



## 5.1ch Home Theater Speaker Package

# HTP-518 SKS-HT518

- SKF-518F**      **FRONT SPEAKER**
- SKC-518C**      **CENTER SPEAKER**
- SKM-518S**      **SURROUND SPEAKER**
- SKW-518 (HTP-518)**      **POWERED SUBWOOFER**
- SKW-501 (SKS-HT518)** **POWERED SUBWOOFER**

## Instruction Manual

Thank you for purchasing an Onkyo home theater speaker package. Please read this manual thoroughly before using your new speakers. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your speaker package.  
Please retain this manual for future reference.

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**WARNING:**

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

**CAUTION:**

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



**WARNING**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**AVIS**  
RISQUE DE CHOC ELECTRIQUE  
NE PAS OUVRIR



The lightning flash with 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 appliance.

**Important Safety Instructions**

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 dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install 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 are 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. Only use 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.

PORTABLE CART WARNING



S3125A

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 power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. Damage Requiring Service  
Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - A. When the power-supply cord or plug is damaged,
  - B. If liquid has been spilled, or objects have fallen into the apparatus,
  - C. If the apparatus has been exposed to rain or water,
  - D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
  - E. If the apparatus has been dropped or damaged in any way, and
  - F. When the apparatus exhibits a distinct change in performance this indicates a need for service.
16. Object and Liquid Entry  
Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.  
The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.  
Don't put candles or other burning objects on top of this unit.
17. Batteries  
Always consider the environmental issues and follow local regulations when disposing of batteries.
18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.  
Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

## Precautions

### 1. AC Fuse

The fuse is located inside the chassis and is not user-serviceable. If power does not come on, contact your Onkyo authorized service station.

### 2. Care

From time to time you should wipe off the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these may damage the finish or remove the panel lettering.

Use a vacuum cleaner to remove dust from hard-to-reach grilles.

### 3. Power

#### WARNING

**BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.**

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (AC 220-240 V, 50/60 Hz (SKW-501), AC 230, 50 Hz (SKW-518)) written on the rear panel.

The power cord plug is used to disconnect this unit from the AC power source. Make sure that the plug is readily operable (easily accessible) at all times.

Auto standby function does not fully shutdown the SKW-518/SKW-501. If you do not intend to use the SKW-518/SKW-501, remove the power cord from the AC outlet.

### For Canadian models

For models having a power cord with a polarized plug:

**CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.**

### Modèle pour les Canadiens

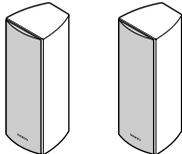
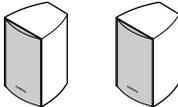
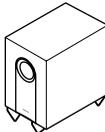
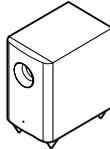
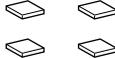
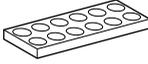
Sur les modèles dont la fiche est polarisée:

**ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.**

The alphabet displayed at the end of the product name found in catalogs and on package represents the color of the system. Though the color varies, the specifications and operations are the same.

## Package Contents

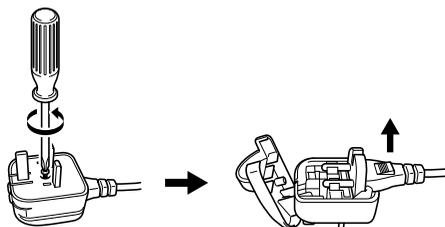
Make sure your box contains all of the items below. If anything is missing, contact the nearest Onkyo dealer.

