

HK 3700 / HK 3770

1 Place the Stereo Receiver

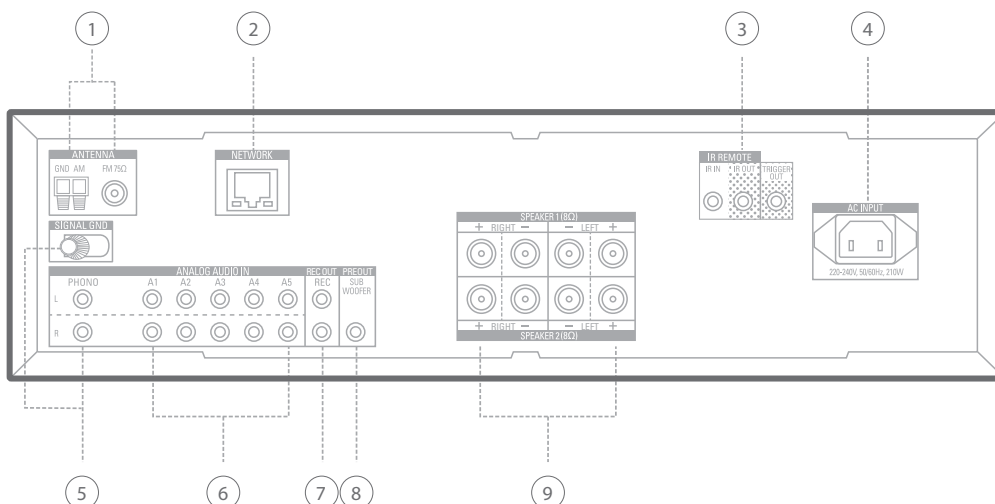
- Place the Stereo receiver on a firm and level surface. Be certain that the surface and any mounting hardware can support the Stereo receiver's weight.
- Provide proper space above, below, behind and to the sides of the Stereo receiver for ventilation. Maintain a clearance of at least 12" (30cm) on each side of, above and behind the unit.
- If you install the Stereo receiver in a cabinet or other enclosed area, provide cooling air within the cabinet. Under some circumstances, a fan may be required.
- Do not obstruct the ventilation slots on the top of the Stereo receiver or place objects directly over them.
- Do not place the Stereo receiver directly on a carpeted surface.
- Do not place the Stereo receiver in moist or humid locations, in extremely hot or cold locations, in areas near heaters or heat registers, or in direct sunlight.

NOTE: For complete information about using all of your HK3700 and HK3770, download the HK3700 and HK3770 Owner's Manual from www.harmankardon.com.

2 Connections

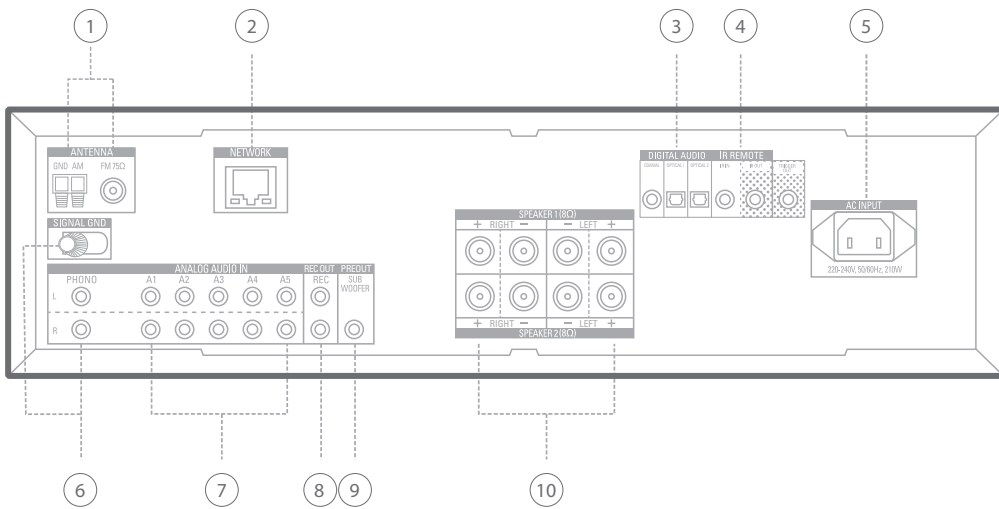
CAUTION: Before making any connections to the Stereo receiver, ensure that the Stereo receiver's AC cord is unplugged from the Stereo receiver and the AC outlet. Making connections with the Stereo receiver plugged in and turned on could damage the speakers.

