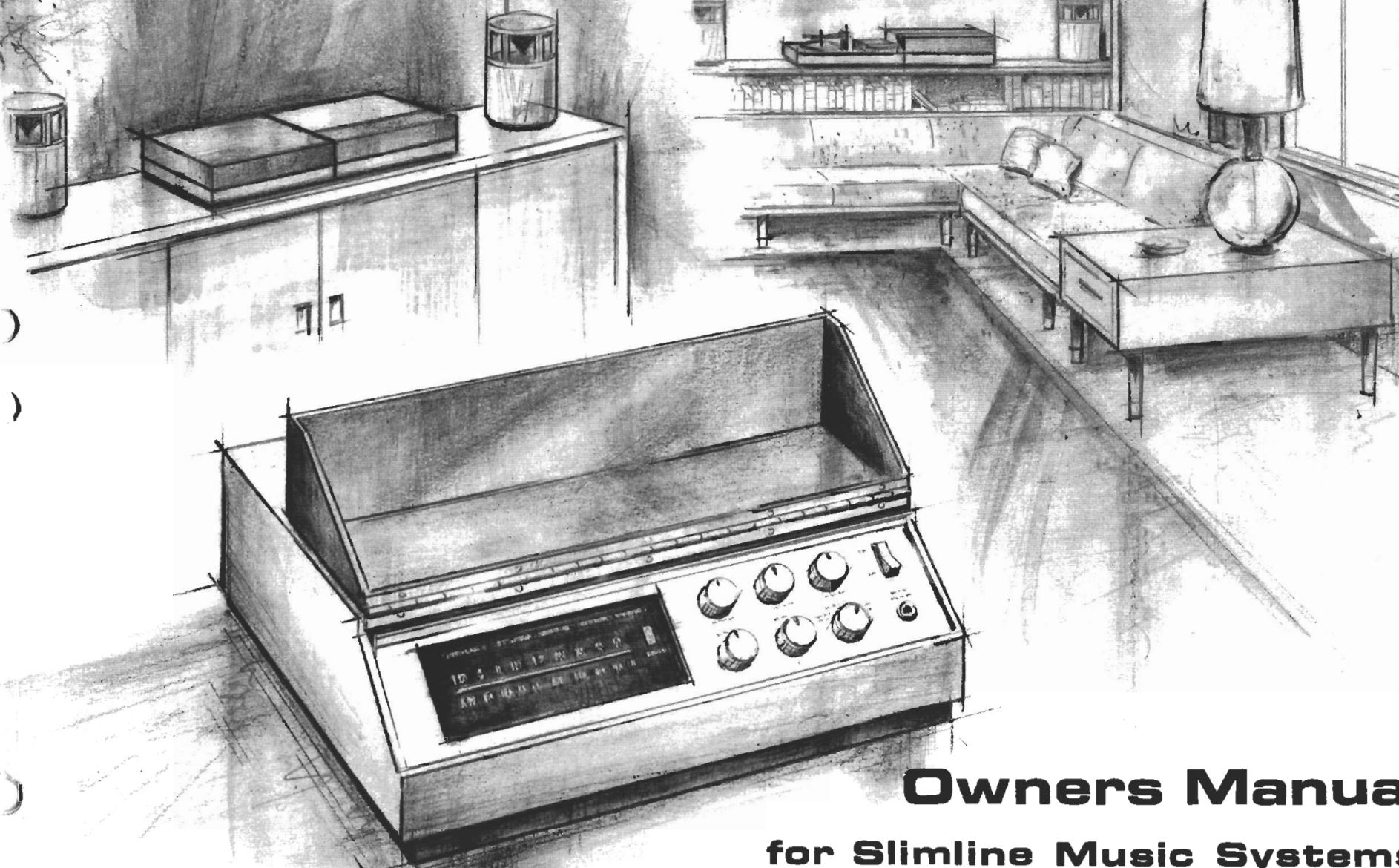


# SLIMLINE

by Harman-Kardon



**Owners Manual**  
**for Slimline Music Systems**

## Introduction

Even the most compact music system on the market today lacks one very important feature: it can't fit gracefully on a bookshelf. In many homes where space is severely limited, this can be a rather perplexing problem. You have now purchased an ultra-compact music system that is specifically designed to fit perfectly on a bookshelf. In fact, it is the only high performance compact music system made that can blend into the decor of any home with total versatility.