- Front speakers (SKF-518F) 
- Speaker cable for front speakers 3.5 m (Red)  (White) 
- Center speaker (SKC-518C) 
- Speaker cable for center speaker 3.5 m (Green) 
- Surround speakers (SKM-518S) 
- Speaker cables for surround speakers 9 m (Blue)  (Gray) 
- Subwoofer  or 
- SKW-518 (HTP-518) SKW-501 (SKS-HT518)
- RCA cable for subwoofer connection 
- 4 floor pads for the subwoofer 
- 16 thin rubber stoppers, 12 thick rubber stoppers  

#### \* SKW-501 (SKS-HT518):

##### How to detach the power-plug adapter :

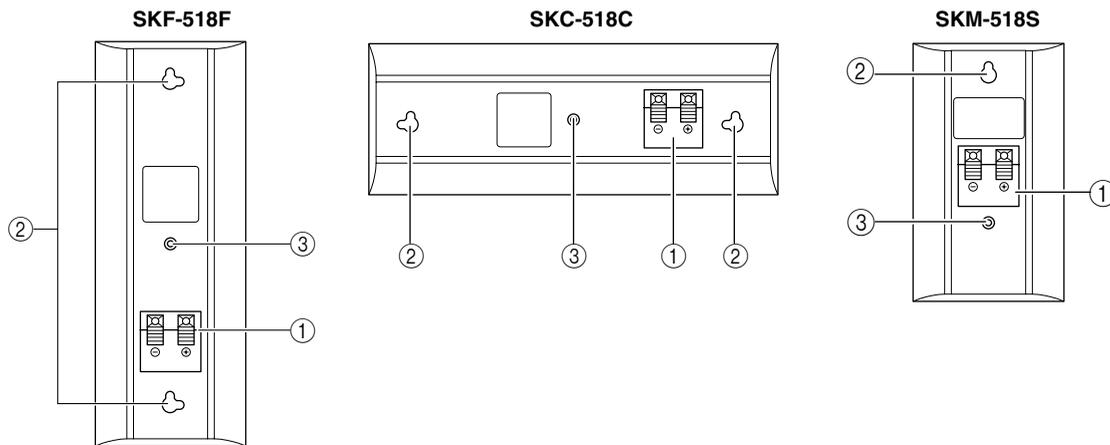
The SKS-HT518 ships with the power-plug adapter already attached. If the adapter does not match with your AC outlet, remove the adapter



# Getting to know Your Speaker Package

## Front, Center, and Surround speakers (SKF-518F, SKC-518C, SKM-518S)

### ■ Rear



#### ① Speaker terminals

These push terminals are for connecting the speaker to the AV receiver with the supplied speaker cables. The supplied speaker cables are color-coded for easy identification. Simply connect each cable to the same-colored positive speaker terminal.

#### ② Keyhole slots

These keyhole slots can be used to wall-mount the speaker (see page 8).

#### ③ Speaker mount/bracket inserts

These threaded inserts can be used to attach the speaker to a speaker mount or bracket (see page 8).

#### Note:

Use commercially available machine screws to attach the speaker to a speaker mount or bracket. Require M5 (5 mm) screws.

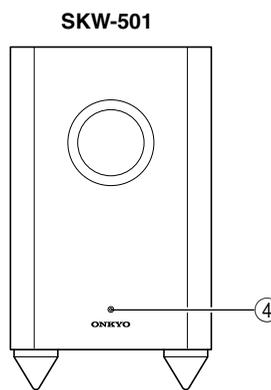
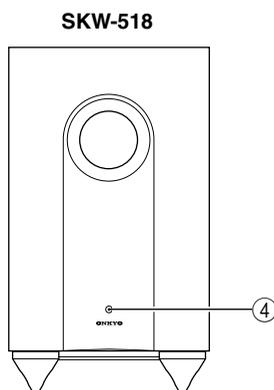
#### Caution:

The front grilles are not designed to be removed so do not attempt to remove them forcibly, as this will damage them.

