

HK 3700/3770

Stereo Receiver

Owner's Manual



**AVAILABLE AT
DIGITAL CINEMA**



harman/kardon
by HARMAN

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Introduction

Thank you for purchasing the Harman Kardon® HK 3700/3770 stereo receiver, with which you are about to begin many years of listening enjoyment. The HK 3700/3770 stereo receiver combines the powerful, detailed sound of Harman Kardon two-channel audio with modern digital connectivity.

To obtain maximum enjoyment from your new receiver, we urge you to take a few minutes to read through this manual, which:

- Contains a description of the features of HK 3700/3770 stereo receiver
- Lists the items included in the box
- Describes the HK 3700/3770 stereo receiver and its components
- Includes step-by-step instructions that will help you set up and get started with the HK 3700/3770 stereo receiver

In addition, a few minutes spent learning the functions of various controls will allow you to take advantage of all the power and refinement of the HK 3700/3770 stereo receiver. Refer back to this manual as you become more familiar with its features and operation.

CONTACT US: If you have any questions about the HK 3700/3770 receiver, its installation or its operation, please contact your retailer or custom installer, or visit our website at: www.harmankardon.com

Description and Features

Harman Kardon heritage and brand legacy has been its two-channel audio for many years. As more and more audio content comes from multiple digital-based sources such as a smart TV, smartphone or tablet, playback convenience becomes the driving factor in entertainment while sound quality remains the foundation of Harman Kardon. The new Harman Kardon HK stereo receivers try to bring the best of both worlds: beautiful two-channel stereo sound and the latest digital-based source access.

The following are the features and benefits of the HK 3700/3770 stereo receivers:

- **Harman Kardon sound** — This has been the foundation of the brand for many years. High power, high current capability with stable power output.
- **Connectivity** — HK stereo receivers feature the best of both worlds; classic analog inputs including a phono preamplifier and FM/AM radio as well as new digital connectivity with Bluetooth, network DLNA, vTuner internet radio, USB file playback, iOS direct through USB, and coaxial and optical digital inputs with a premium DAC.
- **Distinctive and elegant design** — The attractive design of the HK 3700/3770 is a modern, sleek update to the classic Harman Kardon receiver.
- **Advanced remote control** — The new stereo receivers also support complete control from the Harman Kardon Remote app, available for both Android and iOS.

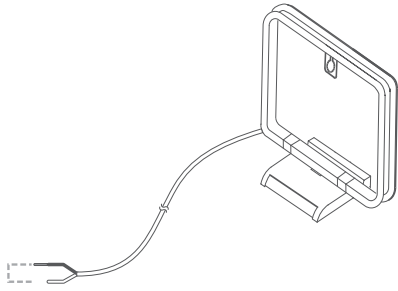
Included Items

The complete package of HK 3700/3770 stereo receiver includes the following:

- System remote control



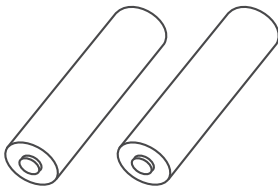
- AM loop antenna



- FM wire antenna



- Two AAA batteries



- AC power cord



NOTE: The AC power cord illustration is for the 220 - 240 V model only, the 120 V model has a fixed power cord.

IMPORTANT: If any of the included accessories are missing or any part of your HK 3700/3770 system fails to operate properly, contact your dealer or service provider immediately.

Important Safety Information

Verify Line Voltage before Use

The HK 3700/3770 stereo receiver has two different models. One model is 120 V with a fixed power cord and another is 220 -240 V with a detachable power cord. Connection to a line voltage other than that for which your HK 3700/3770 is intended, can create a safety and fire hazard, and may damage the unit. If you have any questions about the voltage requirements for your specific model or about the line voltage in your area, contact your dealer before plugging the unit into a wall outlet.

Do Not Use Extension Cords

To avoid safety hazards, use only the power cord supplied with your unit. We do not recommend using extension cords with this product. Do not run power cords under rugs or carpets, or place heavy objects on them. Damaged power cords should be replaced immediately by an authorized service center, with a cord meeting factory specifications.

Handle the AC Power Cord Gently

To disconnect the power cord from an AC outlet, always pull the plug; never pull the cord. If you do not intend to use your HK 3700/3770 for any considerable length of time, disconnect the plug from the AC outlet.

Do Not Open the Cabinet

There are no user-serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water or any metal object such as a paper clip, wire or staple accidentally falls inside the unit, disconnect it from the AC power source immediately, and consult an authorized service center.

CATV or Antenna Grounding

If an outside antenna or cable system is connected to this product, be certain that it is grounded to provide protection against voltage surges and static charges. Section 810 of the United States National Electrical Code, 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.

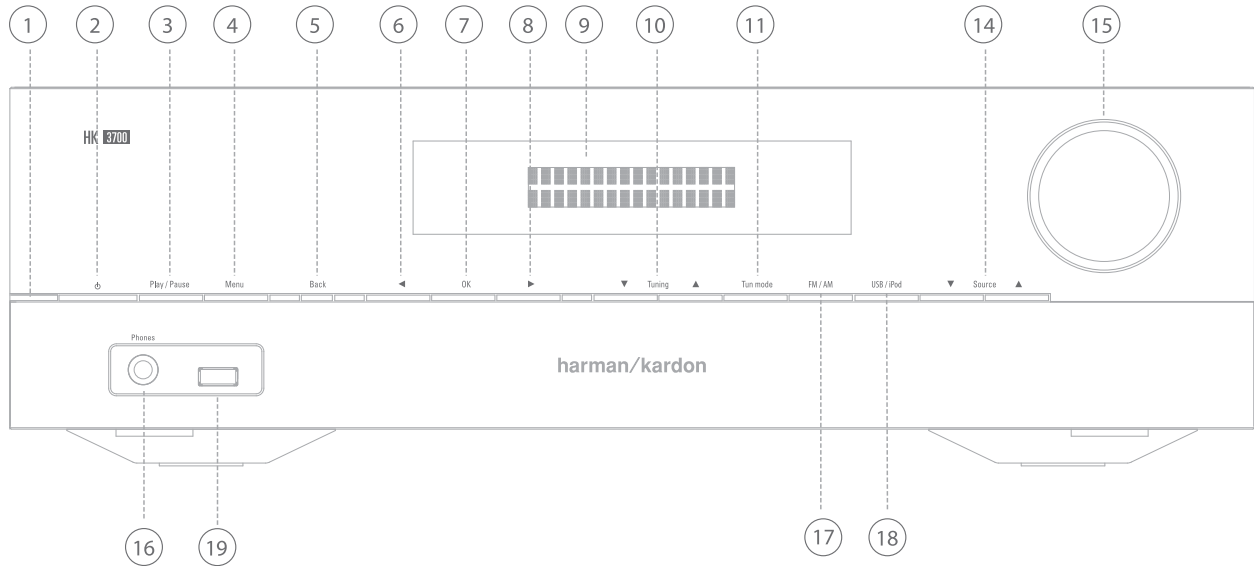
Note to CATV System Installer: This reminder is provided to call the CATV (Cable TV) system installer's attention to article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building,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