You can now fit this compact which includes an AM/FM Stereo Receiver and two Omnidirectional Speakers in a bookshelf space that was formerly occupied by perhaps a vase, a few books, and a small piece of sculpture. The Slimline doesn't jut out, dangle, or sit precariously on a shelf. It fits perfectly. And delivers an amount and quality of sound that is unprecedented within its price category.

The Harman-Kardon Slimline is designed for people who enjoy exciting sound but are in a squeeze for space.

Slimline Music Systems by Harman-Kardon consist of the following models:

- SL1012 AM/FM Stereo Receiver plus two HK12 Omnidirectional Speakers.
- SL1112 AM/FM Stereo Receiver with Record Changer, Dust Cover, and two HK12 Omnidirectional Speakers.
- SL1312 AM/FM Stereo Receiver with two HK12 Omnidirectional Speakers, Cassette Recorder, Record Changer and Dust Cover.
- PC13 Cassette Recorder, Record Changer and Dust Cover.

## WARRANTY and SERVICE POLICY

### POLICY

We warrant each unit to be free from defects in material and workmanship under normal use and service, and in accordance with the conditions set forth below. Should a defect occur within the period specified, and provided that the unit is returned to either HARMAN-KARDON or an authorized HARMAN-KARDON warranty station, transportation prepaid, and which our examination shall disclose to our satisfaction to be defective, we will:

a) For a period of two (2) years from date of purchase either replace or repair and install any defective parts of the stereo receiver free of charge.

### REGISTRATION

To obtain service under the terms of this policy, it is necessary to return the enclosed warranty card for "factory validation" within ten (10) days from the date of purchase.

This card will be assigned a "warranty registration number" and returned to you. If service is required within the warranty period, it is mandatory that the validated card or the warranty registration number be presented or your warranty will not be honored.

### EXCEPTIONS

This warranty does not include any obligation as to

- a) repair or replacement of the accessory wooden enclosure due to damage incurred after initial delivery.
- b) transportation charges to and from the factory or an authorized warranty station.

This warranty is not applicable to any instrument which shall have been repaired or altered in any way so as, in our judgment, to affect its stability or reliability or has been subject to neglect, misuse, abuse, negligence, or accident; or which has had the serial number altered, effaced or removed.

Neither shall this warranty apply to any instrument which has been connected other than in accordance with instructions furnished by us.

### SERVICE

HARMAN-KARDON has a special customer service division to answer all questions pertinent to the installation and operation of your unit. Please feel free to write to us at any time and we shall endeavor to offer prompt and complete advice.

If your problem cannot be resolved through our combined efforts, we may wish to refer you to a local authorized repair agency or we may prefer to authorize the return of your unit to the factory. In the event it must be returned, an authorization form and proper packing instructions will be forwarded to you. This authorization form, together with the warranty registration number, **MUST BE RETURNED** with your unit.

**UNDER NO CIRCUMSTANCES SHOULD YOUR UNIT BE SHIPPED TO THE FACTORY WITHOUT PRIOR AUTHORIZATION.**

This warranty is in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on our part, and we neither assume nor authorize any representative or other person to assume for us any other liability in connection with the sale of this instrument.

## POWER REQUIREMENTS

Connect the AC line cord into any outlet furnishing 117 volts, 50 or 60 cycle AC current. The voltage may vary between 105 and 125 volts.

## VENTILATION

The ultimate in solid state technology has been devoted to creating your Harman-Kardon Slimline system. Coupled with the latest in transistor engineering techniques are years of experience that Harman-Kardon maintains as the leader in solid state.