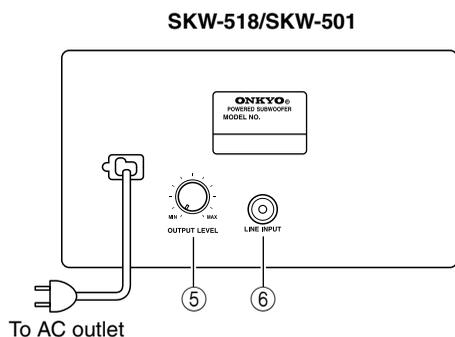
## Getting to know Your Speaker Package—Continued

### Subwoofer (SKW-518/SKW-501)

#### ■ Front



#### ■ Rear



#### ④ STANDBY/ON indicator

- Red: Subwoofer in standby mode
- Blue: Subwoofer on

With the Auto Standby function, the SKW-518/SKW-501 automatically turns on when an input signal is detected in Standby mode. When there's no input signal for a while, the SKW-518/SKW-501 automatically enters Standby mode.

#### ⑤ OUTPUT LEVEL control

This control is used to adjust the volume of the subwoofer.

#### ⑥ LINE INPUT

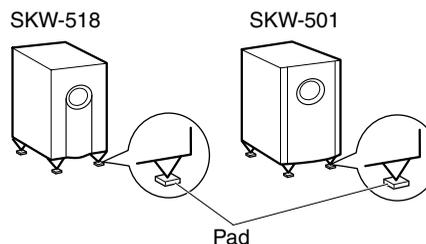
This RCA input should be connected to the subwoofer pre out on your AV receiver with supplied RCA cable.

#### Note:

The Auto Standby function turns the subwoofer on when the input signal exceeds a certain level. If the Auto Standby function does not work reliably, try slightly increasing or decreasing the subwoofer output level on your receiver.

### Using the Floor Pads for Subwoofer

If the subwoofer is placed on a hard floor (wood, vinyl, tile, etc.) and playback is very loud, the subwoofer's feet may damage the flooring. To prevent this, place the supplied pads underneath the subwoofer's feet. The pads also provide a stable base for the subwoofer.



# Connecting the Speakers

Read the following before connecting your speakers:

- Turn off your receiver before making any connections.
- Pay close attention to speaker wiring polarity. Connect positive (+) terminals to only positive (+) terminals, and negative (-) terminals to only negative (-) terminals. If the speakers are wired incorrectly, the sound will be out of phase and will sound unnatural.
- Be careful not to short the positive and negative wires. Doing so may damage your amp.



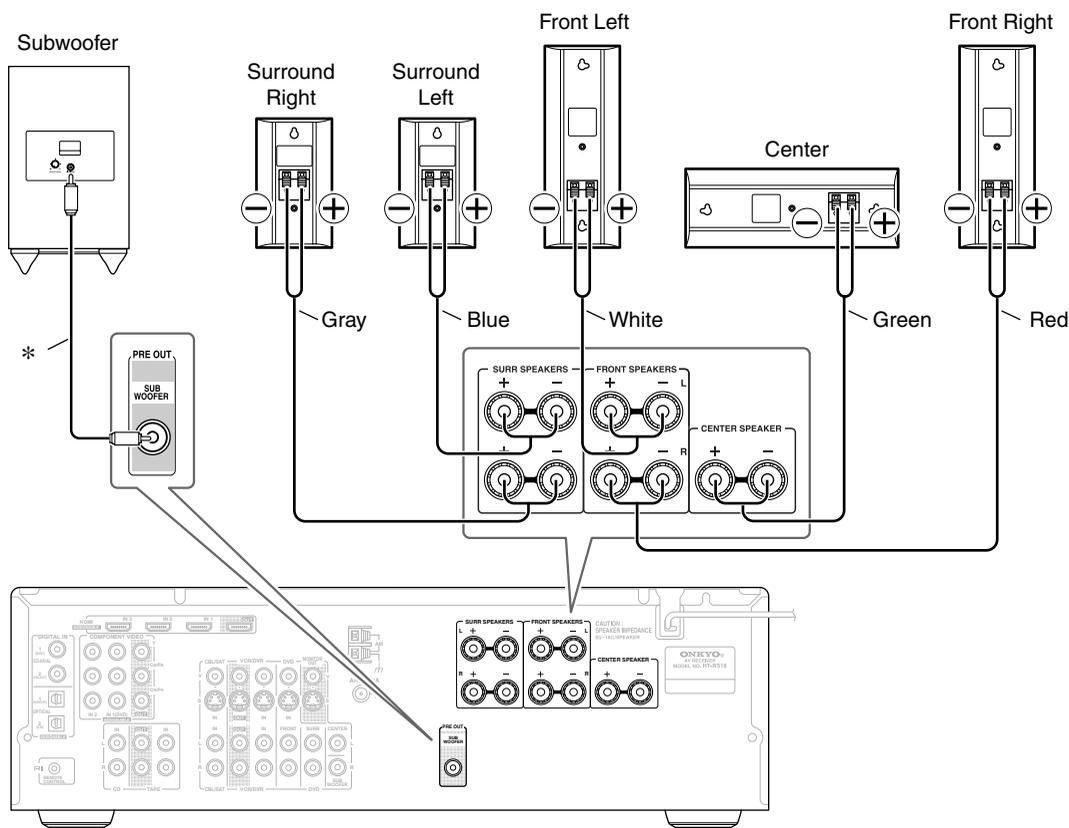
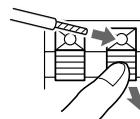
## Connecting the Speaker Cables

