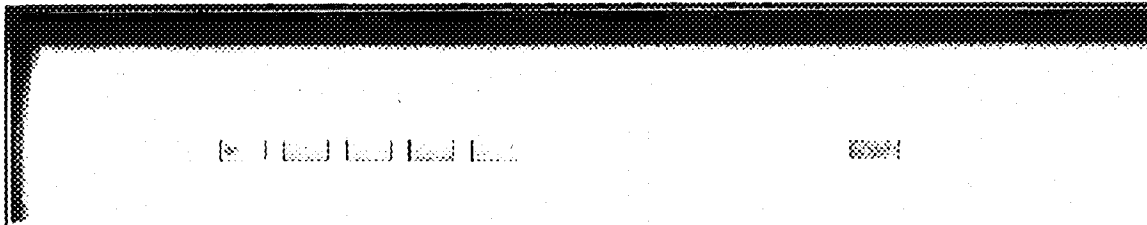


harman/kardon hk350i  
owner's manual

ULTRAWIDEBAND LINEAR PHASE STEREO RECEIVER



POWER



speakers

1



2



HEADPHONES



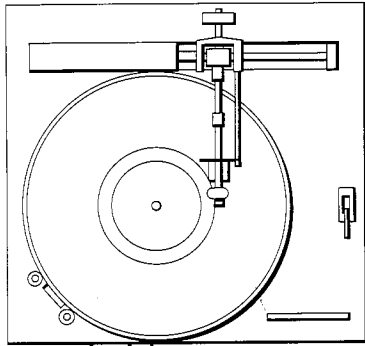
BASS



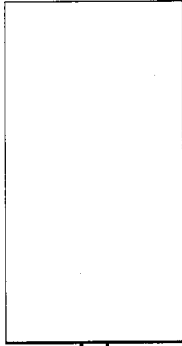
TREBL



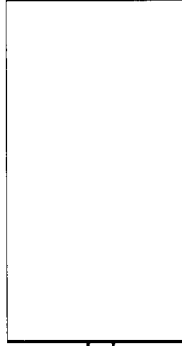
Turntable



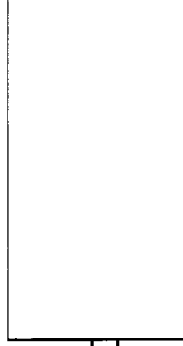
Speaker System 2  
Right



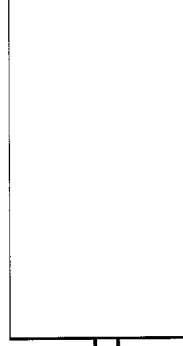
Speaker System 1  
Right



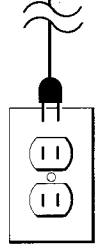
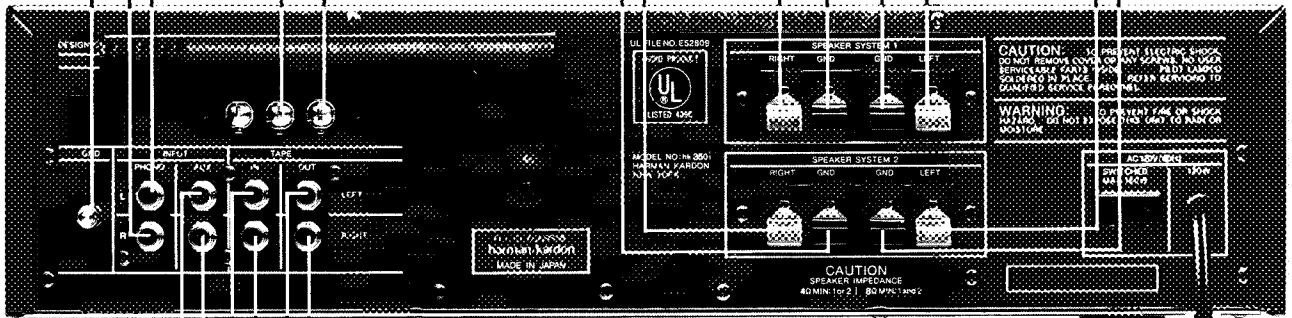
Speaker System 1  
Left