Placing the Stereo Receiver

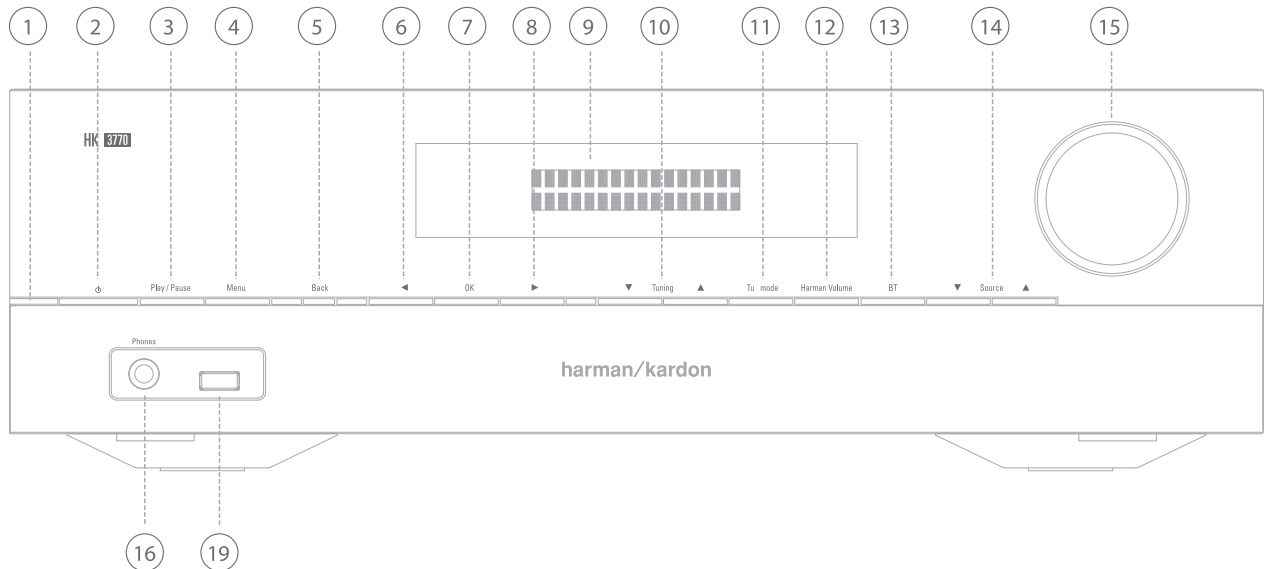
- Place the stereo receiver on a firm and level surface. Be certain that the surface and any mounting hardware can support the stereo receiver's weight.
- Provide proper space above, below, behind and to the sides of the stereo receiver for ventilation. Maintain a clearance of at least 12" (30 cm) on each side, 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, you may require a fan.
- 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.

HK 3700/3770 Receiver Front Panel Controls

HK 3700



HK 3770



The following are the front panel controls available in the HK 3700/3770 stereo receiver:

1. Power indicator
2. Power switch
3. Play/Pause
4. Menu
5. Back
6. Select previous
7. OK
8. Select next
9. Message Display
10. Tuning
11. Tuner Mode selector
12. Harman Volume
13. Bluetooth
14. Source selector
15. Volume control
16. Headphone output
17. FM/AM
18. USB/iPod
19. USB input port

1. Power indicator: This indicates the status of the stereo receiver whether it is in operational, standby or OFF mode.

2. Power switch: Press this button to turn the stereo receiver ON or OFF. When the HK 3700/3770 is in standby mode (the power indicator is amber), press this button to turn the system ON (the power indicator turns white).

The receiver goes to standby mode automatically through the following:

- For digital sources (Optical/Coaxial), after remaining idle for 15 minutes
- For analog sources (USB/FM/AM/Aux/Phono/DLNA/iPod/Bluetooth), after 8 hours with no user input (for example, adjusting volume, navigating through menu options and so on)
- Press the power button on the front panel
- Press the OFF button on the remote control or remote app

The receiver can be brought back to operational mode by pressing the:

- Power button on the front panel
- Source button

3. Play/Pause: Press this button to play or pause the audio stream.

4. Menu: Press this button to choose from different menu options.

5. Back: Press this button to go back to the previous menu.

6. Select previous: Press this button to select the previous file to play or to move left within menu options.

7. OK: This button is used to make selections within the on-screen menu system for some source devices. Long press this button to set the FM tuning mode between Auto and Manual.

8. Select next: Press this button to play the next file or to move right within menu options.

9. Message Display: Various messages appear in this display in response to commands. In normal use, the upper line will display the current source and audio input (analog or one of the digital audio inputs). The lower line displays the current speaker group (if any are active) and the DSP mode.

10. Tuning: Use these buttons to navigate through the receiver's menus. When the radio is the active source, use these buttons to tune stations according to the settings of the tuner mode selector.

11. Tuner Mode selector: This button toggles between manual (one frequency step at a time) and automatic (seeks frequencies with acceptable signal strength) tuning mode. It also toggles between stereo and mono modes when an FM station is tuned in. Mono mode may improve reception of weaker signals.

12. Harman Volume: This button cycles the Harman Volume function between high, low and off.

13. Bluetooth (HK 3770 only): The Bluetooth button is used to set the stereo receiver into Bluetooth pairing mode. You can pair the HK 3770 system with Bluetooth-enabled devices using this button.

14. Source selector: Press these buttons to select the active source.

15. Volume Control: Turn this knob clockwise to raise the volume and counterclockwise to lower the volume, which will be shown in decibels (dB) in the Message Display.