**Use the supplied cables to connect each speaker's input terminals to the corresponding speaker output terminals on your receiver.**

Match the color of each cable to the corresponding speaker terminal.

To make a connection, while pressing the terminal lever, insert the wire into the hole, and then release the lever.

Make sure that the terminals are gripping the bare wires, not the insulation.



\* Using the supplied RCA cable, connect the subwoofer's LINE INPUT to your AV receiver's SUBWOOFER PRE OUT.

## Connecting the Speakers—Continued

### Enjoying Home Theater

The Home Theater means that you can enjoy surround sound with a real sense of movement in your own home—just like being in a movie theater or concert hall.

#### Front left and right speakers (SKF-518F)

These output the main sound. Their role in a home theater is to provide a solid anchor for the sound image. They should be positioned facing the listener at about ear level, and equally spaced from the TV. Angle them inward slightly so as to create a triangle, with the listener at the apex.

#### Center speaker (SKC-518C)

This speaker enhances the front left and right speakers, making sound movements distinct and providing a full sound image. For movies it's used mainly for dialog.

Position it close to your TV (preferably on top) facing forward at about ear level, or at the same height as the front left and right speakers.

#### Surround left and right speakers (SKM-518S)

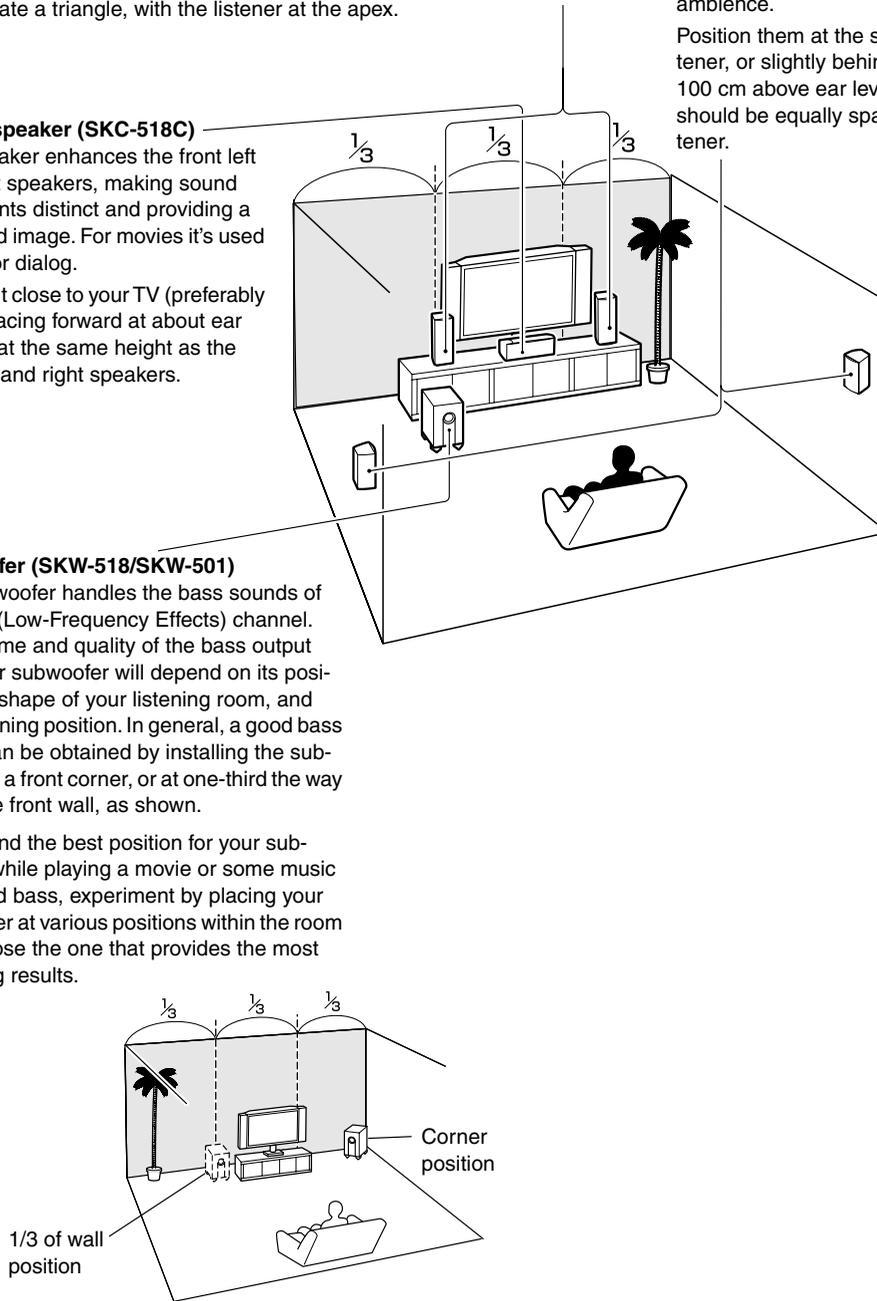
These speakers are used for precise sound positioning and to add realistic ambience.

Position them at the sides of the listener, or slightly behind, about 60–100 cm above ear level. Ideally they should be equally spaced from the listener.

#### Subwoofer (SKW-518/SKW-501)

The subwoofer handles the bass sounds of the LFE (Low-Frequency Effects) channel. The volume and quality of the bass output from your subwoofer will depend on its position, the shape of your listening room, and your listening position. In general, a good bass sound can be obtained by installing the subwoofer in a front corner, or at one-third the way along the front wall, as shown.

**Tip:** To find the best position for your subwoofer, while playing a movie or some music with good bass, experiment by placing your subwoofer at various positions within the room and choose the one that provides the most satisfying results.



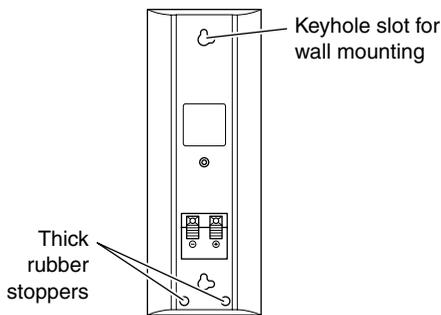
## Connecting the Speakers—Continued

### Wall Mounting

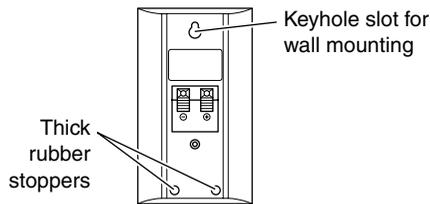
The speakers can easily be wall mounted by using the keyhole slots. To prevent the speaker from vibrating against the wall, attach two of the supplied thick rubber stoppers to the rear of each speaker.