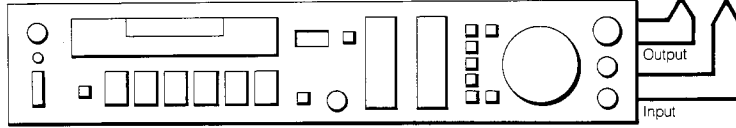
Speaker System 2  
Left



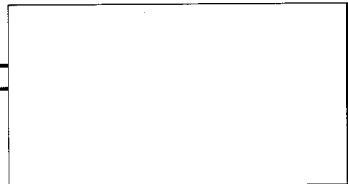
Dipole Antenna



Wall Outlet



Tape Deck



Other Equipment

14 15 16 17 18 19 20 21 22 23

FUNCTION

tape monitor



▲ monitor  
■ source

phono



auto fm



am



aux

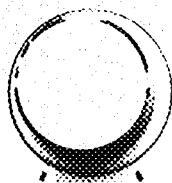


loudness

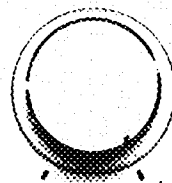


▲ on

BALANCE

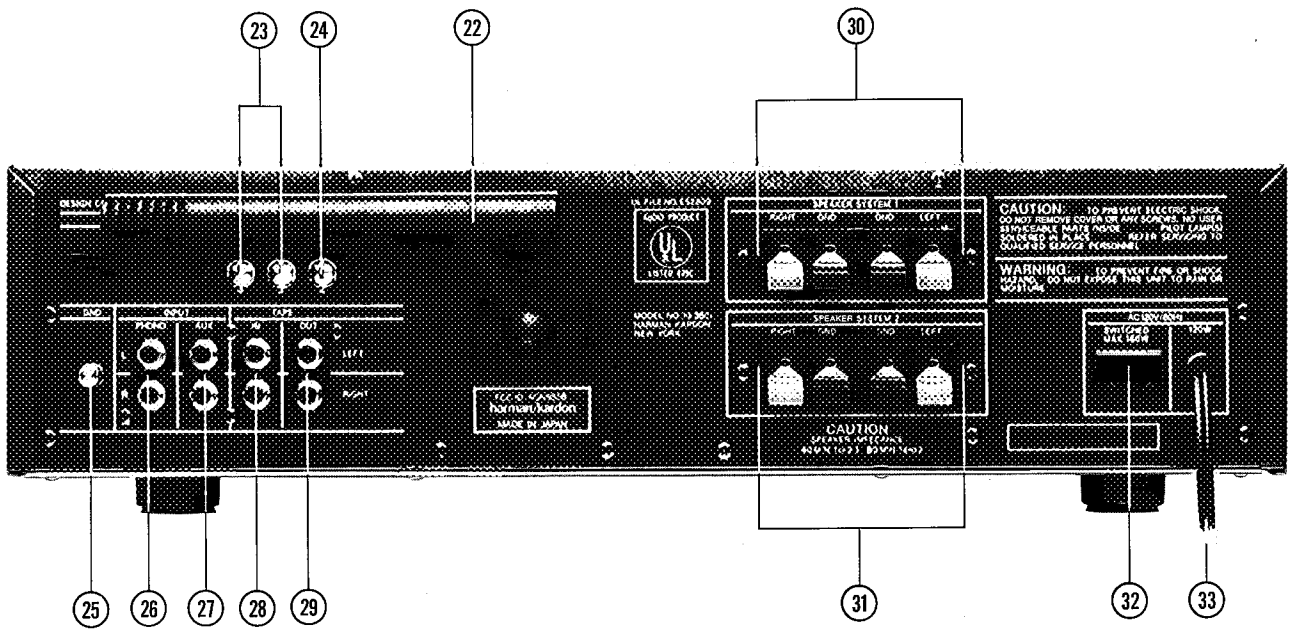
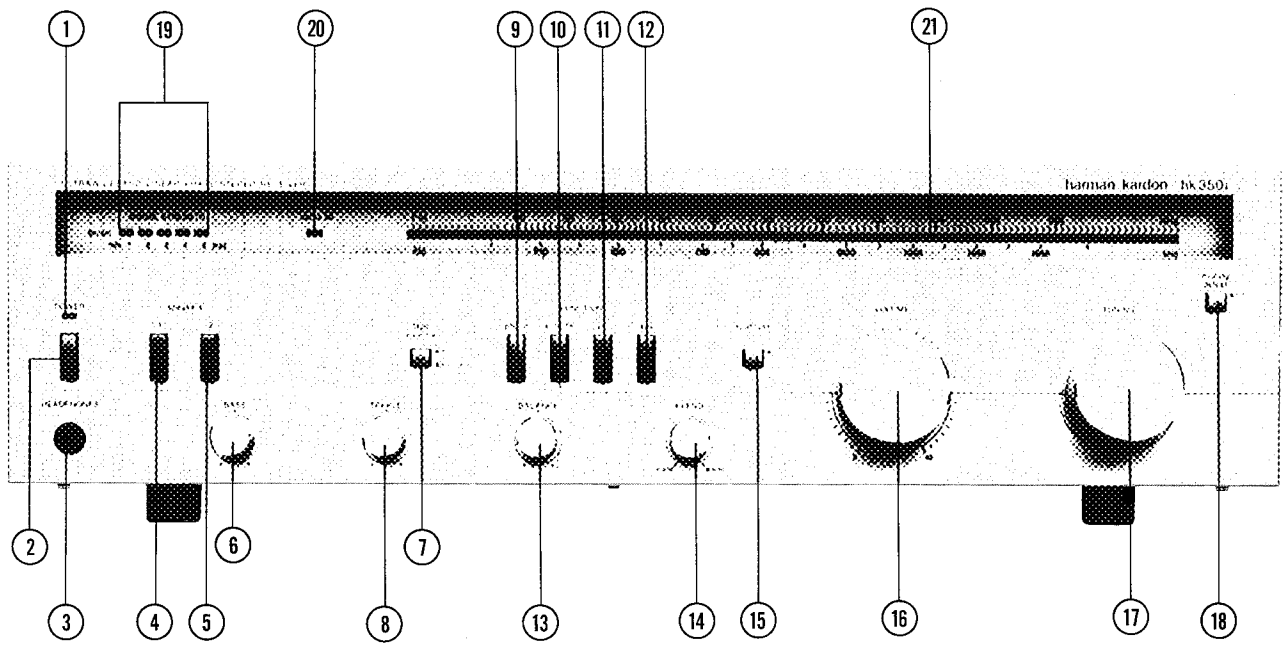


