



Home Theater Speaker System

HTP-103E

<i>SKW-150X</i>	Powered Subwoofer
<i>SKF-103F</i>	Front Speaker
<i>SKC-103C</i>	Center Speaker
<i>SKM-103S</i>	Surround Speaker
<i>SKB-103</i>	Surround Back Speaker

Instruction Manual

Thank you for purchasing the Onkyo home theater speaker system.

Please read this manual thoroughly before using it. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new home theater speaker system.

Please retain this manual for future reference.

Contents

Before using

Important Safety Instructions	2
Precautions	3

SKW-150X

Control positions and names	4
Connection	4
Adjustment	4
Precaution on use	5
Troubleshooting	5
Specifications	5

SKF-103F / SKC-103C / SKM-103S / SKB-103

Connection	6
Precaution on use	6
Specifications	7



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

Recording Copyright

Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.

Power

WARNING

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

AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on this unit's rear panel (e.g., AC 230-240 V, 50 Hz).

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.

Never Touch this Unit with Wet Hands

Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo authorized service station.

Care

Occasionally, you should dust this unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth. Do not use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

For British models

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.



IMPORTANT

A 5 ampere fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMPERE SOCKET.

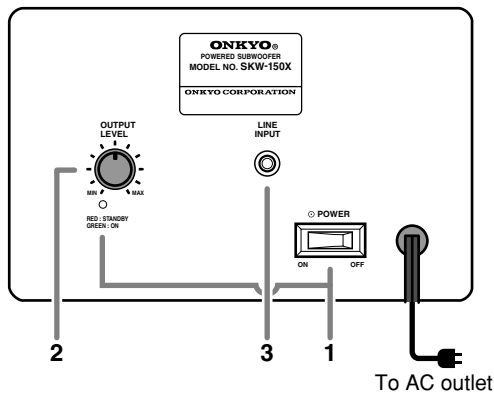
If in any doubt, consult a qualified electrician.

Declaration of Conformity	
We, ONKYO EUROPE ELECTRONICS GmbH LIEGNITZERSTRASSE 6, 82194 GROEBENZELL, GERMANY	
declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3.	
GROEBENZELL, GERMANY	 I. MORI
ONKYO EUROPE ELECTRONICS GmbH	

SKW-150X Powered subwoofer

Control positions and names

■ Rear Panel



1 POWER switch and indicator

To turn on the SKW-150X, set the POWER switch to the ON position (the indicator lights up).

To turn off the SKW-150X, set the POWER switch to the OFF position (the indicator goes out).

Red: The unit is in standby mode

Green: The unit is in operation mode

The SKW-150X automatically turns to STANDBY mode when no signal has been input for about 20 minutes. The SKW-150X automatically enters operation mode when a signal is input during STANDBY mode.

2 OUTPUT LEVEL knob

Use this knob to adjust the output level of the subwoofer.

3 LINE INPUT jack

Connect this jack to the subwoofer pre-out of the receiver.

Note:

The auto standby function operates on the existence or absence of a constant level input signal. If the auto standby function does not operate properly, try slightly increasing (or decreasing) the subwoofer output level of the receiver.

Connection

For safety reasons, be sure to unplug the power cord of this unit and turn the power off for all other system components before connecting or disconnecting any components.

■ Connection to receiver

- Connect the SKW-150X subwoofer to the SUBWOOFER PREOUT jack on your receiver.

■ Power cord

- Make sure that all connections other than the power cord for the system have already been made.
- Turning on the power for the system may cause a very brief current surge that might affect other devices such as a computer, if both products are on the same circuit. Connect those devices to another AC outlet.

Adjustment

■ Output level

- Adjust the SKW-150X output level properly for your listening room and connected speakers.
- Note that you may possibly set the subwoofer at high output levels because super bass-range sound is not as audible as sound in other ranges. To obtain well-balanced frequency characteristics, set the output level to a slightly lower level than seems optimal (this will also prevent the input of overpowering signals).