16. Headphone output jack: Plug a 1/4" headphone into this jack for private listening.

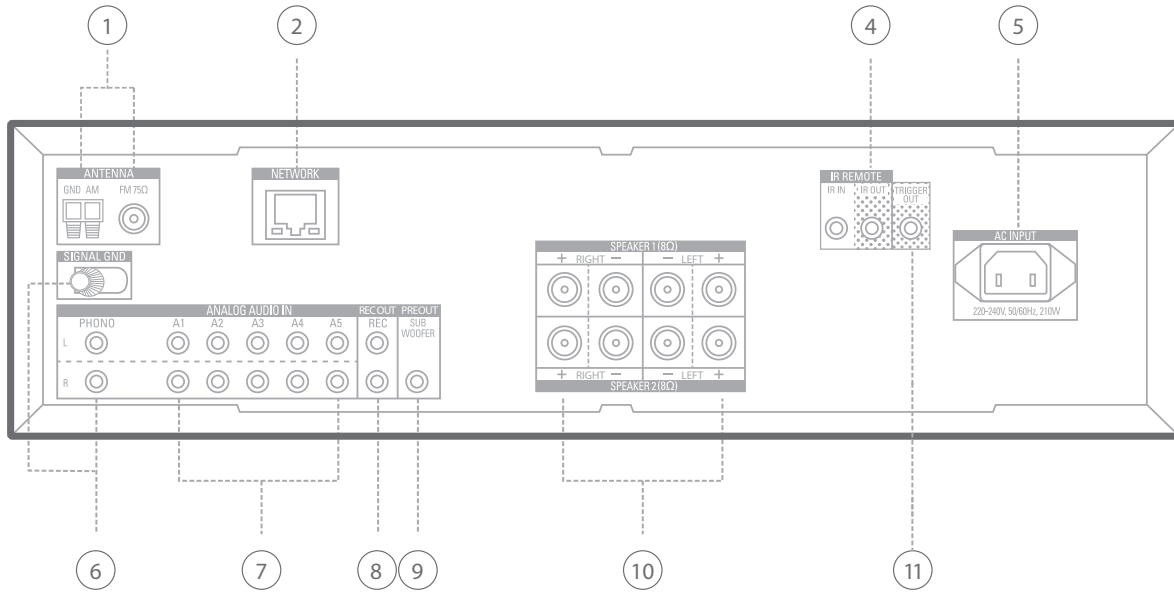
17. FM/AM (HK 3700 only): This is the built-in tuner available in HK 3700 that helps you select the tuner source input directly. Press this button to toggle between AM and FM bands.

18. USB/iPod (HK 3700 only): This button helps you select the USB source input directly. Press this button to toggle between USB and iPod source inputs.

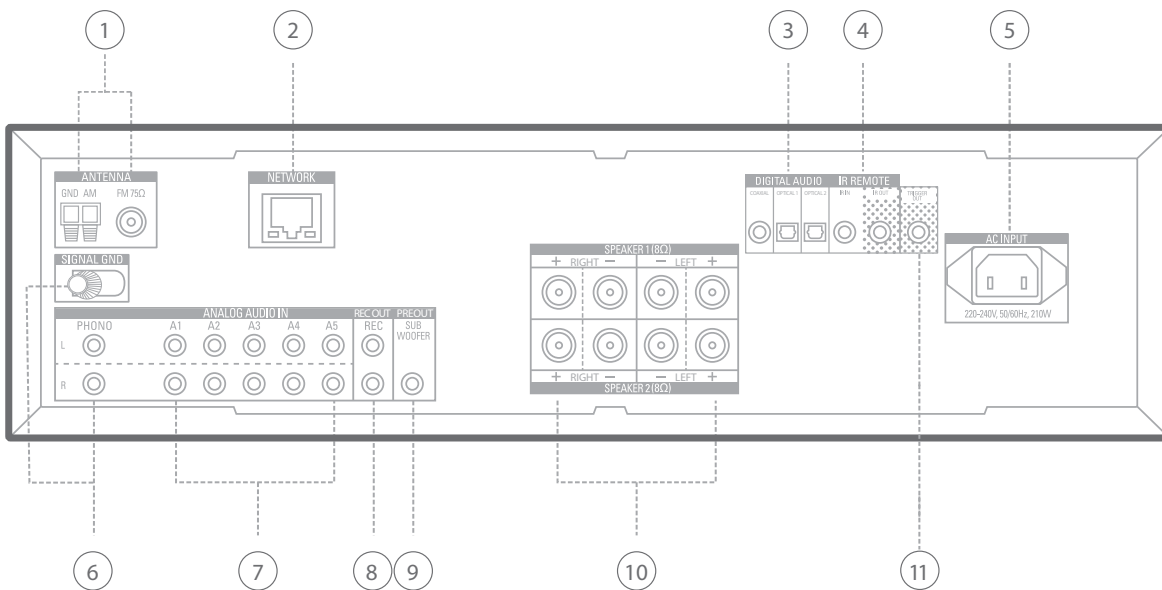
19. USB input port: Connect your USB devices to this port.

HK 3700/3770 Receiver Rear Panel Connections

HK 3700



HK 3770



NOTE: The HK 3700 and HK 3770 stereo receivers come in two models. The 220-240 V models have detachable power cords and the 120 V models have fixed power cords.

The rear panel controls of the HK 3700/3770 stereo receiver include the following:

1. Radio Antenna connectors
2. Network connector
3. Digital audio input connector (HK 3770 only)
4. IR and trigger connector
5. AC input connector
6. Signal GND and Phono input
7. Analog Audio input connector
8. Recorder output
9. Subwoofer connector
10. Speaker connectors
11. 12 V Trigger output

1. Radio Antenna connector: Connect the included AM and FM antennas to their respective terminals for radio signal reception.

2. Network connector: Connect to your home network using a Cat 5 or Cat 5e Ethernet cable.

3. Digital audio input connector (HK 3770 only): There are two audio optical inputs labeled **OPTICAL 1** and **OPTICAL 2** and one coaxial input labeled **COAXIAL**.

4. IR in and trigger connector: When the IR remote receiver on the front panel of the HK 3700/3770 receiver is blocked, connect an optional IR receiver to the IR Remote Input jack for use with the remote control. The Remote IR Output may be connected to the IR Remote Input of a compatible source device (or other product) to enable remote control through the HK 3700/3770.

5. AC input connector: After you have made all other connections, plug the supplied AC power cord into an unswitched wall outlet.

6. Signal GND and Phono in: This is used for phono input. Plug your analog turntable in here. Connect the outputs of your turntable to these jacks, and connect the ground wire from the turntable to the ground connector to reduce system hum. Only moving magnet (MM-type) cartridges are compatible with the Phono Input. If your turntable is equipped with its own on board phono preamp, you may connect it to any of the HK 3700/3770's other audio inputs.

7. Analog audio input connector: There are 5 audio analog inputs labeled A1 to A5 to connect your different source devices.

8. Recorder output: Connect this analog audio output to the analog audio input of a recording device.

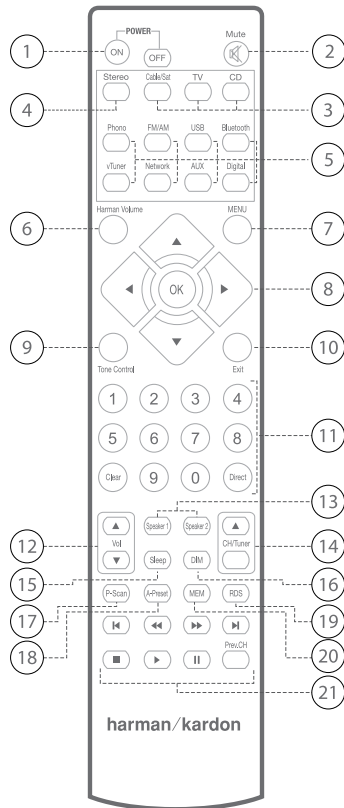
NOTE: Ensure that you are aware of any copyright restrictions on any material you record. Unauthorized duplication of copyrighted materials is prohibited by federal law.