BLEND



mono

stereo



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 Ultrawideband 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 hk350i.

## **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.

## **Connections**

For the moment, leave the POWER LINE CORD (33) of the hk350i 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 hk350i requires adequate ventilation. It should not be installed on a cushion or rug, and a minimum of two inches (5cm) clearance should be provided above and behind. (However, hk700 series may be stacked.)

Like most stereo equipment, your hk350i 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 hk350i**

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 (26) on your hk350i. Insert the right channel cable into the right PHONO INPUT connector (26). 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 (25).

## **Connecting your tape deck to the hk350i**

To connect a tape deck, connect the left output connector of your tape deck to the left TAPE INPUT connector (28) on your hk350i. Now connect the right output connector of your deck to the right TAPE INPUT connector (28) on your hk350i.

Using a second pair of patch cords, connect the left input connector of your deck to the left TAPE OUTPUT connector (29) on your hk350i. Now connect the right input connector of your deck to the right TAPE OUTPUT connector (29) on your hk350i. Push the plugs in all the way so they are firmly seated, making good electrical contact.

## **Connecting other equipment to the hk350i**

A pair of AUXILIARY INPUTS (27) is available at the rear of the hk350i 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 hk350i.

## Connecting Speakers

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

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. Then carefully remove about one-quarter inch 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 of the speaker's positive ("+") terminal, and the uncoded conductor to negative ("-"). (The "+" and "-" markings are in general use, although some speakers use other labeling 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 (30). 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, repeat the procedure for the right and left speakers of the second pair, using the receiver terminals marked SYSTEM 2 (31).

## Connecting AM antenna

The ferrite loopstick AM ANTENNA (22) on the rear of the hk350i can be rotated to improve the reception of distant stations. AM reception over extremely long distances can be obtained with an external "long wire" antenna, which can be connected to the AM ANTENNA terminal (24).

## Connecting FM antennas

A T-shaped (dipole) FM antenna is supplied with the receiver. 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 powerful, directional FM antenna.