HK 3700



- 1) FM and AM radio antenna connectors
- 2) RJ45 Network connector
- 3) Remote IR and subwoofer trigger connectors
- 4) AC input connector
- 5) Phono input
- 6) Analog audio inputs
- 7) Rec Out output
- 8) Subwoofer output
- 9) Speaker 1 & 2 outputs

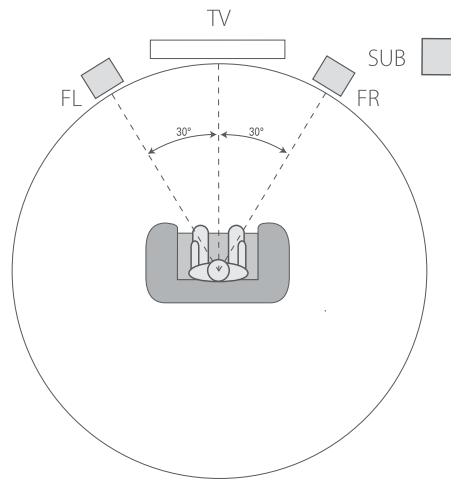
HK 3770



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- 2) RJ45 Network connector
- 3) Digital audio input connector
- 4) Remote IR and subwoofer trigger connectors
- 5) AC input connector
- 6) Phono input
- 7) Analog audio inputs
- 8) Rec Out output
- 9) Subwoofer output
- 10) Speaker 1 & 2 outputs

3 Place Your Speakers

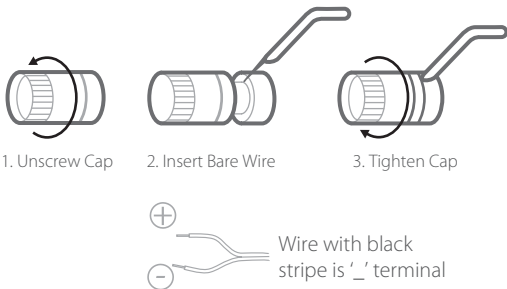
Determine the locations for your system's speakers according to their manufacturer's directions and the layout of your listening room. Use the illustrations below as a guide for 2.1 channel system. For more detailed speaker placement information, download the complete Stereo receiver Owner's Manual from www.harmankardon.com.



Speaker Positioning for 2.1 Channel System

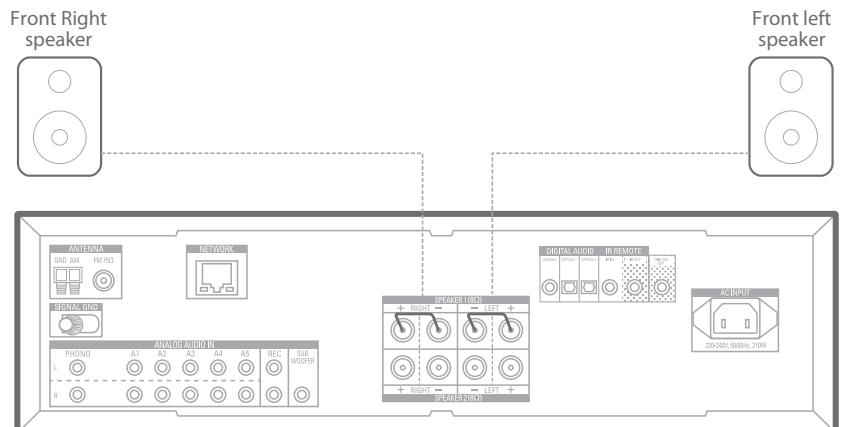
4 Connect Your Speakers

How to use the Stereo receiver speaker terminals:



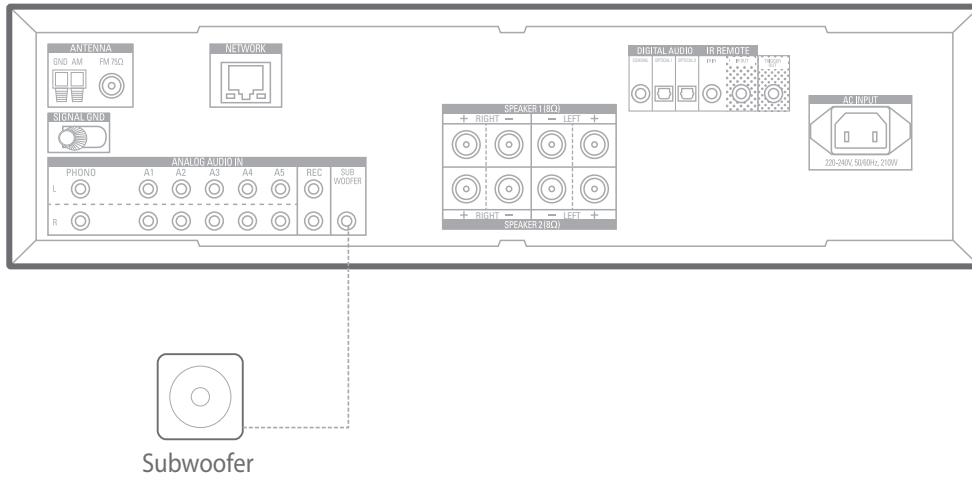
Always connect the colored (+) terminal on the Stereo receiver to the (+) terminal on the speaker (usually red), and the black (-) terminal on the Stereo receiver to the (-) terminal on the speaker (usually black).

IMPORTANT: Make sure the (+) and (-) bare wires do not touch each other or the other terminal. Touching wires can cause a short circuit that can damage your Stereo receiver. Connect the speakers as shown in the illustration.



5 Connect a subwoofer (optional)

Use a single RCA audio cable to connect subwoofer to your Stereo receiver's Subwoofer Pre-Out connector, as shown in the illustration below. Consult your subwoofer's user manual for specific information about making connections to it.



6 Connect your audio source device

A source device is a component where an audio playback signal originates from, like a CD player, DVD player, Cable, Satellite or HDTV boxes, Tuner, etc. Your Stereo receiver has several different types of input connectors to accommodate to those different components: Phono input, analog audio inputs, optical digital audio inputs (HK3770 only) and coaxial digital audio input (HK3770 only). The Analog audio input are not labeled for specific types of source devices but they are labeled numerically from A1 to A5 (AUX inputs)

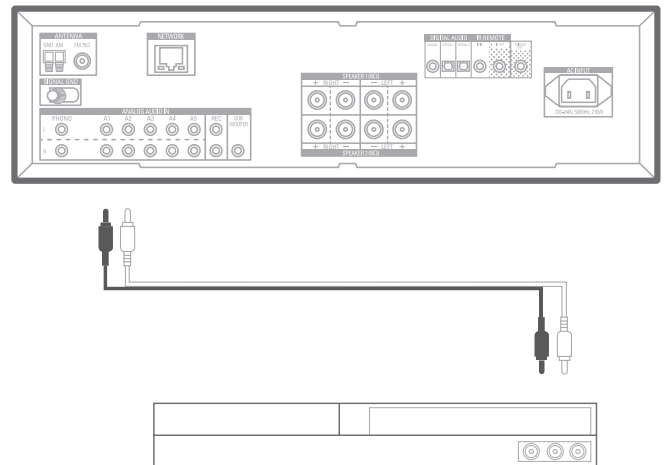
Your Stereo receiver's various auxiliary (AUX) analog inputs can be selected by the remote control using the AUX button. Simply press the AUX button to cycle between the various inputs:

AUX 1 --> AUX 2 --> AUX3 ... AUX5 --> AUX1

KH 3770 only: Your Stereo receiver's digital audio inputs label on the back panel of the stereo receiver COAXIAL, OPTICAL 1 and OPTICAL 2 can be selected by the remote control using the DIGITAL button. Simply press the Digital button to cycle between the various inputs:

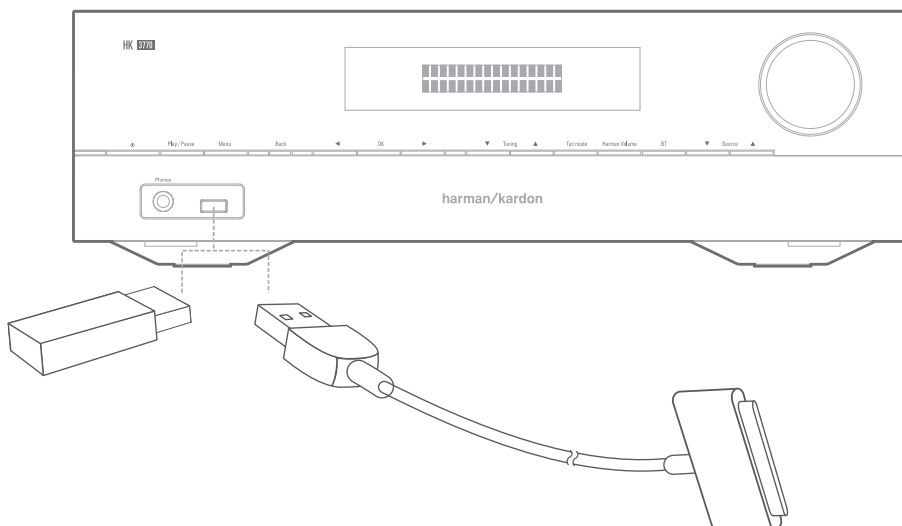
COAXIAL --> OPTICAL 1 --> OPTICAL 2 --> COAXIAL

Note: the other sources of the Stereo receiver like Phono input, FM/AM tuner, Internet radio Vtuner, USB audio play back, Bluetooth and Network DLNA have direct access buttons on the remote control.



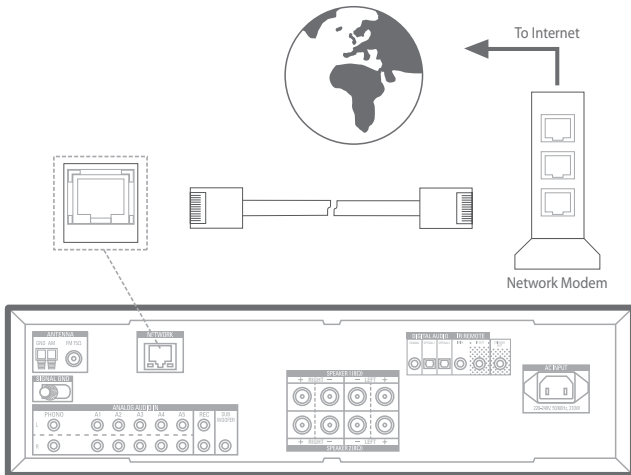
7 USB and iOS Devices

Use the Stereo receiver's front-panel USB port to connect an iPod, iPhone or iPad using an Apple cable (not supplied) or to connect a USB flash drive with music content (MP3, AAC, WMA or WAV format only). You can play audio files from your apple device or USB flash drive, and use the Stereo receiver's remote to control playback.