9. Subwoofer connector: If you have a powered subwoofer, connect these jacks to the line-level inputs on the subwoofer.

10. Speaker connectors: Use two-conductor speaker wire to connect each set of terminals to the correct speaker. Observe the correct polarity (positive and negative connections). Use the Speaker 1/2 buttons on the remote to select either or both pairs of speakers for playback.

11. 12 V Trigger output: This connector provides 12 V DC whenever the stereo receiver is ON. It can be used to turn on and off other devices such as a powered subwoofer.

Remote Control Functions



The following remote control functions are available on the remote provided with the HK 3700/3770 stereo receiver:

1. Power On/Off
2. Mute
3. External device source selection
4. Stereo
5. Source selector
6. Harman Volume
7. Menu access
8. Navigation pad
9. Tone control
10. Exit
11. Numeric keys
12. Volume control
13. Speaker 1/2 selection
14. Preset selection
15. Sleep
16. Dimmer
17. Preset scan
18. Auto preset
19. RDS function
20. Memory
21. Transport control

1. **Power ON and OFF:** Press these buttons to turn the stereo receiver ON and OFF.
2. **Mute:** Press this button to mute or unmute the system.
3. **External device source selection:** Press one of these buttons to select a source device, such as Cable/Sat, RTV, and so on. This action will also turn on the stereo receiver and switch the remote's control mode to operate the selected source device.
4. **Stereo:** Press this button if you want to shift the control from the external device back to the stereo receiver.

5. **Source selector:** Press one of these buttons to select a source device, which is a component where a playback signal originates, e.g., DVD, CD or the tuner. This will also turn on the receiver and switch to the correct source input.

Press the AUX button and Digital button (HK 3770 only) to assign the audio input to one of the source selections. For example, if your CD is connected to the analog input 1 (A1), press the CD source button, and then press the AUX button to assign ANA 1 input to the CD source.

6. **Harman Volume (HK 3770 Only):** This button cycles the Harman Volume function between high, low and off. Harman volume is an advanced digital signal processing technology to control playback volume. It evens out the volume level on everything you watch, improving your listening experience. Once you choose the volume level, Harman Volume does the rest. It helps you avoid volume increases from commercials, volume differences when you change channels or switch sources, and brings out the dialogue.

7. **Menu:** This button helps you enter into the settings menu.

8. **Navigation pad:** These buttons are used to navigate through the menu system.

9. **Tone control:** Press this button to access the bass and treble controls. Use the OK button to select an adjustment and use the Up/Down buttons to change the settings.

10. **Exit:** Use this key to go back from the setup menu.

11. **Numeric keys:** Use these buttons to enter radio station frequencies when using the tuner (after pressing the Direct button), or to select station presets.

12. **Volume control:** Press these buttons to increase or decrease the volume level.

13. **Speaker 1/2 selection:** Press the Speaker 1 button to enable the HK 3700/3770 Speaker 1 outputs, and press the Speaker 2 button to enable the Speaker 2 outputs. You may enable or disable both sets of speaker outputs simultaneously. This feature is a convenient way of hearing audio in more than one room at a time, although the same source material will be played through both sets of speakers.

14. **Preset selection:** Press this button to select the stations you have previously programmed as presets.

15. **Sleep:** Press this button to activate the sleep timer, which shuts off the receiver after a programmed period of time up to 90 minutes. Press the Sleep button to reduce the time by 10 minutes.

16. **Dimmer:** Press this button once to dim the display to half-brightness, and a second time to turn the display completely off. The Power Indicator will always remain lit to remind you that the receiver is turned ON. Press the button a third time to return the display to normal brightness. This setting is cancelled when the unit is turned OFF.

17. **Preset scan:** Press this button once to scan through the stations you have previously programmed as presets. Each station will play for five seconds before the tuner skips to the next preset station. Press the button for the second time to select the current station.

18. **Auto preset:** The Auto Preset feature allows you to automatically set presets for all available FM radio stations in your area with a single button press. To start the process, make sure that the FM tuner has been selected as the source. Press and hold this button. The **AUTO PRESET** message will appear as the HK 3700/3770 tuner scans through all FM stations with acceptable signal quality and programs them into the presets. If there are fewer than 30 stations, the tuner will cycle through again, filling up the higher preset slots with the same stations. The scan will stop when all 30 presets have been filled, or after two scans through the FM band.

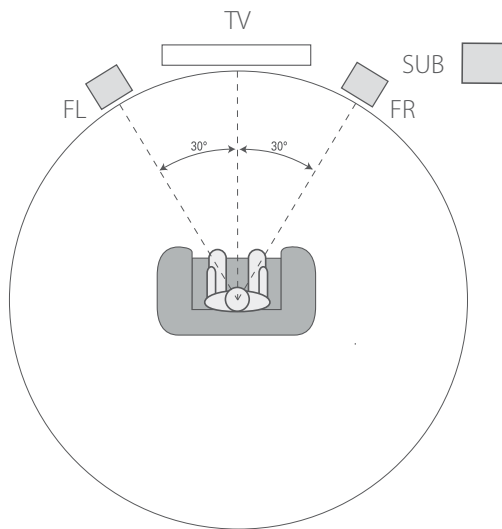
19. **RDS function (220–240 V models only):** When listening to an FM radio station that broadcasts RDS information, this button activates the various RDS functions.

20. **Memory:** After you have tuned to a particular radio station, press this button, then the Numeric Keys, to save that station as a radio preset.

21. **Transport control:** These buttons are used to control source devices.

Placing Your Speakers

To create the most realistic sound environment possible, you should place your speakers in a circle with the listening position at its center. You should angle each speaker so it directly faces the listening position. Use the diagram below as a guide.



Speaker Positioning for
2.1 Channel System

Placing the Left and Right Speakers

Place the left and right speakers along the circle, about 30 degrees from the center line and angled toward the listener.

Placing the Subwoofer

As a room's shape and volume can have dramatic effects on a subwoofer's performance, it is best to experiment with the placement so that you will find the location that produces the best results in your listening room. With that in mind, these rules will help you get started:

- Placing the subwoofer next to a wall will increase the amount of bass in the room.
- Placing the subwoofer in a corner will maximize the amount of bass in the room.
- In many rooms, placing the subwoofer along the same plane as the left and right speakers can produce the best integration between the sound of the subwoofer and that of the left and right speakers.
- In some rooms, the best performance could even result from placing the subwoofer behind the listening position.

