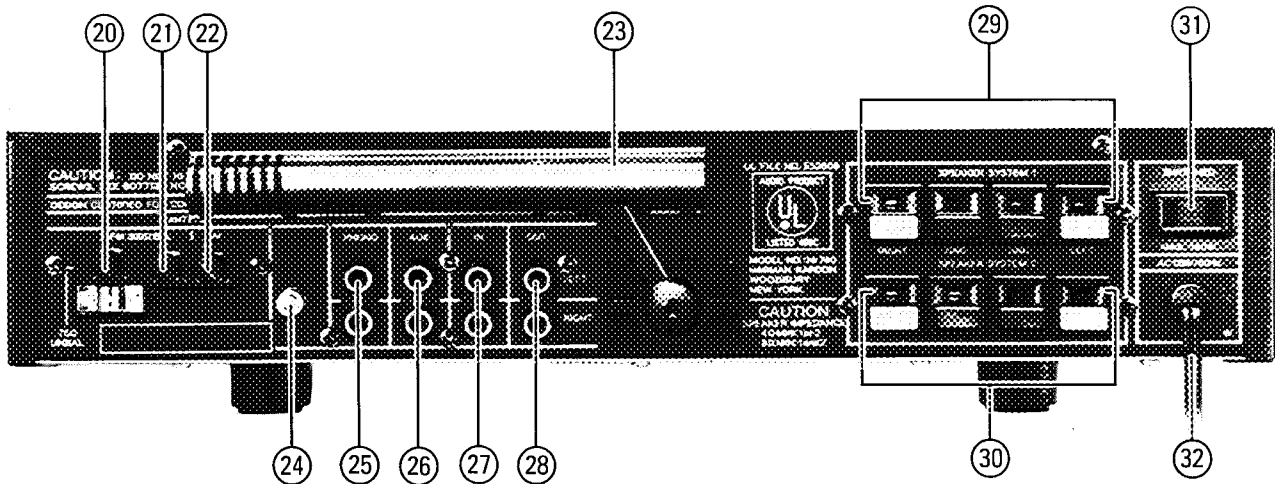
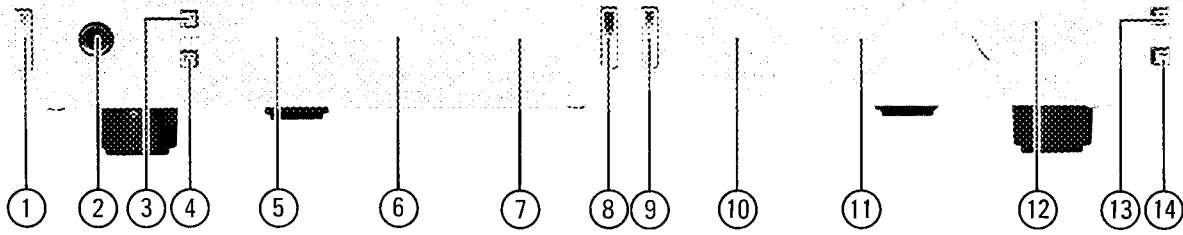
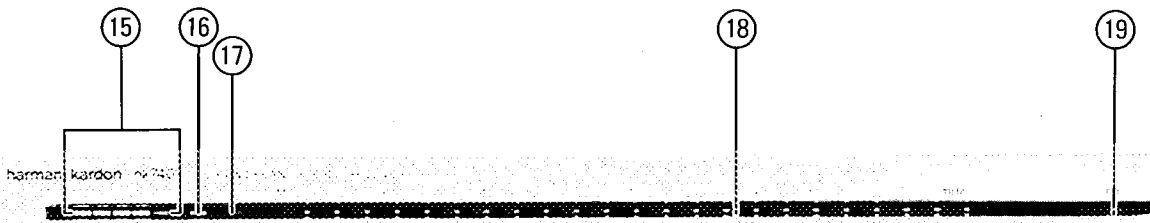


