

HKTS 30SAT-2

Speaker pair

User Guide

English.....

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Suomi.....

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Español.....

Svenska.....

Русский.....

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Harman Kardon® HKTS 30SAT-2

Introduction

Thank you for purchasing the Harman Kardon® HKTS 30SAT-2 speaker pair, with which you're about to begin many years of listening enjoyment. While state-of-the-art speaker components are hard at work within the HKTS 30SAT-2, hookup is simple. Color-coded cables make the HKTS 30SAT-2 easy to use.

To obtain maximum enjoyment from your new speaker system, we urge you to take a few minutes to read through this manual. It will help ensure that the connections you make to your receiver or amplifier are correct.

If you have any questions about this product, its installation or its operation, please contact your dealer, the best local source of information.

Description and Features

The HKTS 30SAT-2 is a pair of speakers, each of which features:

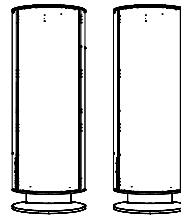
- Dual 3" (75mm) video-shielded midrange drivers
- One 3/4" (19mm) video-shielded dome tweeter
- A sealed enclosure
- A built-in, removable base
- A wall-mount bracket
- Color-coded connecting cables

The speaker cables use a color-coding system to conform to the Consumer Electronics Association (CEA®) standard. This color-coding system minimizes confusion when you connect the speakers, especially when you are connecting them to a Harman Kardon receiver.

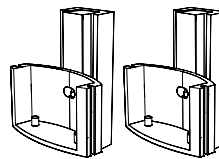
Optional HTFS 3/E floor stands are available separately from your Harman Kardon dealer.

Included

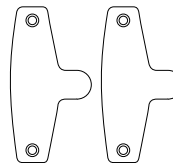
Two HKTS 30SAT-2 satellite speakers



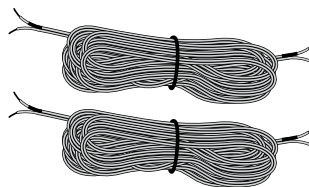
Two wall-mount brackets



Two metal stop plates and screws



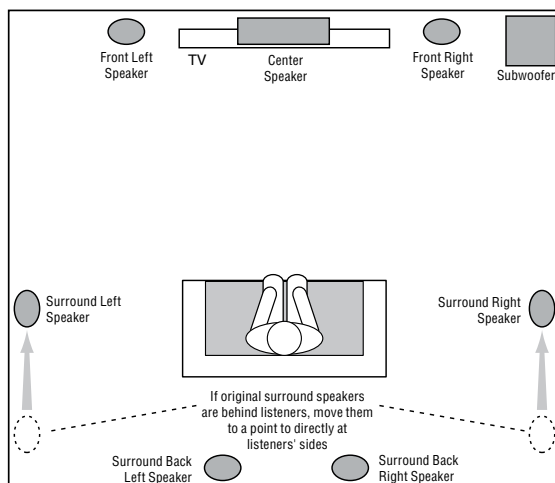
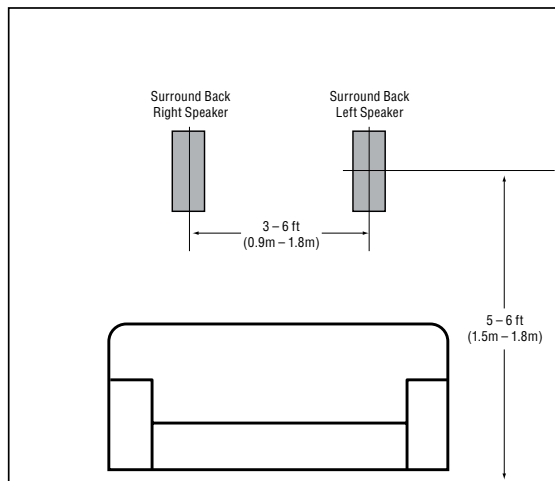
Two 10-meter (32.8-foot) speaker cables
(brown and tan color bands)



Speaker Placement

Expanding a 5.1-Channel System to a 7.1-Channel System

The surround back speakers should be placed against the rear wall directly behind the listeners, 3–6 feet (0.9m–1.8m) apart, 5–6 feet (1.5m–1.8m) off the floor.