A good way to determine the best location for the subwoofer is by temporarily placing it in the listening position and playing music with strong bass content. Move around to various locations in the room while the system is playing (putting your ears where the subwoofer would be placed), and listen until you find the location where the bass performance is best. Place the subwoofer in that location.

Connections

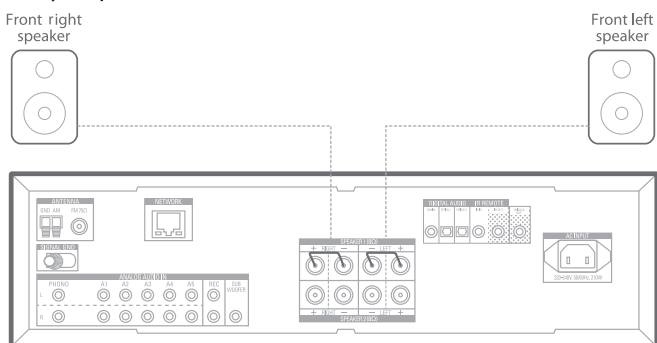
Connecting the Speakers

Speaker cables carry an amplified signal from the stereo receiver's speaker terminals to each loudspeaker. Each cable contains two wire conductors or leads that are differentiated in some way, such as with colors or stripes.

The differentiation helps you maintain proper polarity, without which your receiver's low frequency performance may suffer. Each speaker is connected to the stereo receiver's speaker output terminals using two wires, one positive (+) and one negative (-). Always connect the positive terminal on the speaker, which is usually colored red, to the positive terminal on the stereo receiver. The negative terminals on the speakers and the stereo receiver are black.

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).

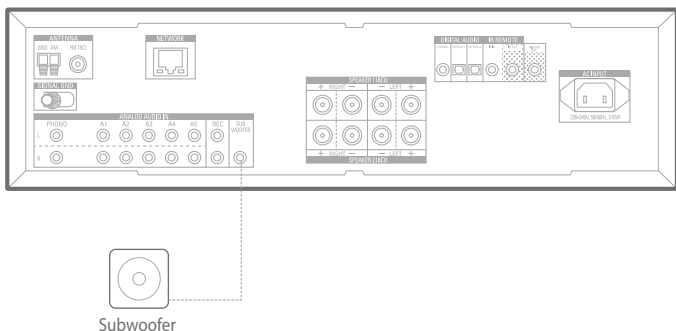
Connect your speakers as shown in the illustration.



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.

Connecting the Subwoofer

Use a single RCA audio cable to connect your subwoofer to the 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.

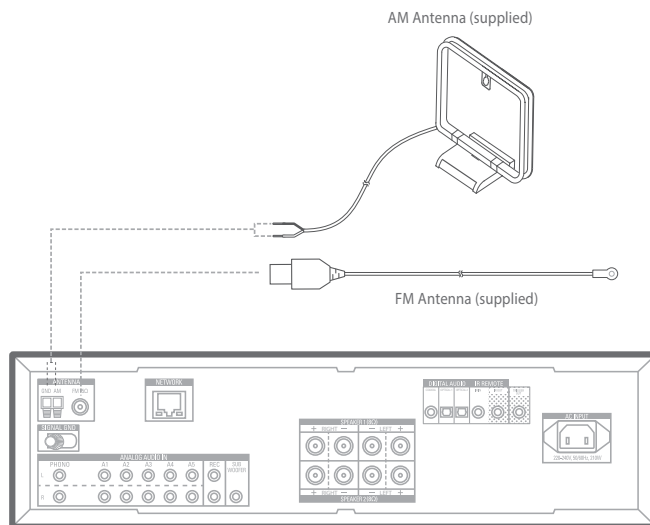


Connecting Source Devices

The HK 3700/3770 is designed to process audio input signals and playback the audio. These signals originate in what are known as source devices including your DVD player, CD player, DVR (digital video recorder) or other recorder, tape deck, game console, cable or satellite television box, or MP3 player. Although the tuner is built into the HK 3700/3770, it also counts as a source, even though no external connections are needed, other than the FM and AM antennas.

Connecting the Radio Antennas

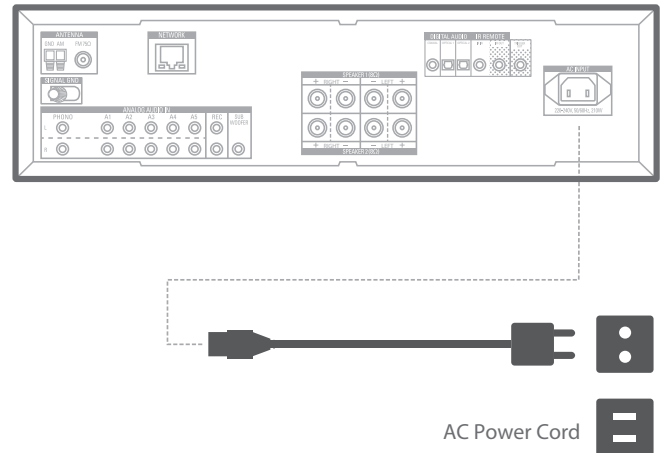
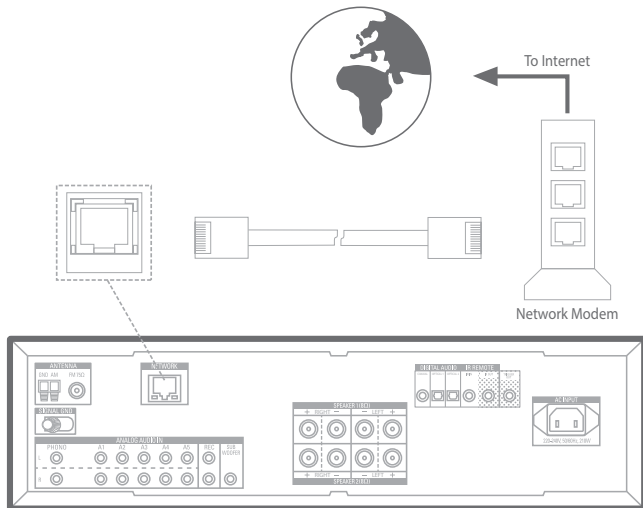
1. Connect the supplied FM antenna to the stereo receiver's FM 75Ω Radio Antenna connector. For the best reception, extend the FM antenna as far as possible.
2. Bend and fold the base of the supplied AM antenna as shown and connect the antenna wires to the stereo receiver's AM and GND connectors (you can connect either wire to either connector). Move the antenna as necessary to minimize background noise.



Connecting to 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.

NOTE: The device name will be HK 3700 <MAC Address> for HK 3700 stereo receiver and HK 3770 <MAC Address> for the HK 3770 stereo receiver.