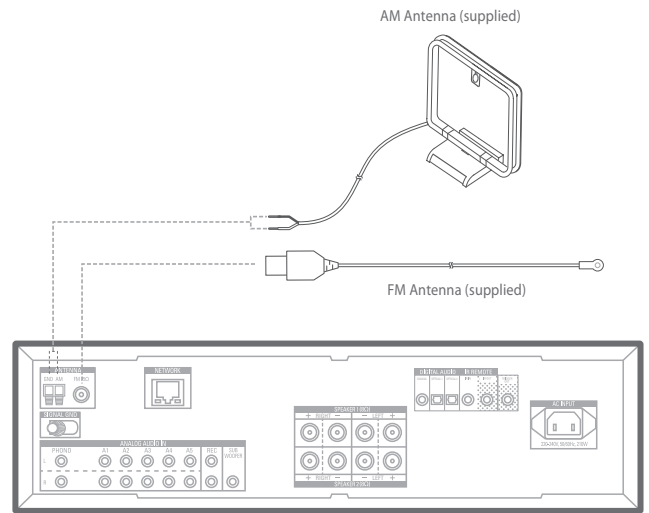


8 Connect Your Home Network

Use a Cat. 5 or Cat. 5E cable (not supplied) to connect the Stereo receiver's Network connector to your home network to enjoy Internet radio and content from DLNA®-compatible devices that are connected to the network. Download the full owner's manual at www.harmankardon.com for network setup information.



9 Connect the Radio Antennas

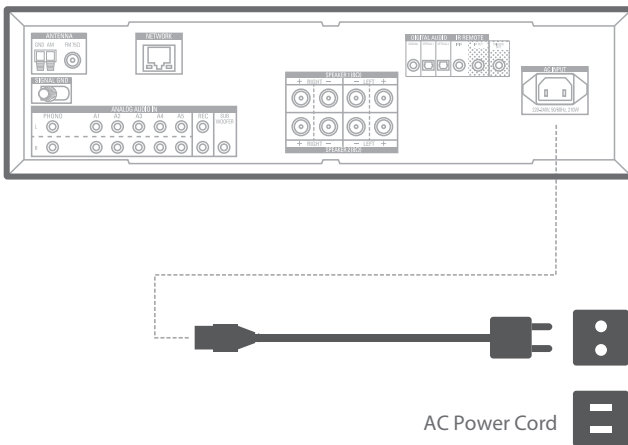


NOTE: To connect, remote IR and trigger equipment, please download the Stereo receiver Owner's Manual from www.harmankardon.com.

11 Connect to AC Power

Stereo receiver :

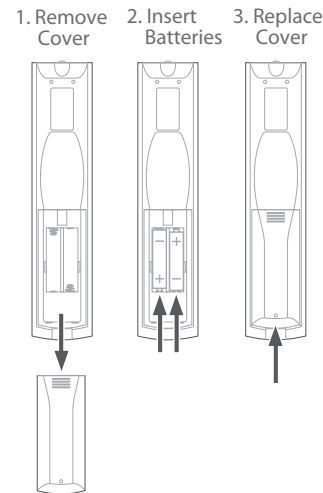
Connect the supplied AC power cord to non-switched AC power outlet.



12 Set Up the Stereo receiver

Install the Batteries in the Remote Control

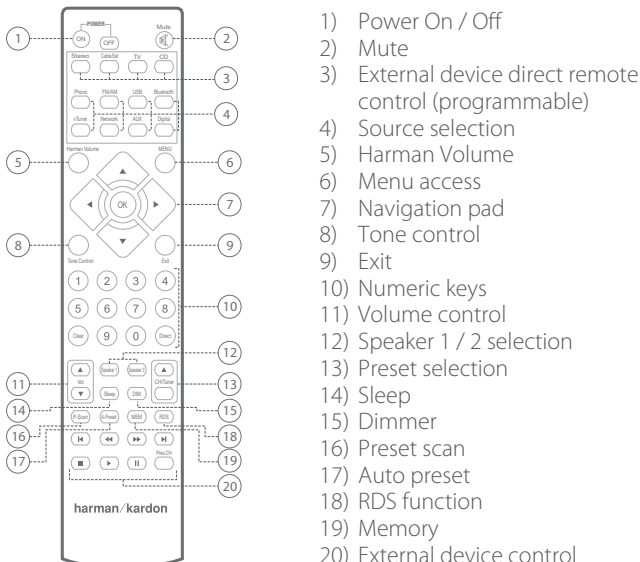
Remove the remote control's battery cover, insert the two supplied AAA batteries as shown in the illustration, and replace the battery cover.



