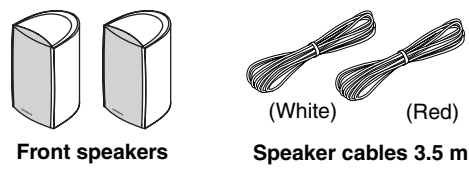


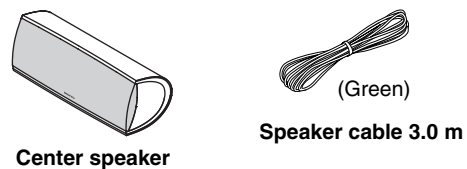
Front speaker (SKF-648)



12 rubber stoppers* (For Front/Surround speakers)

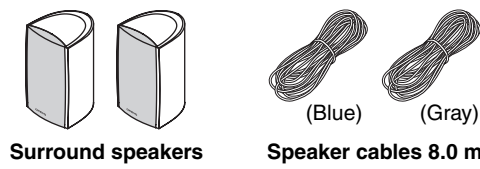
* Configuration of the rubber stoppers may be different from the figure, such as being 2 sheets instead of 1 sheet, but the total number will be same.

Center speaker (SKC-648)

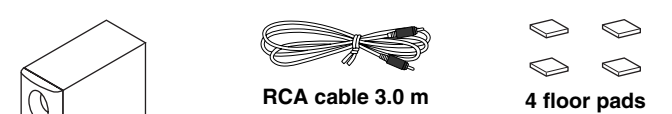


4 rubber stoppers*

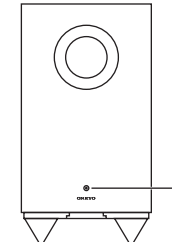
Surround speaker (SKR-648)



Subwoofer (SKW-501E)

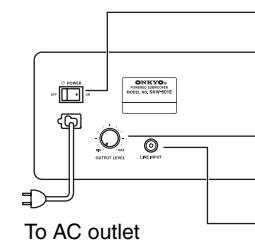


Front



STANDBY/ON indicator
Red: Subwoofer in standby mode
Blue: Subwoofer on
With the Auto Standby function, the SKW-501E automatically turns on when an input signal is detected in Standby mode. When there's no input signal for a while, the SKW-501E automatically enters Standby mode.

Rear



POWER switch
Press this switch to the ON position to turn on the power. Press it to the OFF position to turn off the power.

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

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.
- If the Standby/On indicator lights (both red and blue LEDs) several seconds or minutes after the sound output stopped, this means that the amp protection circuit has been activated. In this case, set the OUTPUT LEVEL control to the center position, and disconnect the power cord from the AC outlet. Wait at least 10 seconds, and then reconnect the power cord. If that doesn't solve the issue, contact your Onkyo dealer.

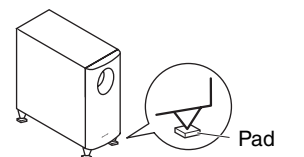
Setting the Subwoofer Level

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.



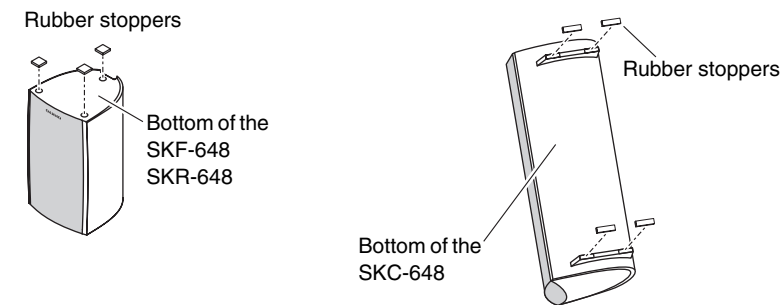
Using the Floor Pads for Subwoofer

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.