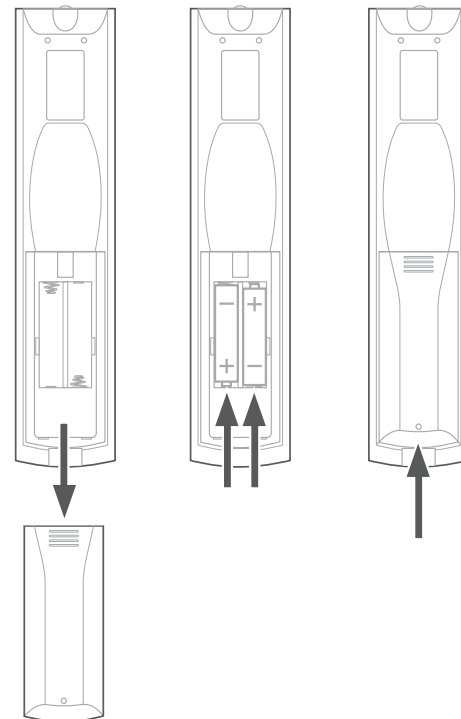


NOTE: The 220 -240 V models have detachable power cords and the 120 V models have fixed power cords.

Preparing the Remote Control

Installing the Batteries

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 does not reduce the remote control's effectiveness.

Connecting IR Remote Input

The HK 3700/3770 is equipped with an IR Remote Input and an IR Remote Output to facilitate use of your system with a remote control in a variety of situations.

When the HK 3700/3770 is placed in such a way that aiming the remote at the front panel IR sensor is difficult, such as inside a cabinet or facing away from the listener, you can connect an external IR receiver to the IR Remote Input jack. If any of your source devices are equipped with a compatible IR Remote Input, use a 1/8" mini-plug interconnect cable (not included) to connect the HK 3700/3770's Remote IR Output to the source device's Remote IR Input, which will pass any applicable remote signals transmitted through the HK 3700/3770 to the source device. This enables you to control your sources even when the HK 3700/3770 itself is controlled via an external IR receiver. To control more than one source device using the Remote IR Output, connect all sources in such a way to the HK 3700/3770's Remote IR Output that the first device's Remote IR is connected to the next device's Remote IR Input, and so on.

Connecting Trigger Output

Connect this output to a compatible trigger input such as a Harman Kardon subwoofer. Consult the owner's manual for the subwoofer to set its trigger input correctly, and the subwoofer will automatically turn on or off when the HK 3700/3770 is turned ON or OFF. In addition, the Trigger Outputs are used with the Subwoofer Link Switches to conserve energy by powering off the subwoofer's amplifier when it is not needed. The Subwoofer Trigger Outputs send a signal of 12 volts DC.

Connecting AC Power

Connect the supplied AC power cord to the stereo receiver's AC Input connector and then to a working, non-switched AC power outlet.

Using the Remote Control

When using the remote control, aim it towards the receiver's front panel. Make sure that no objects, such as furniture block the remote's view of the system. Bright lights, fluorescent lights, and plasma-video displays may interfere with the function of the remote.

- The remote control has a range of about 20 feet (6.1 m), depending on the lighting conditions.
- You can use the remote at an angle of up to 30° to either side of the receiver.

If the remote seems to operate intermittently, or if pressing a button on the remote does not cause the remote control backlights to light up, make sure that the batteries are inserted correctly. If the remote still operates intermittently, replace the batteries with the new ones.

Setting up the Network

To play MP3 or WMA media located on DLNA-compatible devices connected to the network or use the stereo receiver's internal Internet radio tuner, the stereo receiver must be connected to your home network. If your network uses an automatic IP address, you should not have to perform any network setup procedures. Once you connect the stereo receiver to your home network, the network should automatically assign an IP address to the stereo receiver, and the stereo receiver should be automatically connected to your network.

If your stereo receiver does not automatically connect to your network, the stereo receiver will display a **Not Connected** message when you press the Network source button on the remote control.

1. Press the menu button, select network using the Up and Down buttons of the navigation pad and press **OK**.
The **Network** menu will appear.
2. Select **AUTO** using the Left and Right navigation buttons of the navigation pad and press **OK**.
3. Scroll down to the bottom and select **Apply & Save**.
The stereo receiver will attempt to connect to the network.

If the stereo receiver again fails to connect to the network, you may need to enter your network's settings manually. In this case, you may need to obtain your network's settings from your ISP or network administrator. After obtaining your network's settings

1. Select **IP Configuration** and use the **Left/Right** buttons to change the setting to **Manual**.
The settings such as **IP Address, Subnet Mask, Gateway, Primary DNS** and **Secondary DNS** will be activated.
2. Use the **Up/Down** buttons to select the correct numbers and make entries for all of these settings.
3. Scroll down to the bottom of the page and select **Apply & Save**.
4. Press **OK**.
The stereo receiver will refresh the network connection while it remains ON. If the stereo receiver cannot connect to the network using the manual settings, contact your ISP or network administrator for assistance.

IMPORTANT: You must select Apply & Save to activate your network settings.

NOTE: We recommend you to directly connect the stereo receiver to a home-network router so that it can directly access the Internet for internet radio, or access devices on the network for playback of content stored on the devices.

NOTE: If you have trouble connecting to the network at any time, cycle the stereo receiver into the Off mode, and then turn it back ON.

Operations

Turning the Stereo Receiver ON and OFF

After you plug the power cord into an AC outlet, the power indicator should light up amber. This indicates that the HK 3700/3770 is in standby mode and is ready to be turned ON.

The HK 3700/3770 may be turned on by pressing the Power button or any source selector on the front panel of the receiver or the remote. The power indicator will turn white to indicate that the HK 3700/3770 stereo receiver is ON. If the power LED flashes amber, your stereo receiver is in protect mode. Unplug the receiver from AC power and check all of your wires and connections. Make sure no speaker wires are shorting out by touching each other, and that there are no breaks in the insulation covering any of the speaker wires, interconnects or the power cord. If the power LED still flashes amber when you plug in the HK 3700/3770 and try to turn it ON again, bring the receiver to an authorized Harman Kardon service center for assistance. To turn the receiver OFF, press the Power switch on the front panel, or press the Power OFF button on the remote. When the HK 3700/3770 is left unplugged, any programmed settings, including system configuration and preset radio stations will be preserved indefinitely.

Adjusting the Receiver's Volume

The volume may be adjusted either by turning the knob on the front panel (clockwise to increase volume or counterclockwise to decrease volume), or by pressing the Volume Control buttons on the remote.

The volume is displayed as a negative number of decibels (dB) below the 0 dB reference point. Unlike some volume controls on other products, 0 dB is the maximum volume for the HK 3700/3770 receiver. Although it is physically possible to turn the volume to a higher level, doing so may damage your hearing and your speakers.

For certain more-dynamic audio materials, even 0 dB may be too high and can damage the equipment.