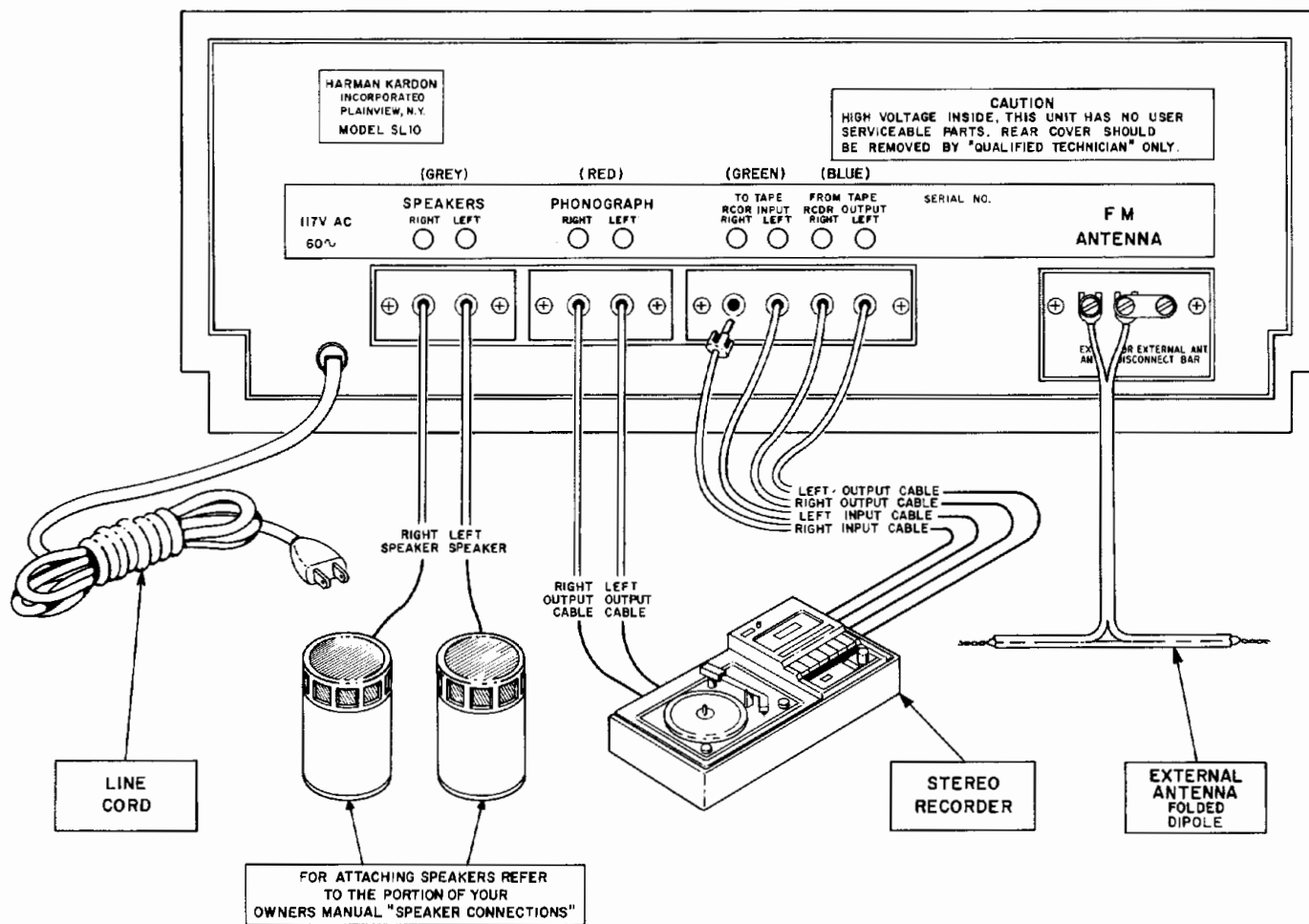
Careful design enables the all transistor receiver to operate at a very low temperature even under taxing operating conditions. Because of this feature special ventilation requirements are not necessary.

