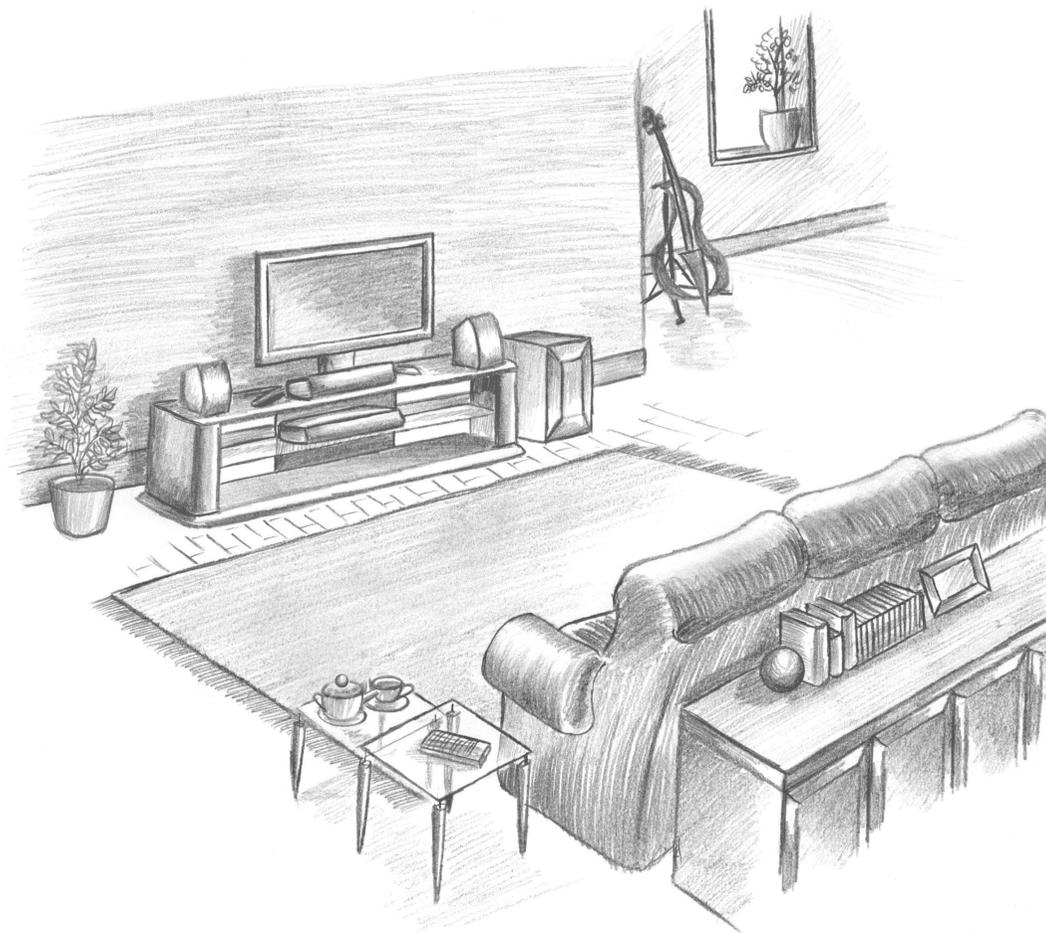


SATELLITE SPEAKERS / CENTER SPEAKER / SUBWOOFER

NX-P150

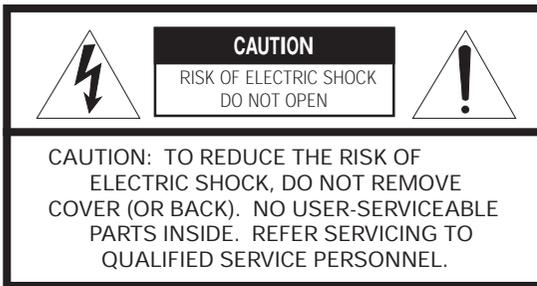
(NX-S150 + NX-C150 + NX-SW150)

CinemaStation

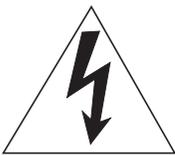


OWNER'S MANUAL

IMPORTANT SAFETY INSTRUCTIONS



* Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you 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 you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- 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.
- 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 Be sure to allow spaces of at least 20 cm above, behind and on both sides of NX-SW150.
- 16 Do not place the following objects on this unit:
A vessel with water in it.
If the vessel falls by vibrations and water spills, it may cause damage to the unit, and/or you may get an electric shock.