NOTE: If your original surround speakers are located behind the listeners, you should move them up so they are directly to the listeners' sides.

If You're Adding to an Existing HKTS 30 Speaker System:

Your HKTS 30SAT-2 speakers are designed to expand an existing HKTS 30 speaker system from 5.1 channels to 7.1 channels. You can connect the HKTS 30SAT-2 speakers to your receiver's or amplifier's surround back left and surround back right outputs.

If You're Adding to an Existing HKTS 20 Speaker System:

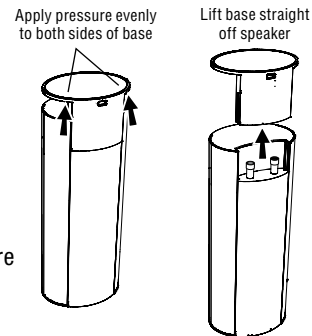
Your HKTS 30SAT-2 speakers are designed to expand an existing HKTS20 speaker system from 5.1 channels to 7.1 channels by replacing the existing front left and front right speakers. You can then connect your existing HKTS20 front left and front right speakers to your receiver's or amplifier's surround back left and surround back right outputs.

Mounting Options for HKTS 30SAT-2 Speakers

Shelf Placement

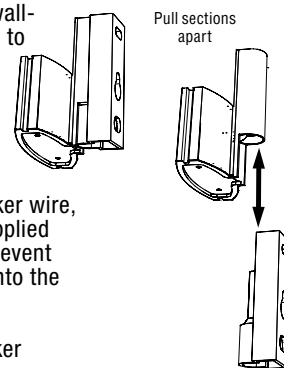
You can place the HKTS 30SAT-2 speakers on shelves. The satellite speakers have built-in bases for shelf placement. You can also remove the bases if you desire.

To remove a speaker's base, pull it straight off the speaker, as shown in the illustration. Applying even pressure to both sides of the base will allow it to slide off smoothly.



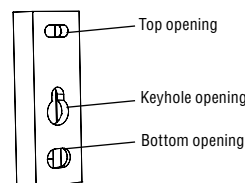
Wall-Mounting

IMPORTANT: Read the *Speaker Connections* section, on page 5, before wall-mounting the HKTS 30SAT-2 speakers. You will need to insert the speaker wires through the wall-mount brackets and connect the wires to the speakers during the process of installing the wall-mount brackets.

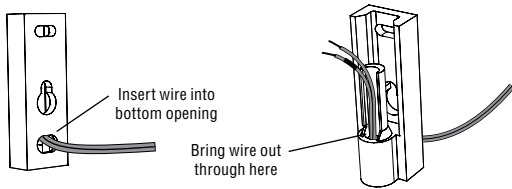


NOTE: If you are using your own speaker wire, it must be no thicker than the wire supplied with the speakers. Thicker wire will prevent the wall-mount bracket from sliding onto the speaker.

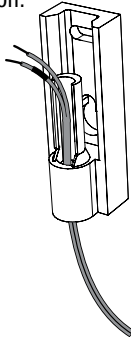
1. Decide on the location for the speaker (see *Speaker Placement*, opposite).
2. Remove the speaker's base as explained in *Shelf Placement*, above.
3. Disassemble the wall-mount bracket by sliding the two sections apart, as shown in the illustration.
4. Attach the wall portion of the wall-mount bracket onto the wall using hardware that is appropriate for the wall's construction and materials. We recommend first anchoring the wall-mount bracket using its keyhole, then attaching it with another anchor through its top opening, as shown in the illustration. Note that the HKTS 30SAT-2 speakers weigh 3.3 lb (1.5kg). Be sure to use hardware that can support this weight.



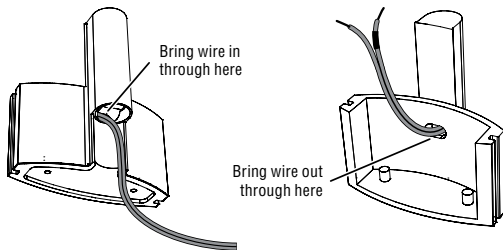
NOTE: If you're running the speaker wire through the wall, you can bring it out directly behind the wall-mount bracket's location and insert it through the bottom opening in the wall portion of the wall-mount bracket, as shown in the illustration. Inserting it will keep the wire completely hidden from view once the installation is complete.