To mount the front or surround speakers vertically, use the keyhole slot shown to hang each speaker on a screw that's securely screwed into the wall.

#### Front speaker (SKF-518F)

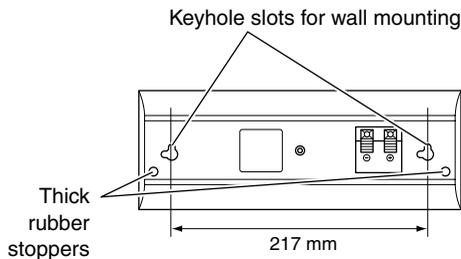


#### Surround speaker (SKM-518S)



To mount the center speaker horizontally, use the two keyhole slots shown to hang each speaker on two screws that are securely screwed into the wall.

#### Center speaker (SKC-518C)

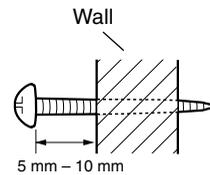


#### Caution:

A mounting screw's ability to support a speaker depends on how well it's anchored to the wall. If you have hollow walls, screw each mounting screw into a stud. If there are no studs, or the walls are solid, use suitable wall anchors. Use screws with a head diameter of 9 mm or less and a shank diameter of 4 mm or less. With hollow walls, use a cable/pipe detector to check for any power cables or water pipes before making any holes.

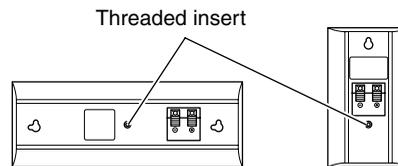
Leave a gap of between 5 mm and 10 mm between the wall and the base of the screw head, as shown.

(We recommend that you consult a home installation professional.)



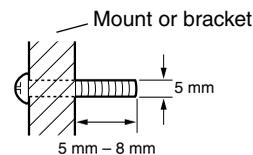
### Using Speaker Mounts/Brackets

Threaded inserts for machine screws are provided on the rear of each speaker for wall-mounting with commercially available speaker mounts or brackets. M5 (5 mm) screws are required for wall-mounting. Refer to the manual supplied with your mounts or brackets for installation details.



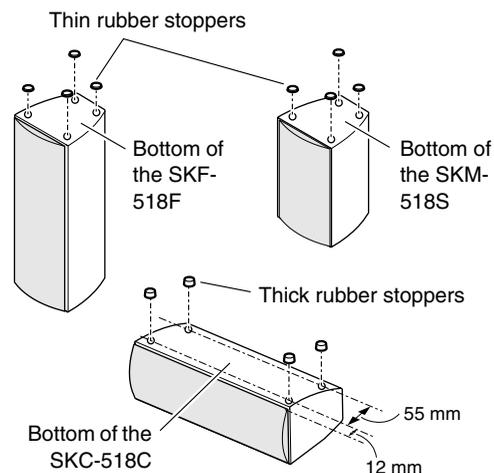
#### Note:

The portion of the screw that goes into the speaker's threaded insert should be between 5 mm – 8 mm long.



### Using the Rubber Stoppers for a More Stable Platform

We recommend using the provided rubber stoppers to achieve the best possible sound from your speakers. The rubber stoppers prevent the speakers from moving, providing a more stable platform. Use thick stoppers for the center speaker, and thin stoppers for the other speakers.