FCC INFORMATION (for US customers)

1. IMPORTANT NOTICE : DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by YAMAHA may void your authority, granted by the FCC, to use the product.

2. IMPORTANT :

When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE :

This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices.

This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact YAMAHA Electronics Corp., U.S.A. 6660 Orangethorpe Ave, Buena Park, CA 90620.

The above statements apply **ONLY** to those products distributed by YAMAHA Corporation of America or its subsidiaries.

We Want You Listening For A Lifetime

YAMAHA and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.

Since hearing damage from loud sounds is often undetectable until it is too late, YAMAHA and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.



CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

- 1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- 2 Install the speakers in a cool, dry, clean place – away from windows, sources of heat, sources of excessive vibration, dust, moisture or cold. Avoid sources of electrical humming (e.g., transformers and motors). To prevent fire or electric shock, do not expose the speakers to rain or water.
- 3 To prevent the enclosure from warping or discoloring, do not expose the speakers to direct sunlight or excessive humidity.
- 4 Avoid installing the speakers where foreign objects may fall onto them and/or where they may be exposed to liquid dripping or splashing.
- 5 Do not place the following objects on top of the speakers:
 - Other components, as they might damage or discolor the surface of the speakers;
 - Burning objects (e.g., candles), as they might cause fire, damage to the speakers or personal injury;
 - Containers of liquid, as they might spill and cause electric shock to the user or damage to the speakers.
- 6 Do not place the speakers where they are liable to be knocked over or struck by falling objects. Stable placement will also ensure better sound.
- 7 Placing the speakers on the same shelf or rack as the turntable can result in feedback.
- 8 Secure placement or installation is the owner's responsibility. YAMAHA is not liable for accidents caused by improper placement or installation of speakers.
- 9 If you note distortion, reduce the volume control on your amplifier. Do not drive your amplifier to the point of "clipping". Otherwise, the speakers may be damaged.
- 10 When using an amplifier with a rated output power higher than the nominal input power of the speakers, care should be taken not to exceed the speakers' maximum input.
- 11 Do not clean the speakers with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- 12 Do not attempt to modify or fix the speakers. Contact qualified YAMAHA service personnel when service is needed. Do not open the cabinet under any circumstances.
- 13 Please read the "Troubleshooting" section regarding common operating errors before concluding that the speakers are faulty.
- 6 Do not plug this unit into a wall outlet until all connections are complete.
- 7 The voltage to be used must match that specified on the rear panel. Using this unit with a voltage higher than specified is dangerous and may cause fire, damage to the unit, or personal injury. YAMAHA is not responsible for damage resulting from use of this unit with a voltage other than specified.
- 8 To prevent damage from lightning, disconnect the AC power plug during electric storms.
- 9 Super-bass frequencies reproduced by this unit may cause a turntable to generate audio feedback. In this case, move the unit away from the turntable.
- 10 This unit may be damaged if certain sounds are continuously output at high volume level. For example, if 20Hz–50Hz sine waves from a test disc or bass sounds from an electronic instrument, etc. are continuously output, or if a turntable stylus touches the surface of a disc, reduce the volume level to prevent the unit from being damaged.
- 11 If you hear distorted noise (i.e., unnatural, intermittent "rapping" or "hammering" sounds) from this unit, reduce the volume level. Extremely loud movie soundtrack low frequency, bass-heavy sounds, or similarly loud popular music passages can damage the speaker system.
- 12 Vibration generated by super-bass frequencies may distort images on a TV. In this case, move the unit away from the TV set.
- 13 When disconnecting the power cord from the wall outlet, grasp the plug; do not pull the cord.
- 14 When you plan not to use this unit for a long period of time (i.e., vacation, etc.) disconnect the AC power plug from the wall outlet.
- 15 Do not place much pressure against the subwoofer net. It may break the net or the unit may fall, resulting in injury.
- 16 Do not place anything fragile beside the subwoofer. The air pressure produced by the subwoofer may break the objects and cause malfunction or injury.

For the NX-SW150

- 1 Do not operate this unit upside down. It may overheat, possibly causing damage.
- 2 Do not use excessive force on switches, controls or connection wires. When moving this unit, first disconnect the power plug and the wires connected to other equipment. Never pull the wires themselves.
- 3 Since this unit has a built-in power amplifier, heat radiates from the rear panel. Place the unit away from walls, allowing at least 20 cm of space above, behind and on both sides of the unit to prevent fire or damage. Furthermore, do not position the unit with the rear panel facing down on the floor or other surfaces.
- 4 When using a humidifier, be sure to avoid condensation inside this unit by allowing enough space around the unit and avoiding excess humidification. Condensation might cause fire, damage to the unit, or electric shock.
- 5 Do not cover the rear panel of this unit with a newspaper, tablecloth, curtain, etc. to avoid obstructing heat radiation. If the temperature inside the unit rises, it may cause fire, damage to the unit, or personal injury.