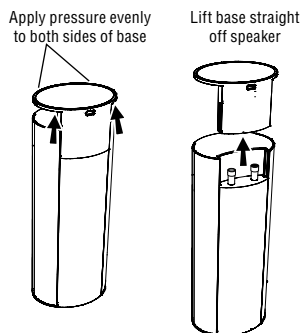
5. If you're not running the speaker wire through the wall, insert it through the wall portion of the wall-mount bracket, as shown in the illustration.



6. Pass the speaker wire through the speaker portion of the wall-mount bracket, as shown in the illustration.



7. If you have not already removed the speaker's base, do so by pulling it straight off the speaker, as shown in the illustration. Applying even pressure to both sides of the base will allow it to slide off smoothly.

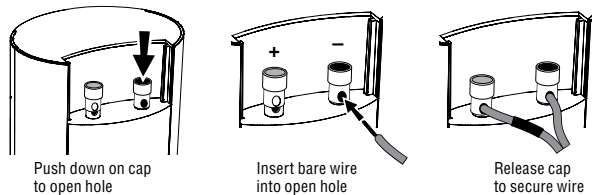


CAUTION: Before making speaker connections, be sure that your receiver or amplifier is turned OFF and, preferably, its AC cord is unplugged from the AC outlet.

8. Connect the speaker wire to the speaker terminals, as shown in the illustration:

- Press down on the top of the terminal to open the connection hole.
- Insert the wire's bare end all the way into the hole.
- Release the terminal to secure the wire.

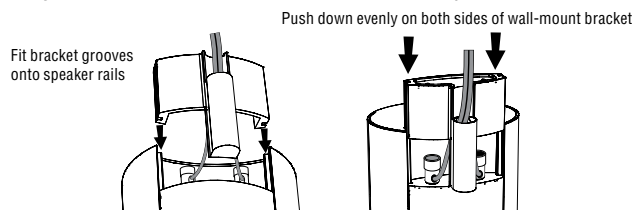
Insert the conductor with the colored band into the speaker's *red* (+) terminal, and insert the other conductor into the speaker's *black* (-) terminal.



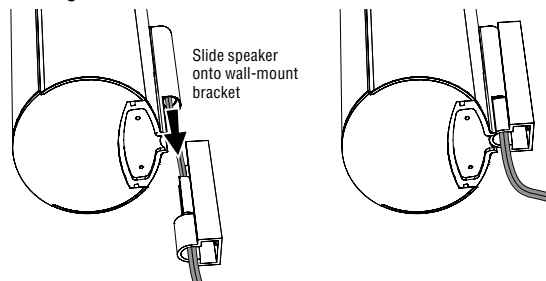
IMPORTANT: Make sure the (+) and (-) bare wires do not touch each other or the other terminal. Touching wires can cause a short circuit that can damage your receiver or amplifier.

9. Slide the speaker portion of the wall-mount bracket onto the speaker, as shown in the illustration. Fit the wall-mount bracket's grooves onto the rails in the speaker, and apply even pressure on both sides of the wall-mount bracket so it slides straight onto the speaker.

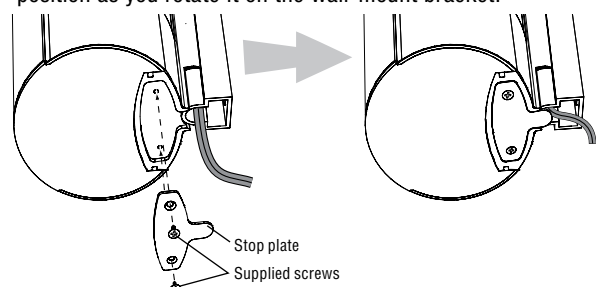
- Push the wall-mount bracket all the way onto the speaker until it snaps into place.
- Pull any slack speaker wire back through the wall-mount bracket as you slide the wall-mount bracket onto the speaker.



10. Slide the speaker onto the wall-mount bracket's wall section, as shown in the illustration. Pull any slack speaker wire back through the wall-mount bracket's wall section.



11. Fit the metal stop plate into the recess on the bottom of the wall-mount bracket with the pad facing the bracket, and fasten it to the bracket using two of the supplied screws. Fastening it will prevent the speaker from detaching from the wall-mount bracket and will hold the speaker in position as you rotate it on the wall-mount bracket.