The HK 3700/3770 is designed to reproduce audio with a minimum amount of distortion. This clarity may lead you to believe that your hearing and the equipment can handle higher volumes. We urge caution with regard to volume levels.

Muting the Receiver

To temporarily mute all speakers and the headphones, press the **Mute** button on the stereo receiver's remote. Any recording in progress will not be affected. If the Subwoofer Trigger Outputs are in use, muting will turn off the subwoofer's amplifier to conserve energy. The **MUTE** message will appear in the display as a reminder. To restore normal audio, either press the Mute button again, or adjust the volume. Turning off the HK 3700/3770 will also end mute effect on the receiver.

Listening through Headphones

Plug the 1/4" plug on a pair of headphones into the headphone jack on the front of the receiver for private listening.

Selecting a Source

Select a source device connected to the HK 3700/3770 for playback by pressing its associated button on the front panel or remote control.

The following sources are available in the HK 3700/3770 receiver:

- Cable/ Sat
- TV
- CD
- Phono in
- FM Radio
- AM Radio
- USB
- iPod
- Bluetooth Music (HK 3770 only)
- vTuner (Internet Radio)
- DLNA (Network)

Operating through Bluetooth (HK 3770 Only)

To wirelessly stream audio to the HK 3770 from a Bluetooth-enabled device using the front panel control or the remote control:

1. Press the **Bluetooth** button.
2. Press the **Menu** button.
3. Select the **Option** menu using the Up and Down navigation buttons and press **OK**.
4. Press **OK** when the **Force pairing** message appears.
5. Use the Bluetooth pairing menu from the device you want to connect to the HK3770. The system will appear as **HK3770_BT** in the list of Bluetooth available devices.

NOTE: If you want to connect a different or new device, restart the whole process at step one.

NOTE: The Bluetooth commands Play/Stop/Pause/Fast Forward/Fast Rewind/Previous/Next are supported by the HK3770 with compatible Bluetooth devices. These commands can be carried out using the Transport Control buttons of the remote control. These commands depend on different phone models.

NOTE: On certain phone models, the pause button is also used to resume playing music after pause. The play button has no function.

Listening to FM and AM Radio

The HK 3700/3770's built-in tuner may be selected in one of the following ways:

- Pressing the front-panel FM/AM button
- Pressing the FM/AM button on the remote (HK 3700 only)

Press the FM/AM button again to toggle between FM and AM frequency ranges.

Radio stations may be selected in any of the following ways:

1. If you know the frequency number, enter it directly by first pressing the **Direct** button on the remote, and then using the numeric keys.
2. After you have programmed preset stations (see below), either enter the preset number directly (1 through 30) using the remote control, or use the left and right navigation pad or next and previous buttons to scroll through the list of presets.
3. In Auto Tuning mode (use the front panel tuning mode button or long press the **OK** button on the remote control to select between **AUTO** and **Manual**), use the remote control up and down navigation pad or the front panel tuning buttons to scan in the chosen direction until a station with acceptable strength is detected.
4. In Manual Tuning mode (use the front panel tuning mode button or long press the **OK** button on the remote control to select between **AUTO** and **Manual**), each press on the remote control up and down navigation pad or the front panel tuning buttons will tune the next frequency increment in the selected direction.
5. Press the Preset Scan button on the remote to scan through the previously programmed preset stations. The tuner will pause for five seconds at each frequency before tuning to the next preset. Press the Preset Scan button again to select the current station and stop scanning.

To store a station in one of the 30 presets:

1. Tune to the desired station.
2. Press the **MEM** button on the remote.
3. Use the Numeric Keys to enter the desired preset number.

In radio mode, the navigation pad of the remote control can also be used. The Up/Down buttons will tune the radio stations.

Listening to Media on a USB Device

Your stereo receiver is compatible with MP3 and WMA media. No other types of media are supported.

- MP3 compatibility: Mono or stereo, Constant Bit Rates (CBR) from 32 kbps to 320kbps, Variable Bit Rates (VBR) from lowest to highest quality, with sample rates from 8 kHz – 48 kHz.
- WMA compatibility: Ver. 9.0 standard audio, stereo CBR with 32 kHz – 48 kHz sampling rate and 40kbps – 192kbps bit rate, mono CBR with 8 kHz – 16 kHz sampling rate and 5 kbps – 16 kbps bit rate, VBR Pass Encoding and Quality Encoding 10 – 98, 44 kHz and 48 kHz sampling rate.

NOTE: WMA 9.0 lossless format is not supported.

IMPORTANT: HK3700/3770 stereo receivers are not compatible with NTFS formatted drives.

Playing files from a USB device

To play files from a USB device:

1. Insert a USB flash drive (FAT or FAT32 formatted) into the stereo receiver's front-panel USB port.

IMPORTANT: Do not connect a personal computer or peripheral to the USB port. USB hubs and multi-card readers are not supported.

2. Press the USB source button on the remote control.
3. Use the navigation pad on the remote control to navigate through the files. If your drive have several folders, use the Up and Down buttons to scroll through the folders, highlight one and press **OK** to select it.
4. Select a file to begin playback.
Any ID3 information will be displayed.

NOTES:

- To skip to the next track, press the **Right** button; to skip to the beginning of the current track, press the **Left** button once.
- You can use the **Transport Control** buttons to control playback (skipping to the previous or next track, searching at high speed forward or backward within a track, playing a file, pausing playback or stopping playback).
- To collapse a folder or return to the previous menu level, press the **Back/Exit** button.

Listening to Media via Your Home Network

Your stereo receiver is DLNA-compatible and can access MP3 and WMA audio media that is stored on other DLNA-compatible devices that are connected to the same network.

DLNA is a file sharing protocol that creates a bridge between the stereo receiver and other devices on the same network that contain audio media. DLNA is supported by PCs that have Windows Media Player, Windows Media Center or Intel Media Server file sharing, or other devices.

- MP3 compatibility: Mono or stereo, Constant Bit Rates (CBR) from 32 kbps to 320 kbps, variable bit rates (VBR) from lowest to highest quality, with sample rates from 8kHz – 48 kHz.
- WMA compatibility: Ver. 9.0 standard audio, stereo CBR with 32 kHz – 48kHz sampling rate and 40kbps – 192kbps bit rate, mono CBR with 8 kHz – 16kHz sampling rate and 5kbps – 16 kbps bit rate, VBR Pass Encoding and Quality Encoding 10 –98, 44 kHz and 48 kHz sampling rate.

NOTE: WMA 9.0 lossless format is not supported.

Listening to vTuner (Internet Radio)

Your stereo receiver's network connection brings you a world of MP3 and WMA format streams via the Internet. After you have successfully connected to your home network, press the **vTuner Source Selector** button on the remote.

The stereo receiver will automatically connect to the Internet via www.radioharmankardon.com portal. To select a stream, use the Up/Down buttons to search by category.