Note:

The placement of the SKW-150X can greatly affect the sound that is produced. Under normal circumstances, placement in the corner of the room provides the best results.

Precaution on use

■ Placement

- The enclosure is made of wood and therefore sensitive to extreme temperatures and humidity. Avoid placing the unit in locations subjected to direct sunlight or in humid places such as near an air conditioner, humidifier, a bathroom or kitchen. If you do so, damage may occur.
- Keep water and other liquids away from the unit. If water is spilled into the unit, not only the unit but also the connected receiver may be damaged.
- Place the unit on a level and rigid surface free from vibration.
- This unit 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 or CD player, howling or skipping of sound may occur. To prevent this, move the unit away from the turntable or CD player or otherwise lower the unit's output level.

Note:

Abnormal sound can be produced when bass-range signals are excessively boosted by using the receiver's tone controls or a graphic equalizer, or when a source has the bass range abnormally boosted and is played. Rattling occurs when the signal is beyond the driver's reproduction capacity. Although it is not a sign of damage, decrease the speaker output level to prevent damage to the driver.

Troubleshooting

Symptom	Cause	Remedy
The unit does not turn on	<ul style="list-style-type: none">• The power plug is not fully inserted.	<ul style="list-style-type: none">• Insert the power plug fully into the power outlet.
No sound output	<ul style="list-style-type: none">• The OUTPUT LEVEL knob is set to the MIN level.• Pin-connector cable is disconnected at the LINE INPUT jack.• The input signal is so small that the unit entered the standby state.	<ul style="list-style-type: none">• Set the OUTPUT LEVEL knob properly.• Connect the cable to the LINE INPUT jack.• Increase the subwoofer output level of the receiver slightly.
Hum noise	<ul style="list-style-type: none">• Pin-connector is not inserted completely.• External leakage flux (induction noise by TV, etc.) occurs.	<ul style="list-style-type: none">• Fully insert the pin-connector.• Set the unit away from the noise source.

Specifications

Type	Bass-reflex with built-in power amplifier
Frequency response	30 Hz-150 Hz
Output power	150 W Dynamic
Input sensitivity	220 mV
Input impedance	15 kΩ
Woofer	200 mm cone type
Power supply	AC 230-240 V, 50 Hz
Power consumption	77 W
Dimensions (W×H×D)	235 × 518 × 411 mm
Weight	12.6 kg

Specifications and appearance are subject to change for improvement without prior notice.

SKF-103F / SKC-103C / SKM-103S / SKB-103 Speaker system

Connection

- Be sure to turn off your receiver before connecting the speaker system. Connecting it while the receiver is on may result in damage to the receiver or the speaker system.
- The speaker cables and speaker terminals are color-coded to facilitate connection. Connect each cable to the matching-colored terminal.
- Be sure to connect the speaker's positive (+) and negative (-) input terminals with the receiver's corresponding positive and negative speaker terminals. Otherwise, undesirable sound field or impaired bass-range reproduction will result.
- Before turning on the receiver's power switch, pull lightly on the speaker cables to ensure that they are connected securely.

Precaution on use

This speaker system can handle the specified input power when it is used for ordinary music reproduction. If the following abnormal signals are fed to the speaker, however, an overcurrent may flow in the internal circuits, causing burning or breakage of the wires even if the input power is below the specified rating.

1. Noise produced when FM station is not tuned in
2. Sound produced when fast-forwarding cassette tape deck
3. High-frequency sound generated by an oscillator, an electronic musical instrument, etc.
4. Oscillating receiver signals
5. Special test signals produced by audio checking CD, etc.
6. Sound produced when connecting or disconnecting audio connection cables (always turn off the receiver's power before connecting or disconnecting cables).
7. Howling when a microphone is used

■ Placement

SKF-103F Front speakers

Place the front speakers in similar places to the right and left of the listening area. Angle the speakers towards the listener to enhance the stereo effect. If they are placed in extremely different positions, left and right channel balance will be adversely affected.