FOR CANADIAN CUSTOMERS

To prevent electric shock, match wide blade of plug to wide slot and fully insert.
This Class B digital apparatus complies with Canadian ICES-003.

WARNING

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

IMPORTANT

Please record the serial number of this unit in the space below.

MODEL:

Serial No.:

The serial number is located on the rear or the bottom of this unit.

Retain this Owner's Manual in a safe place for future reference.

■ For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

■ Special Instructions for U.K. Model

IMPORTANT

THE WIRES IN 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.

Making sure that neither core is connected to the earth terminal of the three pin plug.

Table of Contents

Introduction	2
About this manual	2
Package Contents	2
Roles and Layout of Speakers	3
Placing the Speakers	3
Placing the center speaker	3
Placing the subwoofer	4
Placing the Front and Surround Speakers	4
Connecting the Speakers	6
Troubleshooting	7
Specifications	back cover

This product is a speaker package consisting of the components shown on the table.

Please check to make sure that all of the components listed in the table are included.

Model name		Category	No. of pcs
NX-P150	NX-S150	Satellite speakers (for front/surround)	4
	NX-C150	Center speaker	1
	NX-SW150	Subwoofer	1



Active Servo Processing Subwoofer System with built-in power amplifier.

This subwoofer system (NX-SW150) employs Advanced YAMAHA Active Servo Technology which YAMAHA has developed for reproducing higher quality super-bass sound. This super-bass sound adds a more realistic, theater-in-the-home effect to your stereo system.

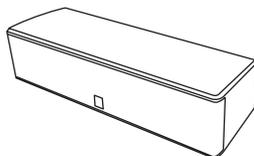
Introduction

“NX-P150” consists of four satellite speakers (front/surround), a center speaker, and a subwoofer. Please take great pleasure in real sounds with the YAMAHA 5.1ch speaker system “NX-P150”.

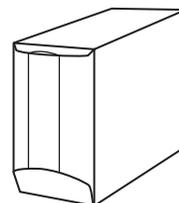
Satellite speakers (front/surround)
NX-S150 (4 units)



Center speaker
NX-C150 (1 unit)



Subwoofer
NX-SW150 (1 unit)



About this manual

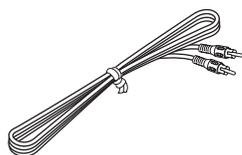
- This manual provides only information on installation methods or specifications for the speakers. For information about how to connect the speakers to your YAMAHA CinemaStation, refer to the manual for CinemaStation.
- This manual was printed before final product development. Due to operational upgrades and other reasons, the specifications of the actual product or packaging may differ from the contents of this manual.

Package Contents

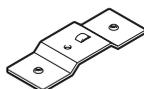
This product includes the following items. Before installing the speakers, make sure all of the items are in the box.

Cables and installation parts

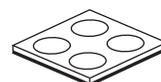
Subwoofer cable
(1 pin, 5 m, 1 unit)



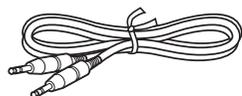
Mounting brackets
(for front/surround speakers, 4 units)



Non-skid pads
(for subwoofer,
1 set: 4 units)



System control cable
(5 m, 1 unit)



Screws (M4 × 10)
(for front/surround speakers, 4 units)



Non-skid pads
(for front/surround speakers,
2 sets: 16 units)

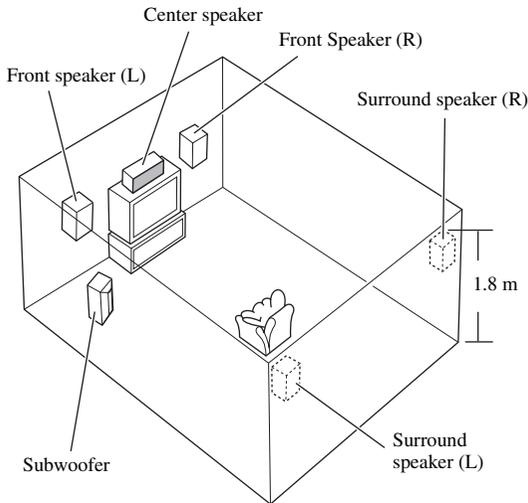


Fasteners
(for center speaker, 2 units)



Roles and Layout of Speakers

Each speaker has different roles based on the types of sound each produces. This section explains the main role/s of each speaker and the recommended speaker layout.