NOTE: The categories displayed vary by region. Navigation is similar as other menus. Scroll to the desired item and press the OK button to select it. To return to the previous menu level (or to clear the top-level menu from view), press the Exit button or the Left button.

The stereo receiver cannot connect to streams that require site registration or other interaction prior to playing the stream. If the stereo receiver cannot connect to the stream, a **Not Connected** message will appear briefly, and the Internet Radio screen will remain essentially blank.

Preset Streams

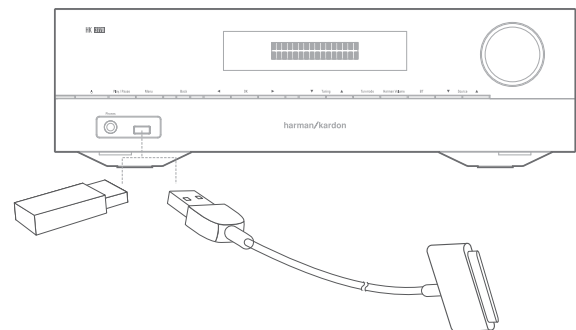
You can store a total of 30 streams as presets. When you want to save the currently tuned stream as a preset, press the remote's **MEM** button. Use the Number buttons to enter the desired preset number. These streams are accessible from the **Presets** menu item.

To create a Favorites list,

1. Log onto www.radioharmankardon.com from your computer.
2. Enter your stereo receiver's vTuner ID # (the vTuner ID # is on the **Help** screen in the vTuner source main menu) and create an account. Favorites that you select on the website will be available on the stereo receiver.

Listening to an iPod/iPhone Device

When an iPod, iPhone or iPad device is connected to the stereo receiver's front panel USB port, you may play audio files through your high-quality audio system using the built-in 24bit/192kHz DAC, operate the iPod, iPhone or iPad using the stereo receiver remote or the front-panel controls and charge the iPod, iPhone or iPad. For the latest compatibility information, please see our website: www.harmankardon.com.



Press the USB source selector button on the remote until the front panel displays **iPod** as the source. The table below summarizes the controls available during normal playback via the USB port.

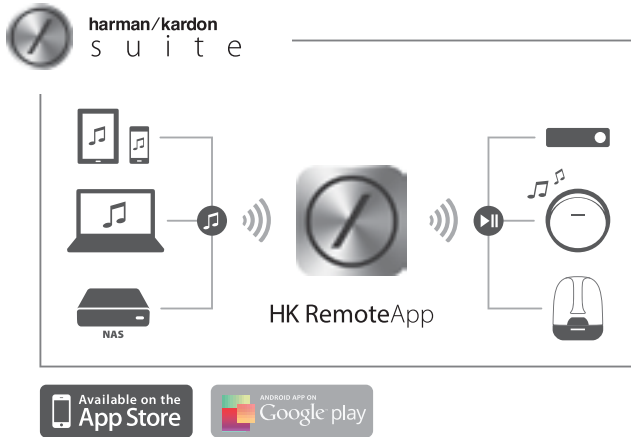
iPod, iPhone or iPad Function	Remote Control Button
Play	Play
Pause	Pause
Forward Search	Forward Search
Reverse Search	Reverse Search
Next Track	Skip Forward or Right Arrow
Previous Track	Skip Backward or Left Arrow

While a selection is playing, the song title, and play mode icon will appear on the Message Display.

Harman Remote App

Now that you have installed your components and completed basic configuration, you are ready to begin enjoying your system.

For easy control of your stereo receiver with your hand-held device, download the free Harman Kardon Remote app from iTunes App Store for compatible Apple products, or from Google Play for compatible Android powered smartphones.



The Harman Kardon Remote App controls virtually all the functions of HK 3700 and HK 3770 that are connected to the same network as the device that has the app installed. With this easy-to-use app you can turn the stereo receiver ON or OFF, select a source, control the volume and virtually any other function.

Software Update

If a software upgrade is released for your stereo receiver, installation instructions will be available in the Product Support section of the website or from Harman Kardon customer service. At that time, you may use this submenu to install the upgrade software.

IMPORTANT: During a software upgrade, do not power off the stereo receiver or use any of its controls. Doing so could permanently damage the stereo receiver.

Troubleshooting

If your HK 3700/3770 stereo receiver does not perform the way you think it should, check whether the problem is covered in this section before contacting your dealer or a Harman/Kardon representative.

Problems	Solutions
Unit does not function when main Power switch is turned on	<ul style="list-style-type: none"> • Make sure AC power cord is plugged into a live outlet. • Check to see whether outlet is switch-controlled.
No sound from the receiver	<ul style="list-style-type: none"> • Make certain that all input and speaker connections are secure. • Press the Mute Button. • Turn up the Volume Control. • Press the correct Source Selector. • Press the Speaker 1 or Speaker 2 Button. • Unplug the headphones.
No sound from any speaker	<ul style="list-style-type: none"> • Check speaker-wire connections for shorts at receiver and speaker ends. • Contact your local Harman Kardon service center.
Unit does not respond to remote commands	<ul style="list-style-type: none"> • Change remote batteries. • Make certain the front-panel sensor is visible to the remote or connect an optional remote sensor.
Intermittent buzzing in tuner	<ul style="list-style-type: none"> • Move unit or antenna away from computers, fluorescent lights, motors or other electrical appliances.
Audio sources sound distorted	<ul style="list-style-type: none"> • Only plug a device into the Phono Inputs if it is a turntable with a moving-magnet cartridge, or if it is a turntable with a moving-coil cartridge with a phono preamp. • Do not use a turntable with any inputs other than the Phono Inputs, unless it has a moving-magnet-type cartridge and includes a phono preamp.

Specifications

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	No	Yes
Power supply	SMPS	SMPS
CONNECTIVITY		
AUDIO INPUTS		
iPod® audio	Yes through USB	Yes through 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, 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: 60Hz (120V)
: 50/60Hz (220-240V)
Power consumption: <0.5W (standby); 310W 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
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): ±30 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 – 1710kHz (120V)
: 522kHz – 1620kHz (220-240V)
Signal-to-noise ratio: 38dB
Usable sensitivity (loop): 500µV
Distortion (1kHz, 50% mod): 1.0%
Selectivity (±10kHz): 30dB

HK 3770 Stereo Receiver

General Specifications

Power requirement: 60Hz (120V)
: 50/60Hz (220-240V)
Power consumption: <0.5W (standby); 480W 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
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: 120 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): ±40 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 – 1710kHz (120V)
: 522kHz – 1620kHz (220-240V)
Signal-to-noise ratio: 38dB
Usable sensitivity (loop): 500µV
Distortion (1kHz, 50% mod): 1.0%
Selectivity (±10kHz): 30dB



[HK 3770 only]



HARMAN

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