## REAR PANEL CONNECTIONS

NOTE: We have color coded all input and output connections to serve as a guide for making quick and easy plug-in connections of speakers and accessory equipment to your Slimline Receiver, e.g.:

- Speaker Output — Grey Dot
- Phonograph — Red Dot
- Tape Recorder Input — Green Dot
- Tape Recorder Output — Blue Dot

If you have purchased the Harman-Kardon Model PC13 Recorder/Changer combination to complement your Slimline, simply plug the colored plug on the cable supplied into the corresponding color female jack located on the rear panel of your Slimline Receiver.



## CONNECTING THE SPEAKERS FOR STEREO OPERATION

The cables supplied may be easily dressed around the molding for an inconspicuous and neat installation. Do not drive staples or tacks through the center of the wire for this may short out the two sections and will decrease the overall volume or short out the speakers entirely.

1. Plug one end of the speaker cable into the receptacle on the rear of your left speaker (this is the speaker on the left as you face the speakers.)
2. Plug the other end of the speaker cable into the receptacle marked SPEAKERS LEFT (grey dot) on the rear of the system.
3. Similarly plug the other speaker cable to your RIGHT speaker.
4. Plug the other end of the speaker cable to the receptacle marked SPEAKERS RIGHT (Grey Dot) on the rear of the system.
5. Your system is now connected for stereo operation.

## CONNECTING THE FM ANTENNA

Due to the exceptionally high sensitivity of your system, the built-in antenna is sufficient for all but the most difficult locations. The balanced antenna input is designed to accept a 300  $\Omega$  antenna, indoor or outdoor type.

As FM signals are in the same broadcast frequency range as TV signals, they are affected by the same external conditions. Just as TV reception is improved, you can improve your FM reception with an external antenna. When using an external antenna disconnect the link and connect both leads of the antenna wire to the two empty FM antenna terminal screws on the rear of your receiver.

In more remote locations, an outside Yagi, folded di-pole, or omni-directional antenna is recommended. For the greatest gain, an 8 to 14 element Yagi designed for the FM band is suggested. A Yagi however, is very directional and it may be desirable to use an antenna rotor if a full 360° coverage is required. For reception in the suburbs, an outside folded di-pole or omni-directional di-pole is recommended.

## CONNECTING A STEREO TAPE RECORDER

Connect the two tape recorder output cables to the LEFT and RIGHT RCDR output (blue dot) receptacles on the rear of your unit. With the Function Switch in the TAPE position you will now be able to play your stereo tapes.

In order to make a recording connect the inputs of your tape recorder to the appropriate LEFT (green dot) and RIGHT (green dot) RCDR input receptacles on the rear of the unit. This will allow you to make a stereophonic recording while simultaneously listening to the program material through your speaker system.

If you have purchased the Harman-Kardon Model PC13 Tape Cassette Recorder and Phono combination to complement your Slimline Receiver, follow the instructions in the owners manual for the PC13 when making connections to your receiver.

## CONNECTING A STEREO RECORD PLAYER CERAMIC PICKUP ONLY

Connect both leads from your record player to the LEFT and RIGHT (red dot) Phono input receptacles. If replacement of the cartridge is required be sure that you replace the cartridge with a High Capacitance Ceramic Cartridge only.

## OPERATION PROCEDURE

Every control on this stereo system serves a specific useful function and is important for its proper operation.

We recommended that you read the following section carefully so you may take full advantage of the performance capabilities of your system.

## BALANCE CONTROL

The balance control is used to adjust the sound level of each channel with relation to each other.

The nature of stereophonic reproduction is such that it requires two identical channels to obtain the optimum stereo effect. As there may be slight differences between the location of the two speakers, tape heads, cartridges, etc., the balance control is provided to permit re-balancing of the overall system even in extreme cases where unbalance exists.

It should be noted that the Balance Control may be set anywhere within its range of adjustment to attain system balance.

