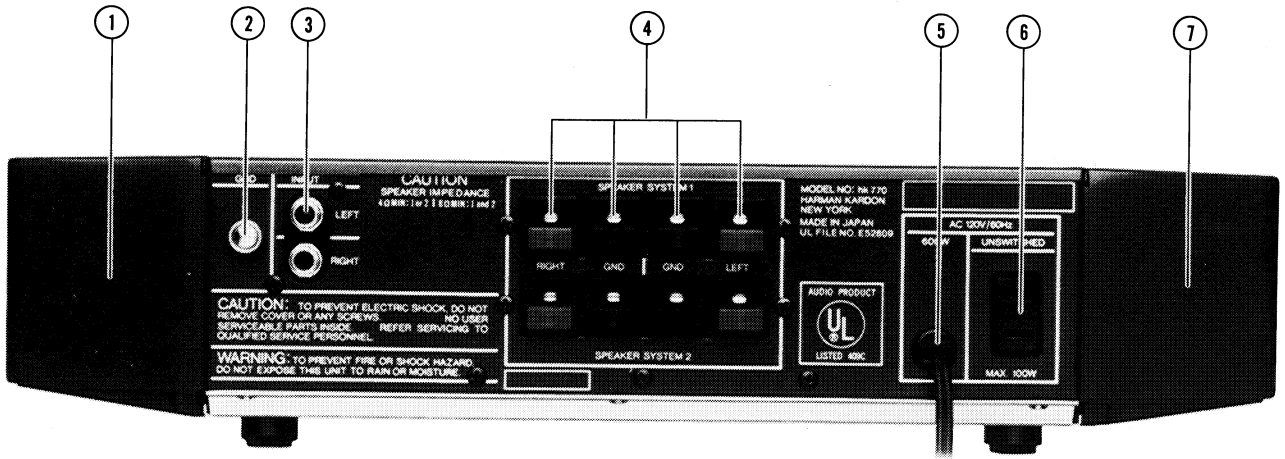
**owner's manual
manuel d'utilisation
bedienungsanleitung
istruzioni
bruksanvisning**