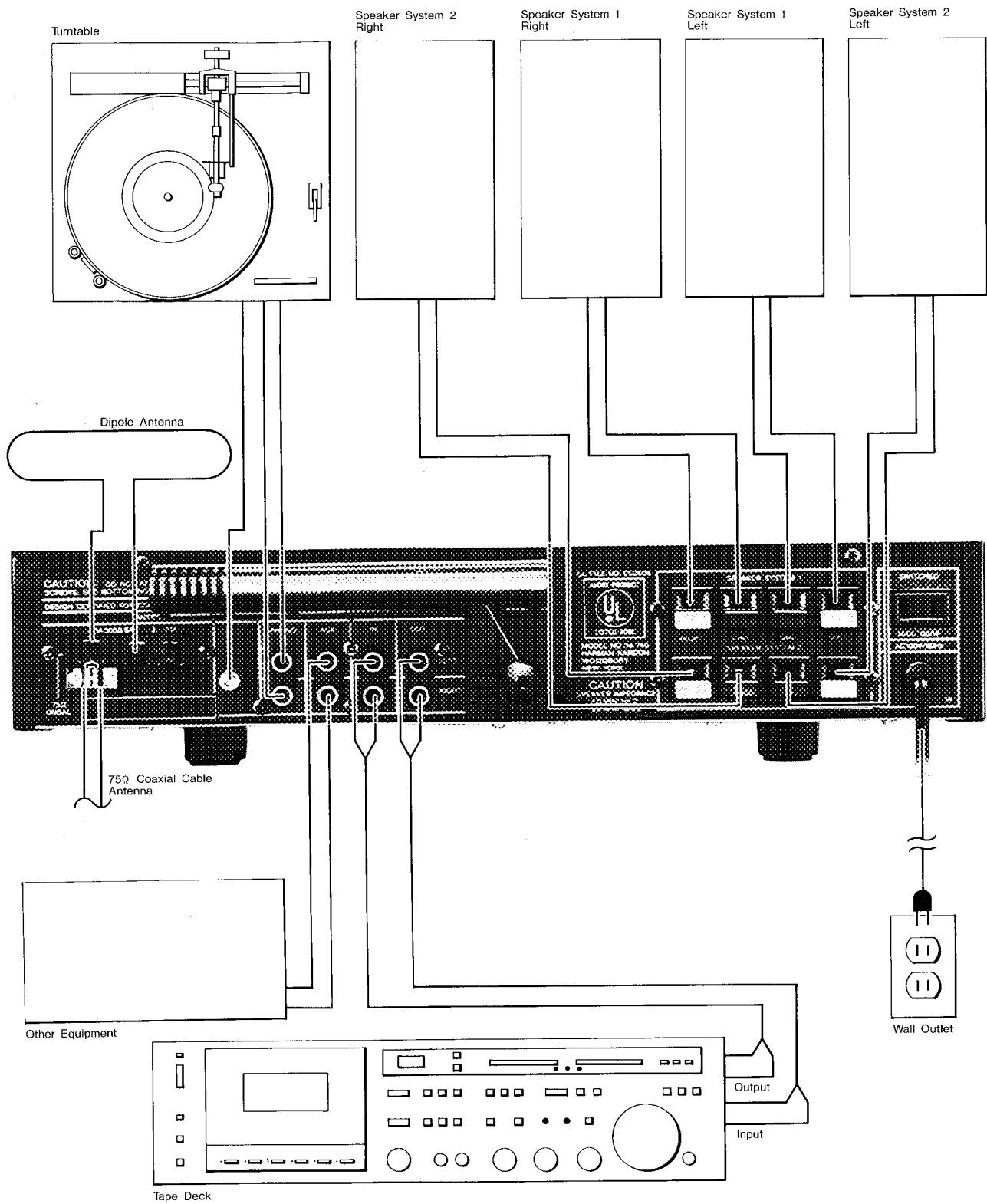
harman/kardon hk740
owner's manual





WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

DO NOT MISTAKE THE FERRITE LOOPSTICK AM ANTENNA FOR A HANDLE. ITS BRACKET CANNOT SUPPORT THE UNIT.



Owner's manual hk740

Your investment in a component high fidelity system indicates you have a more than average interest in music. The fact that your investment includes a Harman Kardon Ultra-wideband Stereo Receiver 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 hk740.