Center Speaker

Place on top of the TV or inside the TV rack so that the speaker and TV are aligned vertically.

Main role: Produces sounds oriented toward the center of the screen such as dialogues or vocal sounds.

Front Speakers (L, R)

Place the front left/right speakers on both sides of your TV at equal distances.

Main roles: Produces front channel (stereo) sounds and effect sounds.

Surround Speakers (L, R)

Place the surround left/right speakers behind the listening position. (We recommend placing them at a height of 1.8 m (6 feet) and pointing them at the listening position.)

Main roles: Produces surround sounds and effect sounds.

Subwoofer

Place the subwoofer near a front speaker and turn it slightly toward the center of the room to reduce wall reflections.

Main roles: Produces bass sounds and low frequency (LFE) sounds contained in Dolby Digital or DTS.

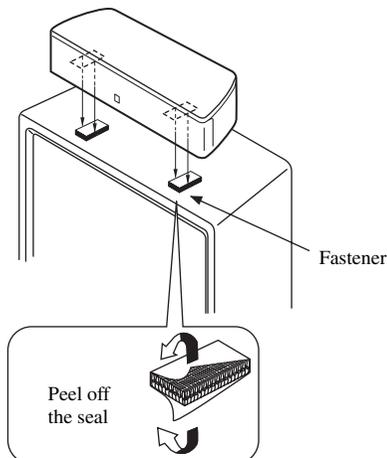
Notes

- If the speakers interfere with TV reception, noises may appear on the TV screen. In such a case, move the speakers a little away from the TV.
- Bass sounds produced by the subwoofer may be heard differently depending on the listening position and subwoofer location. To enjoy desired sounds, try to change the location of the subwoofer according to the listening position.

Placing the Speakers

To enjoy quality sounds thoroughly, you need to place the speakers in their appropriate positions and install them correctly. After deciding the speaker layout (see “Roles and Layout of Speakers” above), follow the procedure below to install the speakers.

Placing the center speaker

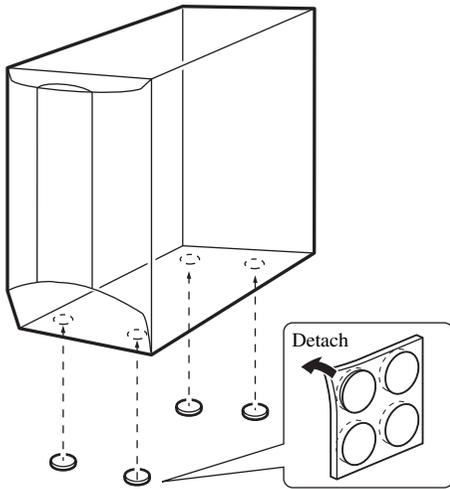


When placing the center speaker on top of the TV, use the supplied fasteners to secure the speaker.

Notes

- Do not place the speaker on the TV if the top of the TV is not level or if it is narrower than the bottom surface of the speaker. Doing so may cause the speaker to fall. In this case, place the speaker inside a TV rack or on a level floor.
- Before attaching the fasteners to the TV, clean the surface with a dry cloth. A dirty or wet surface may weaken the adhesive force and cause the speaker to fall.
- Do not touch the bonding surfaces of the fasteners after peeling off the seals. Doing so may weaken the adhesive force and cause the speaker to fall.

Placing the subwoofer



Attach the non-skid pads to the bottom of the subwoofer, and then place the subwoofer on a level hard floor.



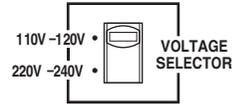
Using non-skid pads prevents the subwoofer from sliding when it vibrates, and ensures quality sound production.

NX-SW150

VOLTAGE SELECTOR

(China, Korea, Asia and General models only)

The VOLTAGE SELECTOR on the rear panel of this unit must be set for your local main voltage BEFORE plugging into the AC main supply.

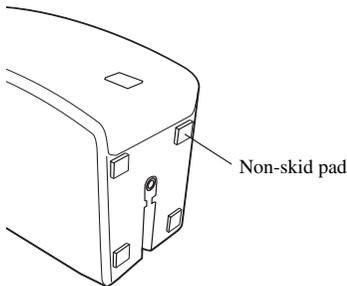


Voltages are 110 V – 120 V, 220 V – 240 V AC, 50/60 Hz.