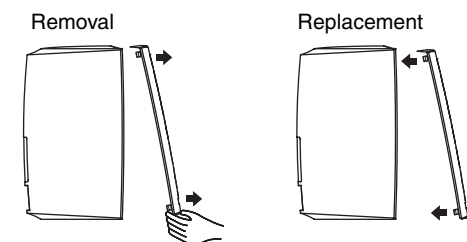
Using the Rubber Stoppers for a More Stable Platform

We recommend using the supplied rubber stoppers to achieve the best possible sound from your speakers. The rubber stoppers prevent the speakers from moving, providing a more stable platform.



Attaching and detaching the speaker grilles

The front, center and surround speakers have detachable grilles. See the right illustrations to attach or detach them.



Enjoying Home Cinema

The Home Cinema 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-648)

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-648)

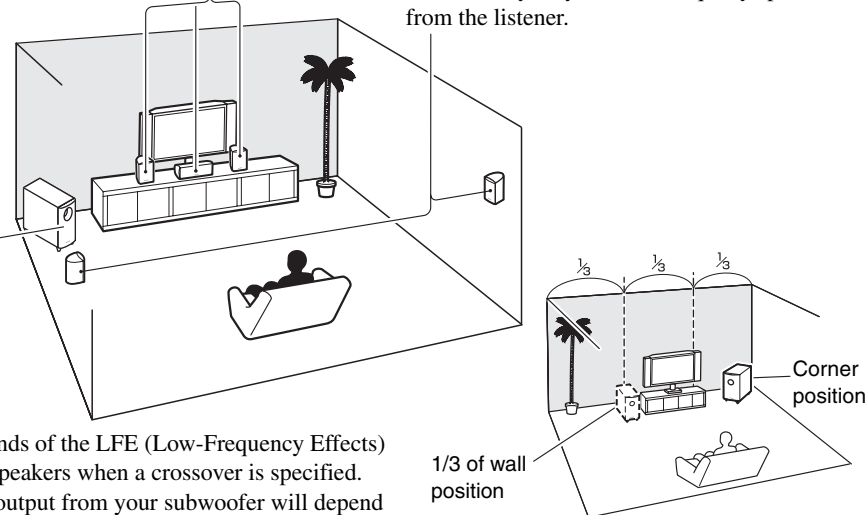
Position it close to your TV (preferably on top) facing forward at about ear level, or at the same height as the front left and right speakers.

Surround left and right speakers (SKR-648)

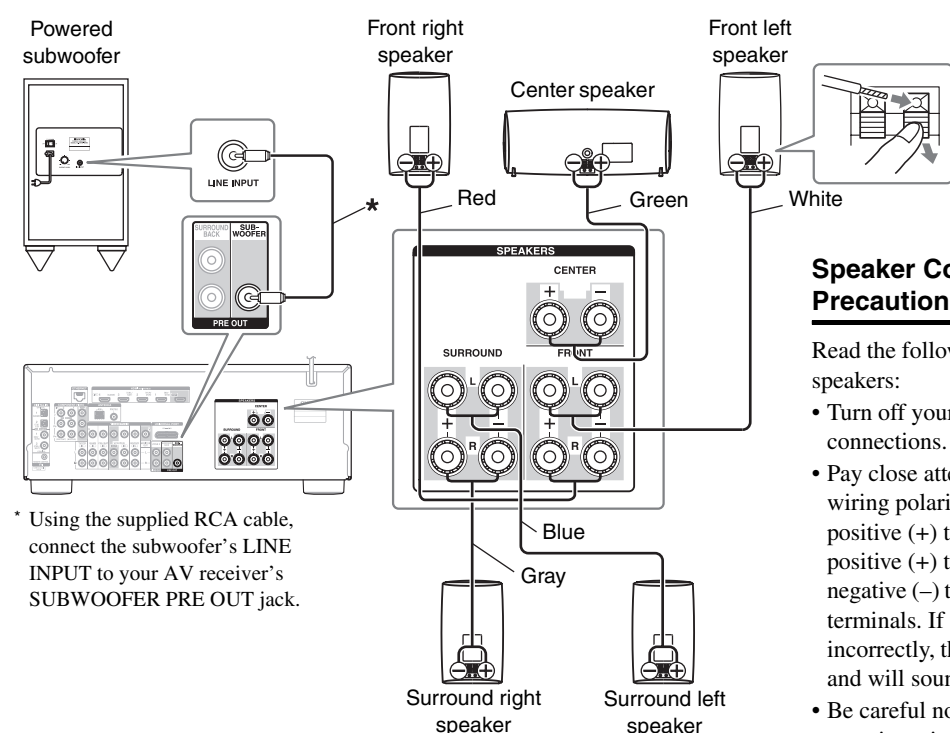
Position them at the sides of the listener, or slightly behind, about 60 to 100 cm above ear level. Ideally they should be equally spaced from the listener.