Connections

For the moment, leave the POWER LINE CORD (32) of the hk740 unconnected. Put the unit on the shelf or table where it will be installed. Leave enough space so you can make all connections easily.

The hk740 requires adequate ventilation. It should not be installed on a cushion or rug, and a minimum of two inches (5 cm) clearance should be provided above and behind. (However, hk700 series components may be stacked.)

Like most stereo equipment, your hk740 is fitted with pin type RCA connectors to accept standard pin type RCA patch cords. If these are not compatible with your other equipment, consult your audio dealer for patch cords with proper adaptors.

Connecting your turntable to the hk740

Turntables are supplied with their own signal cables. Consult the owner's manual and determine which cable is for the left channel and which is for the right channel. Insert the left channel cable into the left PHONO INPUT connector (25) on your hk740. Insert the right channel cable into the right PHONO INPUT connector (25). Push the plugs in all the way so they are firmly seated, making good electrical contact.

If your turntable has a separate ground wire, connect it to the knurled thumbscrew on the receiver marked GND (24).

Connecting your tape deck to the hk740

To connect a tape deck, connect the left output connector of your tape deck to the left TAPE INPUT connector (27) on your hk740. Now connect the right output connector of your deck to the right TAPE INPUT connector (27) on your hk740.

Using a second pair of patch cords, connect the left input connector of your deck to the left TAPE OUTPUT connector (28) on your hk740. Now connect the right input connector of your deck to the right TAPE OUTPUT connector (28) on your hk740. Push the plugs in all the way so they are firmly seated, making good electrical contact.

Connecting other equipment to the hk740

A pair of AUXILIARY INPUTS (26) is available at the rear of the hk740 for the connection of any "high level" output equipment. A special tuner for long wave, marine, aircraft or citizen's bands, etc., may be connected. Or you may choose to connect the output of the audio section of a television receiver. Any number of choices are available. Consult your audio dealer for information as to what equipment is compatible with your hk740.

Connecting speakers

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

Cut two segments of wire long enough to reach each speaker. Separate the conductors at each end of the wire segments for a length of two or three inches (5 or 7 cm). Then carefully remove about one-quarter inch (5 mm) 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 the two conductors. A conductor may be coded by a rib, sharp corner, or indentations molded along the length of the insulation. In some cases, a thin colored thread is molded inside the insulation of one conductor. In others, one conductor is darker than the other, or the insulation of each conductor is of 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 positive ("+") terminal, and the uncoded conductor to negative ("-"). (The "+" and "-" markings are in general use, although some speakers use other labelling systems, such as "1" and "2", "A" and "B" and so on.)

Find the appropriate row of speaker connectors on the receiver marked SPEAKER SYSTEM 1 (29). Push in on the red plastic head of the connector marked RIGHT to reveal an opening beneath. Insert the bare end of the coded conductor into the opening. Release the connector. The conductor should now be locked firmly into place. Insert the uncoded conductor into the adjacent black connector marked GND.

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 receiver terminals marked SPEAKER SYSTEM 2 (30).

Connecting an AM antenna

A ferrite loopstick type AM ANTENNA (23) is provided and can be rotated to improve reception. If an external AM antenna is used, connect it to the terminal marked AM (22).

Connecting FM antennas

If no outdoor antenna is available, connect the lugs of the dipole (supplied with the unit) to the FM 300Ω BAL terminals (20) and (21). The dipole can then be tacked or taped to a wall or the back of a shelf.

However, reception will be greatly improved if the receiver is connected to an outdoor FM antenna system. If you live in a fringe reception area, or if your house is situated among obstructions (such as mountains or tall buildings), you may need a more powerful, directional FM antenna.

To connect the FM antenna with a coaxial cable, carefully remove about three-quarter inch (18 mm) of outer insulation and roll up braided wire above the outer insulation. Then carefully remove about half inch (12 mm) of inner insulation. Loosen two screws fixing the holder of the antenna terminal marked 75Ω UNBAL (20) and insert the cable until the rolled up stranded wire is covered with the holder. Loosen the thumbscrew of the 75Ω UNBAL antenna terminal and fix the cable core by tightening it. Finally tighten two screws to fix the cable with the holder.