Speaker Connections

CAUTION: Before making speaker connections, be sure that your receiver or amplifier is turned OFF and, preferably, its AC cord is unplugged from the AC power outlet.

Color-Coding System

The HKTS30 SAT-2 uses the channel color-coding system established by the Consumer Electronics Association (CEA) to make setting up your home theater speaker system as easy as possible. The HKTS 30 systems include speaker wires with colored bands on each end.

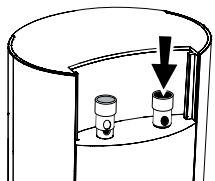
Speaker Position	Wire Color Band
Surround Back Left	Brown
Surround Back Right	Tan

Speakers and receivers/amplifiers have corresponding (+) and (-) connection terminals. Most electronics manufacturers, including Harman Kardon, have been using *red* to denote the (+) terminal and *black* for the (-) terminal. Newer Harman Kardon receivers conform to the CEA standard and therefore use a color other than red to denote the (+) terminal for some speaker positions.

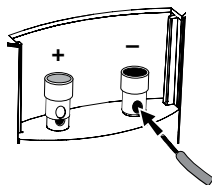
Each speaker wire included with your system has colored bands at both ends of the (+) conductor. In addition to the colored bands at each end, each speaker wire's (+) terminal has ribs molded into its insulation to help you identify it, while the (-) terminal has no ribs.

It is very important to connect each speaker identically: (+) on the speaker to (+) on the receiver or amplifier, and (-) on the speaker to (-) on the receiver or amplifier. Miswiring one or more speakers results in thin sound, weak bass and a poor stereo image. With the advent of multichannel surround-sound systems, connecting all of the speakers in your system correctly is very important for achieving the proper ambience and directionality of the sound coming from the speakers.

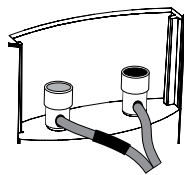
To connect the speaker wire to the terminals on the speakers, press down on the top of the terminal to open the connection hole, insert the wire's bare end all the way into the hole, and release the terminal to secure the wire. Insert the conductor with the colored band into the speaker's *red* (+) terminal, and insert the other conductor into the speaker's *black* (-) terminal, as shown in the illustration.



Push down on cap to open hole



Insert bare wire into open hole



Release cap to secure wire

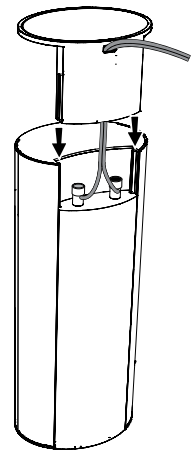
IMPORTANT: Make sure the (+) and (-) bare wires do not touch each other or the other terminal. Touching wires can cause a short circuit that can damage your receiver or amplifier.

Connecting HKTS 30SAT-2 Speakers with the Supplied Wall-Mount Brackets

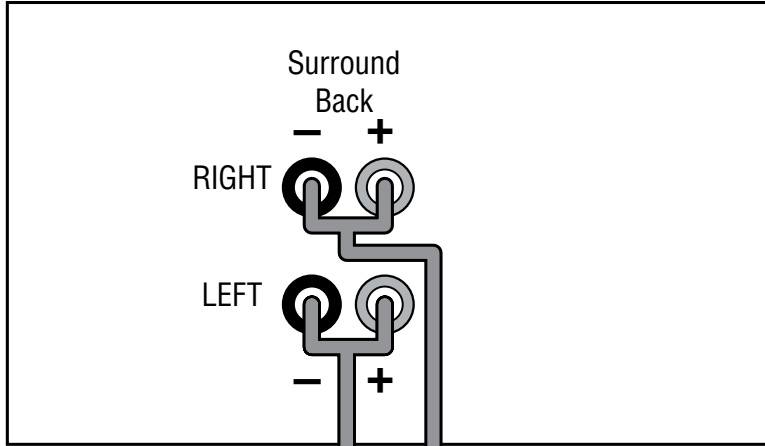
Follow the instructions in *Wall-Mounting* on page 3.