## Power Cord Precautions

- Before connecting the power cord, connect all of your speakers and AV components.
- Turning on the SKW-518 (HTP-518)/SKW-501 (SKS-HT518) may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the SKW-518 (HTP-518)/SKW-501 (SKS-HT518) into a different branch circuit.

## Adjustment

### Setting the Subwoofer Level

To set the level of the subwoofer, use the OUTPUT LEVEL control. Set it so that bass sounds are evenly balanced with the treble sounds from the other speakers. Because our ears are less sensitive to very low bass sounds, there's a temptation to set the level of the subwoofer too high. As a rule of thumb, set the subwoofer level to what you think is the optimal level, and then back it off slightly.



## Operating Precautions

### Placement

- The speaker cabinets are made out of wood and are therefore sensitive to extreme temperatures and humidity, do not put them in locations subject to direct sunlight or in humid places, such as near an air conditioner, humidifier, bathroom, or kitchen.
- Do not put water or other liquids close to the speakers. If liquid is spilled over the speakers, the drive units may be damaged.
- Speakers should only be placed on sturdy, flat surfaces that are free from vibration. Putting them on uneven or unstable surfaces, where they may fall and cause damage, will affect the sound quality.
- Subwoofer is designed to be used in the upright vertical position only. Do not use it in the horizontal or tilted position.
- If the unit is used near a turntable, CD player or DVD player, howling or slipping of sound may occur. To prevent this, move the unit away from the turntable, CD player or DVD player otherwise lower the unit's output level.

### Using Close to a TV or Computer

TVs and computer monitors are magnetically sensitive devices and as such are likely to suffer discoloration or picture distortion when conventional speakers are placed nearby. To prevent this, the SKF-518F and SKC-518C feature internal magnetic shielding. In some situations, however, discoloration may still be an issue, in which case you should turn off your TV or monitor, wait 15 to 30 minutes, and then turn it back on again. This normally activates the degaussing function, which neutralizes the magnetic field, thereby removing any discoloration effects. If discoloration problems persist, try moving the speakers away from your TV or monitor. Note that discoloration can also be caused by a magnet or demagnetizing tool that's too close to your TV or monitor.

### Input Signal Warning

The speakers can handle the specified input power when used for normal music reproduction. If any of the following signals are fed to them, even if the input power is within the specified rating, excessive current may flow in the speaker coils, causing burning or wire breakage:

1. Interstation noise from an untuned FM radio.
2. Sound from fast-forwarding a cassette tape.
3. High-pitched sounds generated by an oscillator, electronic musical instrument, and so on.
4. Amplifier oscillation.
5. Special test tones from audio test CDs and so on.
6. Thumps and clicks caused by connecting or disconnecting audio cables (Always turn off your amplifier before connecting or disconnecting cables.)
7. Microphone feedback.

## Troubleshooting

Symptom	Possible cause	Remedy
<b>There's no sound coming from certain speakers?</b>	The speaker cables are not connected properly.	Check the speaker cables and correct as necessary.
	The speaker configuration is not set correctly.	Check the speaker configuration.
<b>The subwoofer does not turn on?</b>	The power plug is not fully inserted into the wall outlet.	Insert the power plug fully into the wall outlet.
<b>The subwoofer produces no sound?</b>	The OUTPUT LEVEL control is set to minimum.	Turn up the OUTPUT LEVEL control.
	The RCA cable is not properly connected to the subwoofer's LINE INPUT.	Make sure that the RCA cable is properly connected to the subwoofer's LINE INPUT.
	The level of the input signal was too low and the subwoofer entered Standby mode.	Slightly increase the subwoofer pre out output level on your AV receiver.
	The Subwoofer configuration is not set correctly.	Check the subwoofer setting in the speaker configuration on your AV receiver.
<b>The subwoofer produces hardly any sound?</b>	The source material contain little or no bass content.	Choose source material with more bass content.
<b>A humming sound can be heard from the subwoofer?</b>	The RCA cable is not properly connected to the subwoofer's LINE INPUT.	Make sure that the RCA cable is properly connected to the subwoofer's LINE INPUT.
	External interference from a TV or other electronic device is being picked up.	Move the subwoofer and RCA cable away from the interference source. Make sure your audio system is grounded properly.