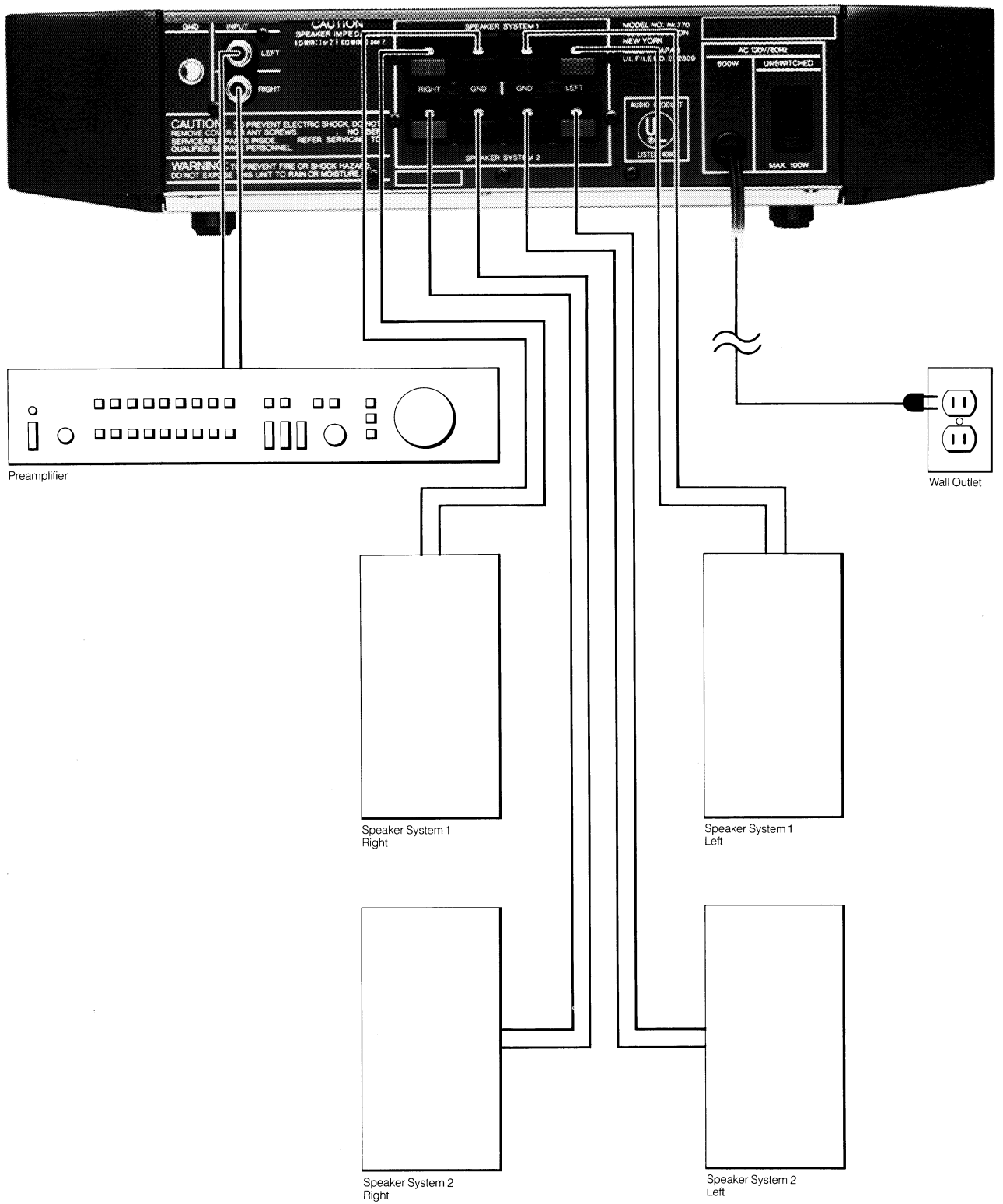
harman/kardon hk770 | TWIN TOROIDAL P
ULTRAWIDEBAND

POWER









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Owner's Manual hk770

Your investment in a component high fidelity system indicates you have a greater than average interest in music. The fact that your investment includes a Harman Kardon Twin Power DC Amplifier shows us your appreciation of uncompromised reproduction of the music you enjoy. Throughout the design and manufacture of this unit, we made every effort to assure it will meet all of your expectations.

To ensure continuing high performance, read this manual carefully before you connect and operate your hk770.

Warning: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Connections

For the moment, leave the POWER LINE CORD (5) of the hk770 unconnected. Put the unit on the shelf or table where it will be installed. Leave enough working space so you can make all connections easily.

The hk770 requires adequate ventilation. It should not be installed on a cushion or rug, and a minimum of two inches' (5cm) clearance should be provided. (However, hk700 series components may be stacked.)

Connecting speakers

Use two-conductor stranded wire to connect your speakers to the power amplifier. Eighteen (1.5mm²) gauge lamp cord (zip cord) is satisfactory, but a heavier gauge (16 or 14 gauge) (2.5 or 3mm²) is preferable, especially for distances over 25 feet (8 meters).

Cut two segments of cord long enough to reach each speaker. Separate the conductors at each end of the cord for a length of about two or three inches (5 to 7cm). Then carefully remove about one-quarter inch (5mm) of insulation from each free end. Twist the strands of each conductor so they are smooth and tight with no loose strands.

Lamp cord usually provides a "code" that differentiates between the two conductors. A conductor may be coded by a rib, sharp corner, or indentations along the length of the insulation. In some cases a thin colored thread is molded inside the insulation of one conductor. In others, one wire is darker than the other, or the insulation of each conductor is a different color.

Connect the bare ends of one segment of lamp cord to your right speaker as follows: Connect the coded conductor to the speaker's red "+" terminal, and the uncoded conductor to the black "-" terminal. Find the row of SPEAKER CONNECTORS (4) on the amplifier marked SPEAKER SYSTEM 1. Push in on the red plastic head of the connector marked RIGHT to reveal an opening above.