Connecting HKTS 30SAT-2 Speakers with the Supplied Bases

1. Remove the speaker's base (see *Shelf Placement*, on page 3).
2. Pass the speaker wire through the opening in the speaker's base.
3. Connect the speaker wire as described in *Color-Coding System*, opposite.
4. Reattach the speaker's base, as shown in the illustration.

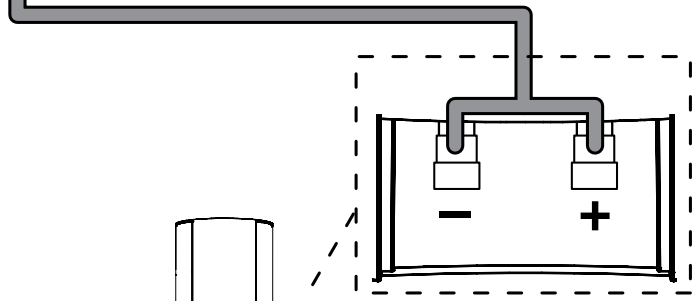
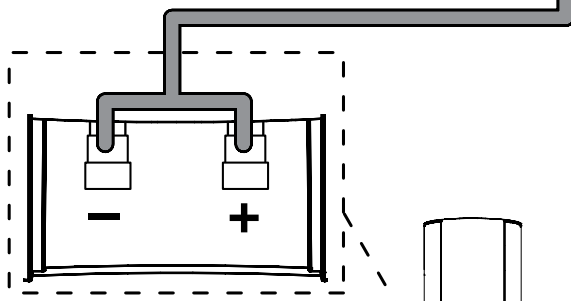


Receiver

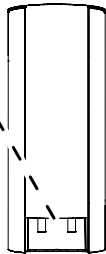


Surround Back Left
Speaker Cable
(Brown Bands)

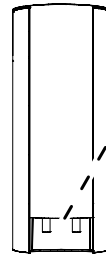
Surround Back Right
Speaker Cable
(Tan Bands)



Surround Back
Left



Surround Back
Right



Troubleshooting

If there is no sound from *any* of the speakers:

- Check that the receiver/amplifier is on and a disc or other source is playing.
- Make sure that all wires and connections between the receiver/amplifier and the speakers are connected properly.
- Make sure that none of the speaker wires is frayed, cut or punctured.
- Review the proper operation of your receiver/amplifier.

If there is no sound coming from *one* speaker:

- Check that the balance control on your receiver/amplifier is not set all the way to one channel.
- Check your receiver/amplifier's speaker setup procedure to make sure that the speaker in question has been enabled and its volume level has not been turned all the way down.
- Make sure that all wires and connections between the receiver/amplifier and the speaker are connected properly.
- Make sure that none of the speaker wires is frayed, cut or punctured.

If there is no sound coming from the *surround* speakers:

- Check your receiver/amplifier's speaker setup procedure to make sure that the surround speakers have been enabled and their volume levels have not been turned all the way down.
- Make sure that all wires and connections between the receiver/amplifier and the surround speakers are connected properly.
- Make sure that none of the speaker wires is frayed, cut or punctured.
- Review proper operation of your receiver/amplifier and its surround-sound features.
- Make sure that the movie or TV show you're watching has been recorded in a surround-sound mode. If it has not, check to see if your receiver/amplifier has a different surround-sound mode that you can use.
- Review the operation of your DVD player and the DVD jacket to make sure the DVD features the Dolby® Digital or DTS® surround-sound mode and that you have selected that mode using both the DVD player's menu and the disc's menu.

If the system plays at low volumes but shuts off as volume is increased:

- Make sure that all wires and connections between the receiver/amplifier and the speakers are connected properly.
- Make sure that none of the speaker wires is frayed, cut or punctured.
- If you're using more than one pair of main speakers, check to be sure that you're not operating the system below the receiver/amplifier's minimum impedance requirements. If you're not sure how to check the impedance, ask your audio retailer.

Specifications

HKTS 30SAT-2 Satellites

Recommended Power
10 ~ 120 watts

Impedance
8 ohms nominal

Sensitivity
86dB @ 2.83V/1 meter

Tweeter
One 3/4" (19mm) dome, video-shielded

Midrange
Dual 3" (75mm) drivers, video-shielded

Dimensions – including stands (H x W x D)
11-25/32" x 4-11/32" x 3-15/32"
(299mm x 110mm x 88mm)

Weight
3.3 lb (1.5kg)

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