## VOLUME CONTROL

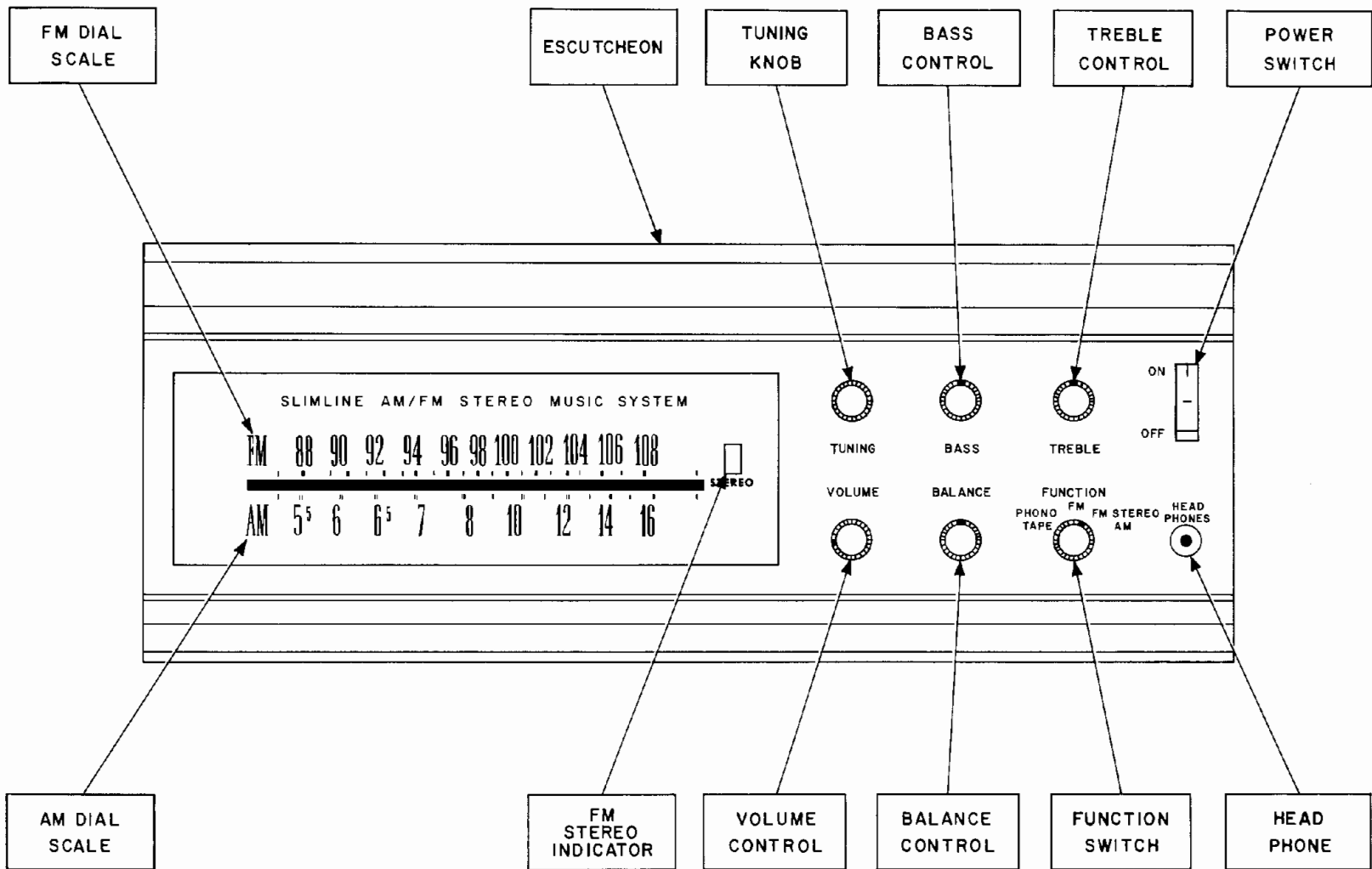
The Volume Control is used to adjust the volume level of any program material fed into the stereo system. The control varies both channels simultaneously therefore eliminating the necessity of balancing your system each time you change the volume level.