AC convenience outlet*

The AC outlet marked SWITCHED (31) on the rear panel of the hk740 provides power connection for a turntable, tape deck or other equipment. It provides power only when the receiver is turned on.

If you have completed the connections above, you are now ready to place the hk740 in its permanent position and plug the POWER LINE CORD (32) into an AC outlet. To turn the unit on and off, press the POWER switch (1).

To operate your hk740

Speaker selection and headphones

The SPEAKERS SYSTEM 1 (3) and SPEAKERS SYSTEM 2 (4) switches select the pair of speakers to be played. When either switch is depressed, the corresponding pair of speakers is activated.

The front panel HEADPHONES jack (2) accepts headphones for personal listening. Headphones may be used simultaneously with speakers if desired.

To play records

Turn the FUNCTION selector (11) to its PHONO position, activate your turntable, and advance the VOLUME control (10) clockwise to a comfortable level.

If you hear a hum at average listening levels, turn the POWER switch (1) off and check to see that phono and ground connections are secure.

To listen to broadcasts

To tune an FM station, turn the FUNCTION selector (11) to its AUTO FM position and rotate the TUNING knob (12), referring to the movement of the DIAL pointer (18) along the upper scale. When the desired FM station is tuned completely, the DETUNE indicator (16) goes off and the TUNE indicator (17) lights. When the stereo broadcast is received, the STEREO FM indicator (19) will automatically light. In the AUTO FM mode, the hk740 will automatically shift into the mono mode when signals are too weak for good stereo reception. However, this feature may be defeated by turning the FUNCTION selector (11) to the FM position.

In its "on" position (in), the FM MUTING pushbutton (13) will automatically mute the "hiss" that occurs when tuning between stations, and receiving of a weak or distant station is rejected.

When the MONO pushbutton (14) is depressed, the receiver is set to mono mode.

To tune an AM station, turn the FUNCTION selector (11) to the AM position and follow the tuning procedures explained above, reading the frequency of the AM station from the lower scale.

Signal strength is indicated by the series of five LEDs marked SIGNAL (15). As the signal gets stronger, more LEDs will light.

* In some countries, owing to SAFETY AGENCY ELECTRICAL requirements, this AC receptacle is eliminated.

Auxiliary equipment

If you have connected other equipment to the AUXILIARY INPUT connectors (26), you may listen to this program source by turning the FUNCTION selector (11) to the AUX position.

To play tapes

The TAPE MONITOR pushbutton (8) admits a program from a tape deck connected to the TAPE INPUT connectors (27). When you wish to play a program from the tape deck connected to the TAPE INPUT connectors (27), depress the TAPE MONITOR pushbutton (8).

To record tapes

The hk740 allows you to record programmed materials from any source selected by the FUNCTION selector (11).

Place the TAPE MONITOR pushbutton (8) to its "off" position (out). Activate the program source and place your tape deck in record mode.

To listen to the original program, leave the TAPE MONITOR pushbutton (8) in its "off" position (out). To monitor the new recordings as they are being made, press the TAPE MONITOR pushbutton (8) to its "on" position (in).

The VOLUME control (10), BALANCE control (7), and various other tone controls do not affect the signal at the TAPE OUTPUT connectors (28). Hence you may change the settings of these controls without altering a tape recording in progress.

Volume, balance, loudness and tone controls

To increase the volume, turn the VOLUME control (10) clockwise. The BALANCE control (7) shifts the sound to one speaker or the other.

The BASS and TREBLE controls (5) (6) affect the frequency balance of the program material. Their neutral positions are at 12 o'clock. Turning the TREBLE control (6) clockwise increases the high frequencies. The BASS control (5) has the same effect on low frequencies.

When the LOUDNESS pushbutton (9) is depressed (in), very high and very low frequencies are boosted at low settings of the VOLUME control (10). This compensates for the ear's relative insensitivity to extreme frequencies at low volume levels. The LOUDNESS pushbutton (9) has very little effect at volume settings beyond 12 o'clock.

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 hk740 is a high quality precision instrument. If the instructions in this manual are followed thoughtfully, the receiver should provide many years of musical pleasure.