NOTE: Remove the protective plastic from the Stereo receiver's front panel so it doesn't reduce the remote control's effectiveness.

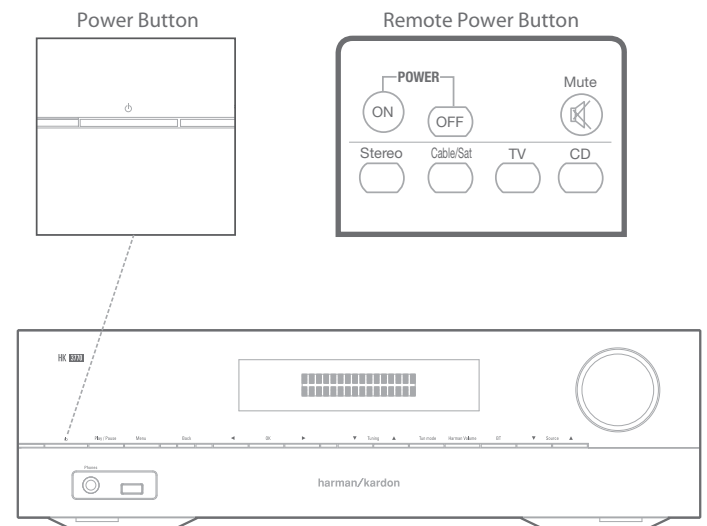
Using the Remote Control

You will be using the following remote-control buttons to configure your Stereo receiver:



Turn On the Stereo receiver

Press the front-panel Power button or push the ON button on the remote control.





[HK 3770 only]

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DLNA®, the DLNA Logo and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

“Made for iPod,” “Made for iPhone,” and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

iPad, iPhone, iPod, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Made for iPhone 5, iPhone 4S, iPhone 4, iPhone 3GS, iPad (3rd and 4th generation), iPad 2, iPad, iPad mini, iPod touch (2nd through 5th generation), and iPod nano (4th through 7th generation).

Feature Description	HK 3700 Stereo Receiver	HK 3770 Stereo Receiver
GENERAL FEATURES		
Output Power at 8Ω	85W @ 8Ω	120W @ 8Ω
Amplification Type	Class A/B	Class A/B
Internet Radio	Yes	Yes
Ethernet Connectivity via RJ-45	Yes	Yes
MP3/WMA File Play from USB	Use built-in 192 kHz/24-bit DAC decoder	Use built-in 192 kHz/24-bit DAC decoder
USB Upgrade	Yes	Yes
iPod/Phone/Pad®/Touch Play from USB	Use built-in 192 kHz/24-bit DAC decoder	Use built-in 192 kHz/24-bit DAC decoder
DLNA 1.5 Certified (Audio Streaming Only)	Yes	Yes
Speaker Assign 1/2	Yes	Yes
KEY COMPONENTS/COST FACTORS		
Audio DSP / Harman Volume	Yes	Yes
Power supply	SMPS	SMPS
CONNECTIVITY		
AUDIO INPUTS		
iPod® audio	Yes thru USB	Yes thru USB
Front USB Input	Yes	Yes
AM/FM	Yes	Yes
Analog Input on Rear	5	5
Analog Input on Front	No	No
Phono input	Yes	Yes
AUDIO OUTPUTS		
Analog Outputs	Yes x 1	Yes x 1
Subwoofer Outputs	One	One
DIGITAL INPUTS/OUTPUTS		
Digital Audio Inputs, Rear	No	1 coax/2 optical
ETHERNET /USB /STREAMING FEATURES		
Ethernet Connectivity via RJ-45	Yes	Yes
Internet Radio	Yes	Yes
USB ...MP3, WMA, AAC, WAV	Yes	Yes
DLNA® 1.5 Certified (Audio Streaming Only)	Yes	Yes
Metadata to VFD	Yes	Yes
WIRELESS		
Bluetooth®	No	Yes