## BASS AND TREBLE CONTROLS

The BASS and TREBLE tone controls on your receiver provide the full range of tonal adjustment necessary for stereo high fidelity listening. The tone control range is considerable and can adequately adjust the low and high frequencies in accordance with your listening preference, speaker characteristics and room acoustics.

## POWER SWITCH

The Power Switch is located in the top right hand corner of your receiver front panel. To turn the power "on" depress this switch to the "ON" position and observe the lighting of the Dial Lights. Be sure to depress this switch to "OFF" when the receiver is not in use.



## FUNCTION SELECTOR SWITCH

1. **TAPE:** Selects any program source such as tape recorder, the output of your television set, or any other high level equipment connected to the TAPE receptacles on the rear of your system.
2. **PHONO STEREO:** Selects your record player for stereophonic operation.
3. **FM:** Selects the FM section of your system. In this position you can listen to stereophonic broadcasts monophonically while monophonic broadcasts will appear unchanged.
4. **FM STEREO:** This is the normal listening position for all monophonic or stereophonic FM broadcasts. In this position the stereo indicator and automatic switching circuit built into your receiver are operative. For further details see the Paragraphs on "Stereo Indicator" and "Selecting Monophonic or Stereo FM Broadcasts".
5. **AM:** This position selects the AM section of your receiver for AM reception.

## TUNING

The tuning knob is located just above the volume control of your music system. This knob is used to select the desired station when your function selector switch is placed in either the FM, FM Stereo, or AM position.

## SELECTING MONOPHONIC OR FM STEREO BROADCASTS

Under normal use for all FM broadcasts, the Function Selector Switch should be placed in the FM STEREO position.

Your system is equipped with a stereo sensing circuit which can automatically determine if your unit is receiving monophonic or stereophonic broadcasts, and then automatically adjust the mode of operation.

If the station is transmitting stereo, your system will automatically switch in the multiplex section and you will hear the broadcast in full stereo. Should the station conclude broadcasting in stereo, your system will automatically switch back to monophonic reception.

Should you receive a weak stereo signal whose quality has been degraded by noise or poor signal conditions, and you wish to listen to this stereo broadcast, monophonically, place the function selector switch in the FM position.

## STEREO INDICATOR

A stereo indicator is located in the extreme right hand side of the FM Dial Scale and operates in conjunction with the FM STEREO position of the Function Selector switch. The indicator visually shows the reproduction of FM stereo through your receiver.

To tune for FM stereo proceed as follows:

1. Place the Function Selector Switch in the FM STEREO position.
2. Tune to the station of your choice. Your stereo indicator will now show if you are tuned to a stereo program. If the indicator is OFF, the program you are listening to is being broadcast monophonically.

## DIAL SCALE

Your receiver is marked with (2) dial scales, an FM frequency scale (88-108 mc) and an AM frequency scale. Use these scales when tuning to the FM or AM station of your choice.

## HUM AND NOISE

In any high fidelity installation, hum may be caused by the interconnection of associated equipment. If hum is experienced with your receiver, disconnect everything but the speakers from the receiver. If hum persists, reverse the AC line cord. CAUTION: Hum may be also induced by defective connecting cables or by running these cables too close to a strong AC field.

## SERVICE

If this instrument should not perform properly during the first two (2) years after date of purchase, contact the factory for instruction. The factory has many authorized warranty service stations in the United States. To aid us in selecting a service station convenient to you, it would be helpful if you would indicate what major city is closest to your home. Please write our Customer Service Department, Harman-Kardon, Incorporated, Plainview, New York 11803. Be sure to include the model and serial number of the unit. A brief description of your other components is often of help in answering your questions. DO NOT return this instrument to Harman-Kardon without first receiving authorization.