SKC-103C Center speaker

Place the SKC-103C as close as possible to your television set, for example, above or below the television set. Tilt the speaker upward or downward so that it is directly facing the listener.

Be sure to set the SKC-103C firmly on the television set or other equipment so that it cannot slip and fall. This is especially important if you have small children.

SKM-103S Surround speakers

Place the surround speakers 1 m above the listener's ear level, either directly to the side of the listening area or else slightly behind the listening area. Adjust the angles so that these speakers are facing directly towards the listeners.

If the speakers are to be wall-mounted, make sure that the walls are strong enough to support the speaker's weight. The weight that mounting screws can support varies greatly depending on the wall material and the position of the wall studs. Use the thickest and longest possible mounting screws with mounting screw head diameters less than 6.3 mm and shank diameters less than 3.5 mm (please consult with your interior designer or contractor).

SKB-103 Surround back speaker

Place the surround back speaker 1 m above the listener's ear level and just at the back of the listener. Adjust the angle so that this speaker is facing directly towards the listeners.

If the speaker is to be wall-mounted, make sure that the wall is strong enough to support the speaker's weight. The weight that mounting screws can support varies greatly depending on the wall material and the position of the wall studs. Use the thickest and longest possible mounting screws with mounting screw head diameters less than 6.3 mm and shank diameters less than 3.5 mm (please consult with your interior designer or contractor).

■ Use with a TV set

In general, Braun tubes used for color television sets are extremely sensitive and can be affected even by the magnetism of the earth. If a speaker system is used near them, discoloration or distortion of pictures will occur. To allow use with color television sets, etc., the SKF-103F Front speakers and SKC-103C Center speaker are provided with magnetic shielding. Even so, discoloration may still occur, depending on the installation environment. If discoloration occurs, turn off the television set, wait 15 to 30 minutes, and then turn it on again. This activates the self-demagnetizing function of the television set.

If discoloration persists even after performing this remedy, move the speaker further from the television set. Discoloration may also occur when a magnet or other magnetized object is near the television because of the combined effect.

Specifications

Model	SKF-103F
Type	2 way Bass-reflex front speaker
Impedance	6 Ω
Maximum input power	100 W
Output sound pressure level	83 dB/W/m
Frequency response	60 Hz-90 kHz
Woofers	100 mm cone type
Tweeter	25 mm balanced dome type
Dimensions (W×H×D)	125 × 217 × 175 mm
Weight	1.7 kg
Others	Magnetic shielding

Model	SKC-103C
Type	2 way Bass-reflex center speaker
Impedance	6 Ω
Maximum input power	100 W
Output sound pressure level	85 dB/W/m
Frequency response	60 Hz-90 kHz
Woofers	100 mm cone type × 2
Tweeter	25 mm balanced dome type
Dimensions (W×H×D)	325 × 125 × 175 mm
Weight	2.6 kg
Others	Magnetic shielding

Model	SKM-103S
Type	2 way Bass-reflex surround speaker
Impedance	6 Ω
Maximum input power	100 W
Output sound pressure level	82 dB/W/m
Frequency response	60 Hz-35 kHz
Woofers	100 mm cone type
Tweeter	25 mm balanced dome type
Dimensions (W×H×D)	125 × 217 × 175 mm
Weight	1.5 kg

Model	SKB-103
Type	2 way Bass-reflex surround speaker
Impedance	6 Ω
Maximum input power	100 W
Output sound pressure level	82 dB/W/m
Frequency response	60 Hz-35 kHz
Woofers	100 mm cone type
Tweeter	25 mm balanced dome type
Dimensions (W×H×D)	125 × 217 × 175 mm
Weight	1.5 kg

Specifications and appearance are subject to change for improvement without prior notice.

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SN 29343588

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