HK 3700 Stereo Receiver

General Specifications

Power requirement: 120V AC / 60Hz
Power consumption: <0.5W (standby); 170W maximum
Dimensions: (H x W x D): 4-3/4" x 17-5/16" x 11-13/16"
(121mm x 440mm x 300mm)
Weight: 6kg

Built-in 24bits/192kHz DAC
Phono input
HARMAN GreenEdge™ technology
New, compact design
vTuner (Internet radio) streaming
Multi-device, programmable/learning remote control
Harman Kardon® Remote app for compatible iOS® and
Android™ smartphones and tablet
Front-panel USB port for connection to compatible Apple®
products or USB flash drive

HK 3770 Stereo Receiver

General Specifications

Power requirement: 120V AC / 60Hz
Power consumption: <0.5W (standby); 240W maximum
Dimensions (H x W x D): 4-3/4" x 17-5/16" x 11-13/16"
(121mm x 440mm x 300mm)
Weight: 6kg

Bluetooth®
Optical and coaxial inputs
Built-in 24bits/192kHz DAC
Phono input
HARMAN GreenEdge™ technology
New, compact design
vTuner (Internet radio) streaming
Multi-device, programmable/learning remote control
Harman Kardon® remote app for compatible iOS® and
Android™ smartphones and tablet
Front-panel USB port for connection to compatible Apple®
products or USB flash drive

Power

Stereo power: 85 watts per channel, two channels driven @
6/8 ohms, 20Hz – 20kHz, <0.07% THD
Input sensitivity/impedance: 250mV/27k ohms
Signal-to-noise ratio (IHF-A): 100dB
Frequency response (@ 1W): 10Hz – 130kHz (+0dB/-3dB)
High instantaneous-current capability (HCC): ±XX amps

FM Tuner

Frequency range: 87.5MHz – 108.0MHz
Usable sensitivity IHF: 1.3µV/13.2dBf
Signal-to-noise ratio (mono/stereo): 70dB/68dB
Distortion (mono/stereo): 0.2%/0.3%
Stereo separation: 40dB @ 1kHz
Selectivity (±400kHz): 70dB

AM Tuner Section

Frequency range: 520kHz – 1,710kHz
Signal-to-noise ratio: 38dB
Usable sensitivity (loop): 500µV
Distortion (1kHz, 50% mod): 1.0%
Selectivity (±10kHz): 30dB

Power

Stereo power: 120 watts per channel, two channels driven
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Input sensitivity/impedance: 250mV/27k ohms
Signal-to-noise ratio (IHF-A): 100dB
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Frequency range: 520kHz – 1,710kHz
Signal-to-noise ratio: 38dB
Usable sensitivity (loop): 500µV
Distortion (1kHz, 50% mod): 1.0%
Selectivity (±10kHz): 30dB

IMPORTANT SAFETY INSTRUCTIONS

For All Products:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install this apparatus in accordance with the manufacturer's instructions.
8. Do not install this apparatus near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus.  When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
15. Do not expose this apparatus to dripping or splashing, and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To disconnect this apparatus from the AC mains completely, disconnect the power-supply cord plug from the AC receptacle.
17. The mains plug of the power-supply cord shall remain readily operable.
18. Do not expose batteries to excessive heat such as sunshine, fire or the like.

CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.



THE LIGHTNING FLASH WITH AN ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Changes or modifications not expressly approved by HARMAN could void the user's authority to operate the equipment.

For Products That Transmit RF Energy:

FCC AND IC INFORMATION FOR USERS

This device complies with Part 15 of the FCC rules and Industry Canada license-exempt RSS 210. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC/IC Radiation Exposure Statement

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

For Products with Radio Receivers That Can Use an External Antenna (USA ONLY):

CATV (Cable TV) or Antenna Grounding

If an outside antenna or cable system is connected to this product, be certain that it is grounded so as to provide some protection against voltage surges and static charges. Section 810 of the National Electrical Code (NEC), ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements of the grounding electrode.

Note to CATV System Installer:

This reminder is provided to call the CATV (cable TV) system installer's attention to article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

FCC AND IC STATEMENT FOR USERS (USA AND CANADA ONLY)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not