# Specifications

## ■ Powered Subwoofer (HTP-518: SKW-518)

Type: Bass-reflex  
 Power Supply: AC 230 V/50 Hz  
 Power Consumption: 105 W  
 Input sensitivity/impedance: 140 mV/20 kΩ  
 Maximum output power: 90 W  
 Frequency response: 27 Hz–150 Hz  
 Cabinet capacity: 24.2 L  
 Dimensions (W × H × D): 230 × 425 × 383 mm  
 (incl. projection)  
 Weight: 9.4 kg  
 Drivers unit: 20 cm Cone  
 Other: Auto Standby function

## ■ Powered Subwoofer (SKS-HT518: SKW-501)

Type: Bass-reflex  
 Power supply: AC 220-240 V, 50/60 Hz  
 Power consumption: 105 W  
 Input sensitivity/impedance: 140 mV / 20 kΩ  
 Maximum output power: 90 W  
 Frequency response: 27 Hz–150 Hz  
 Cabinet capacity: 24.5 L  
 Dimensions (W × H × D): 230 × 425 × 412 mm  
 (incl. projection)  
 Weight: 9.1 kg  
 Drivers unit: 20 cm Cone  
 Other: Auto Standby function

## ■ Front Speaker (SKF-518F)

Type: 2 Way Bass-reflex  
 Input sensitivity/impedance: 8 Ω  
 Maximum input power: 130 W  
 Output sound pressure level: 78 dB/W/m  
 Frequency response: 60 Hz–50 kHz  
 Crossover frequency: 4 kHz  
 Cabinet capacity: 1.8 L  
 Dimensions (W × H × D): 101 × 273 × 121 mm  
 (incl. grille and projection)  
 Weight: 1.1 kg  
 Speaker: 8 cm Cone Woofer  
 2.5 cm Balanced Dome  
 (Tweeter)  
 Terminal: Spring type color coded  
 Keyhole slot: 2  
 Threaded insert: 5 mm screw, Depth 8 mm × 1  
 Grille: Fixed  
 Other: Magnetic shielding

## ■ Center Speaker (SKC-518C)

Type: 2 Way Bass-reflex  
 Input sensitivity/impedance: 8 Ω  
 Maximum input power: 130 W  
 Output sound pressure level: 78 dB/W/m  
 Frequency response: 60 Hz–50 kHz  
 Crossover frequency: 4 kHz  
 Cabinet capacity: 1.8 L  
 Dimensions (W × H × D): 273 × 101 × 106 mm  
 (incl. grille and projection)  
 Weight: 1.1 kg  
 Speaker: 8 cm Cone Woofer  
 2.5 cm Balanced Dome  
 (Tweeter)  
 Terminal: Spring type color coded  
 Keyhole slot: 2  
 Threaded insert: 5 mm screw, Depth 8 mm × 1  
 Grille: Fixed  
 Other: Magnetic shielding

## ■ Surround Speaker (SKM-518S)

Type: Full-Range Bass Reflex  
 Impedance: 8 Ω  
 Maximum input power: 130 W  
 Output sound pressure level: 79 dB/W/m  
 Frequency response: 70 Hz–22 kHz  
 Cabinet capacity: 1.1 L  
 Dimensions (W × H × D): 101 × 175 × 116 mm  
 (incl. grille and projection)  
 Weight: 0.7 kg  
 Speaker: 8 cm Cone  
 Terminal: Spring type color coded  
 Keyhole slot: 1  
 Threaded insert: 5 mm screw, Depth 8 mm  
 Grille: Fixed

Specifications and appearance are subject to change without prior notice.



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