If no outdoor antenna is available, connect the lugs of the dipole (supplied with the unit) to the FM 300Ω BAL terminals (23). The dipole can then be tacked or taped to a wall or the back of a shelf.

### **AC convenience outlet\***

An AC outlet (32) on the rear panel of the hk350i provides power connections for a turntable, tape deck or other equipment. The outlet is SWITCHED and provides power only when the receiver is turned on.

If you have completed the connections above, you are now ready to place the hk350i in its permanent position and plug the POWER LINE CORD (33) into an AC outlet. To turn the unit on and off, press the POWER switch (2). When power is on, the POWER indicator (1) will light.

### **To operate your hk350i**

#### **Speaker selection and headphones**

The SPEAKER 1 (4) and SPEAKER 2 (5) 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 (3) accepts headphones for personal listening. Headphones may be used simultaneously with speakers if desired.

#### **To play records**

Depress the PHONO pushbutton (9), activate your turntable, and advance the VOLUME control (16) clockwise to a comfortable level.

If you hear a hum at average listening levels turn the POWER switch (2) off and check to see that phono and ground connections are secure.

### **To listen to broadcasts**

To tune FM stations, press the FM AUTO pushbutton (10) and rotate the TUNING knob (17) until the DIAL POINTER (21) is tuned to the desired FM station on the upper scale. When a stereo broadcast is received, the STEREO FM INDICATOR (20) will automatically light.

To tune an AM station, press the AM pushbutton (11) and follow the tuning procedures above, reading the frequency of the AM station from the lower scale.

Signal strength is indicated by the series of five LEDs marked SIGNAL STRENGTH (19)—as the signal gets stronger, more LEDs will light. Fine adjustments may be made with the TUNING knob (17) until maximum signal strength is reached.

In its "off" position (out), the MUTING DEFEAT button (18) will automatically mute the "hiss" that occurs when tuning between stations and weak or distant stations might not be received. To receive these weak stations, press the MUTING DEFEAT button (18) to its "on" position (in).

### **Auxiliary equipment**

If you have connected other equipment to the AUXILIARY INPUT connectors (27), you may listen to this program source by pressing the AUXILIARY pushbutton (12).

### **To play tapes**

The TAPE MONITOR pushbutton (7) admits programs from a tape deck connected to the TAPE INPUT connectors (28). When you wish to play a tape or program source connected to the TAPE INPUT (28), depress the TAPE MONITOR pushbutton (7) to its MONITOR position (in).

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



### **To record tapes**

The hk350i allows you to record program materials from any source selected by the function control pushbuttons (9) (10) (11) (12).

Place the TAPE MONITOR pushbutton (7) in its SOURCE 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 (7) in its SOURCE position (out). To monitor the new recordings as they are being made press the TAPE MONITOR pushbutton (7) to its MONITOR position (in).

The VOLUME control (16), BALANCE control (13), and various tone controls do not affect the signal at the TAPE OUTPUT connectors (29). 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 (16) clockwise. The BALANCE control (13) shifts the sound to one speaker or the other.

The BASS and TREBLE controls (6) (8) affect the frequency balance of the program material. Their neutral positions are at 12 o'clock. Turning the TREBLE control (8) clockwise increases the high frequencies. The BASS control (6) has the same effect on low frequencies.

When the LOUDNESS button (15) is in its "on" position (in), very high and very low frequencies are boosted at low settings of the VOLUME control (16). This compensates for the ear's relative insensitivity to extreme frequencies at low volume levels. The LOUDNESS button (15) has very little effect at volume setting beyond 12 o'clock.

### **Mono/stereo blend**

The MONO/STEREO BLEND control (14) allows you to compensate for a variety of speaker placements. Ideally, the distance between the speakers should be about the same as the distance from the listener to a point midway between the speakers. Under these conditions, the MONO/STEREO BLEND control (14) should be in its full stereo position (full clockwise). If the distance between the speakers is substantially greater than the distance to the listener, stereo imaging may be improved by rotating the MONO/STEREO BLEND control (14) counter-clockwise toward the mono setting.

### **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 hk350i is a high quality precision instrument. If the instructions in this manual are followed thoughtfully, the receiver should provide many years of musical pleasure.