Subwoofer (SKW-501E)

The subwoofer handles the bass sounds of the LFE (Low-Frequency Effects) channel and bass from the satellite speakers when a crossover is specified. 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.



Connecting the Speakers



Speaker Connection Precautions

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.

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

Specifications

Powered Subwoofer (SKW-501E)

Type	Bass-Reflex
Input sensitivity/impedance	410 mV / 20 kΩ
Rated output Power (IEC)	80 watts minimum continuous power, 4 ohms, driven at 100 Hz with a maximum total harmonic distortion of 1 %
Frequency response	27 Hz to 150 Hz
Cabinet capacity	24.5 L
Dimensions (W × H × D)	230 mm × 425 mm × 412 mm (incl. grille and projection)
Weight	9.1 kg
Drivers unit	20 cm Cone Woofer × 1
Power supply	(HTP-648) AC 230V, 50Hz (SKS-HT648) AC 220-240V, 50/60 Hz
Power consumption	105 W
Other	Auto Standby function Non-magnetic shielding

Front Speakers (SKF-648)

Type	2 Way Closed Box
Impedance	6 Ω
Maximum input power	130 W
Sensitivity	79 dB/W/m
Frequency response	70 Hz to 50 kHz
Crossover frequency	7 kHz
Cabinet capacity	0.9 L
Dimensions (W × H × D)	102 mm × 170 mm × 105 mm (incl. grille and projection)
Weight	1.0 kg
Drivers unit	8 cm Cone Woofer × 1 2.5 cm Balanced Dome Tweeter × 1
Terminal	Spring type color coded
Grille	Detachable
Insert nut	Available
Other	Magnetic shielding

Center Speaker (SKC-648)

Type	2 Way Closed Box
Impedance	6 Ω
Maximum input power	130 W
Sensitivity	82 dB/W/m
Frequency response	70 Hz to 50 kHz
Crossover frequency	7 kHz
Cabinet capacity	1.3 L
Dimensions (W × H × D)	277 mm × 110 mm × 110 mm (incl. grille and projection)
Weight	1.7 kg
Drivers unit	8 cm Cone Woofer × 2 2.5 cm Balanced Dome Tweeter × 1
Terminal	Spring type color coded
Grille	Detachable
Insert nut	Available
Other	Magnetic shielding

Surround Speakers (SKR-648)

Type	Full Range Closed Box
Impedance	6 Ω
Maximum input power	130 W
Sensitivity	80 dB/W/m
Frequency response	80 Hz to 20 kHz
Cabinet capacity	0.9 L
Dimensions (W × H × D)	102 mm × 170 mm × 105 mm (incl. grille and projection)
Weight	0.9 kg
Drivers unit	8 cm Cone × 1
Terminal	Spring type color coded
Grille	Detachable
Insert nut	Available
Other	Magnetic shielding

Specifications and appearance are subject to change without prior notice.

Note

For non-magnetic shielded speakers:

Try moving the speakers away from your TV or monitor. If discoloration should occur, 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.

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