Insert the bare end of the coded conductor into the opening. Release the plastic head. The conductor should now be firmly locked into place. Insert the uncoded conductor into the adjacent black GND connector.

Repeat the procedure for the left speaker, taking care to observe the coding of the conductors as described for the right speaker. If the code is followed as described, your speakers will be connected "in phase" which is important for solid bass and precise lateral location of the sound source. To connect a second pair of speakers, repeat the procedure for the right and left speakers of the second pair using the amplifier terminals marked SYSTEM 2.

Warning: If two pairs (4 speakers) are to be connected, use only speakers with impedances of 8 to 16 ohms. If only one pair (2 speakers) is connected, you may use speakers with impedances of 4, 8 or 16 ohms.

Connecting the hk770 to your preamplifier

Like most stereo equipment, your hk770 is fitted with pin type RCA connectors. Using standard pin type RCA patch cords, connect the left preamplifier output connector with the left INPUT connector (3) of your hk770. Connect the right channel similarly. Push the plugs in all the way so they are firmly seated, making good electrical contact.

If your control amplifier does not accept pin type RCA connectors, consult your audio dealer for patch cords with proper adapters.

Ground terminal

The GND terminal (2) is available to ground your turntable or other equipment. Rotate the knurled thumb screw counterclockwise, placing the spade lug or bare wire beneath it. Then rotate the thumb screw clockwise, making sure the connection is tight.

AC convenience outlet*

The AC outlet (6) on the rear panel provides power connection for your control amplifier or other equipment drawing as much as 100 watts. The outlet is unswitched and provides power regardless of whether hk770 is on or off.

Power connection

If you have completed the connections above, you are now ready to place the hk770 in its permanent position and plug the POWER LINE CORD (5) into an AC outlet. To turn the unit on and off, press the POWER SWITCH (9). When power is on, the POWER indicator (8) will light.

*In some countries, owing to Safety Agency Electrical requirements, these AC receptacles are covered.

Power level display

The power output of both left and right channel of the hk770 can be monitored by observing the LEDs on the POWER LEVEL DISPLAY (10).

The display may be turned on or off with the DISPLAY pushbutton (11). With the DISPLAY SENSITIVITY pushbutton (12) in the x1 position and 4 ohm speakers connected, the power output readings will range from .1 watt to 200 watts as indicated by the outer 4 Ω scales. When 8 ohm speakers are connected, readings should be taken from the inner 8 Ω scales.

At low listening levels you may wish to increase the display sensitivity by pushing the DISPLAY SENSITIVITY pushbutton (12) to the x 0.1 position. In this position, the 4 Ω scales range from .01 watts to 20 watts, the 8 Ω scales from .005 to 10 watts.

Speaker selection

The hk770 allows you to listen to speaker system 1, speaker system 2, or both by depressing the appropriate SPEAKER selection pushbuttons (13) to their "on" positions.

Operation precautions

- 1 To guard against possible damage to your speakers or power amplifier, the hk770 incorporates automatic current protection circuits. If there is any trouble, these circuits will automatically cut power for a few seconds, then restart. If this start/stop function continues, turn power off and check for loose or crossed connections. If all connections are made properly, and the unit still cuts power, take the hk770 for qualified service.
- 2 Make sure the volume on your preamplifier has been turned down before pressing the POWER switch (9) on the hk770.
- 3 When the POWER switch (9) is turned on, there may be a short delay before sound is heard. This is due to the circuitry stabilizing itself.
- 4 The HEAT SINKS (1) (7) on the right and left sides of the hk770 may heat up during operation. Do not leave items which are easily affected by heat (records, plastics, etc.) near the heat sinks.

Maintaining appearance

Clean the metal panel with mild, diluted detergent applied with a soft cloth or cotton swab. Never use a strong abrasive cleaner.

Remove dust or smudges from the acrylic front window with diluted glass cleaner applied with a soft cloth. Do not use a strong solvent type cleaner or ammonia.

The hk770 is a high quality precision instrument. If the directions in this manual are followed thoughtfully, it should provide many years of musical pleasure.