Placing the Front and Surround Speakers

You can place the front and surround speakers on the floor or a rack, or attach them to a wall. Also, you can mount them on YAMAHA speaker stands “SPS-80” or commercially available speaker stands. Please select an installation method that suits your room layout.

To place on the floor or a rack

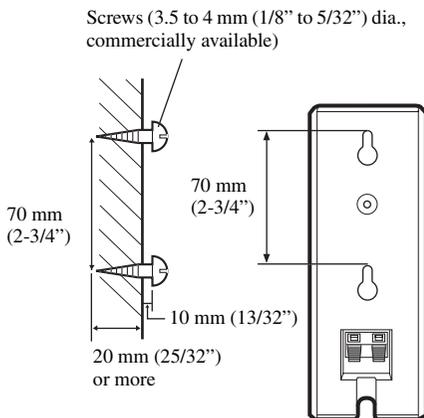


Attach the non-skid pads to the bottom of each speaker, and then place them on level hard surfaces.



Using non-skid pads prevents the speakers from sliding when they vibrate, and ensures quality sound production.

To attach to a wall



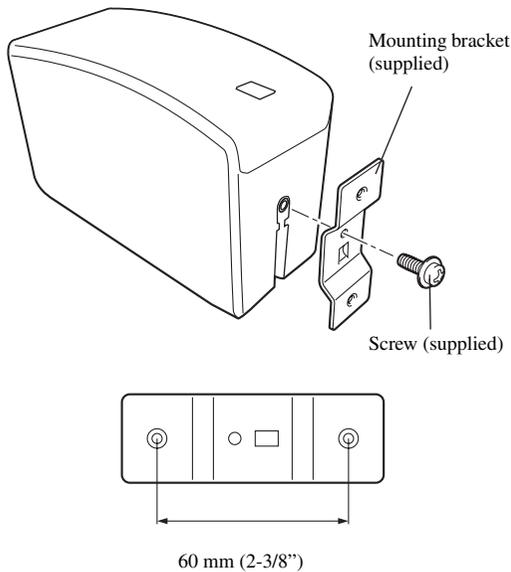
You can attach the speakers to a wall using commercially available screws (Diameter: 3.5 to 4 mm (1/8” to 5/32”), Length: 20 mm (25/32”) or more). One speaker requires two screws. To attach all speakers to a wall, you need to prepare eight screws.

1 Install two screws in the wall where you want to place the speaker.

2 Hang the speaker on the screws using the holes in the back of the speaker.

Notes

- One speaker weighs about 0.9 kg (2 lbs). To attach a speaker to a wall using screws, the wall must be firm. Do not attach a speaker to a wall that is made of weak materials such as plaster or veneered woods. Doing so may cause the speaker to fall.
- Make sure you use specified screws to attach a speaker to a wall. Using clamps other than specified screws, such as short screws, nails, or two-sided tape, may cause the speaker to fall.
- When connecting the speakers, fix the speaker cables in place so that cables do not loosen. If your foot or hand accidentally gets caught on a loose speaker cable, the speaker may fall.
- After attaching each speaker, check that the speaker is fixed securely. YAMAHA will bear no responsibility for any accidents caused by improper installations.

To mount on a speaker stand

You can mount the speakers on YAMAHA speaker stands “SPS-80” (set of two, optional) or commercially available speaker stands. When using commercially available speaker stands, follow the procedure below to attach the supplied mounting bracket to the speaker. When using YAMAHA speaker stands “SPS-80”, you do not need the following procedure.

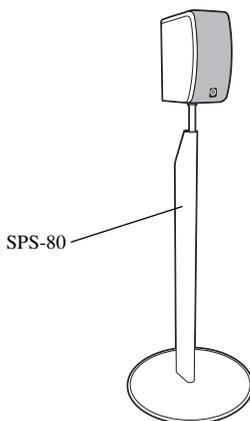
For information on how to mount a speaker on the speaker stand, refer to the manual for the speaker stand you want to use.

1 Attach the mounting bracket to the speaker using the supplied screw.

The jutting part of the bracket should fit to the groove at the speaker base.

2 Mount the speaker on the speaker stand using the holes on the mounting bracket.

To mount a speaker on a commercially available speaker stand, you need two screws (Diameter: 4 mm (5/32")), spring washers, and washers. For more information, refer to the manual for the speaker stand you want to use.

YAMAHA speaker stand “SPS-80” (set of two, optional)

To mount a speaker on the YAMAHA speaker stand “SPS-80”, refer to manual for the speaker stand.

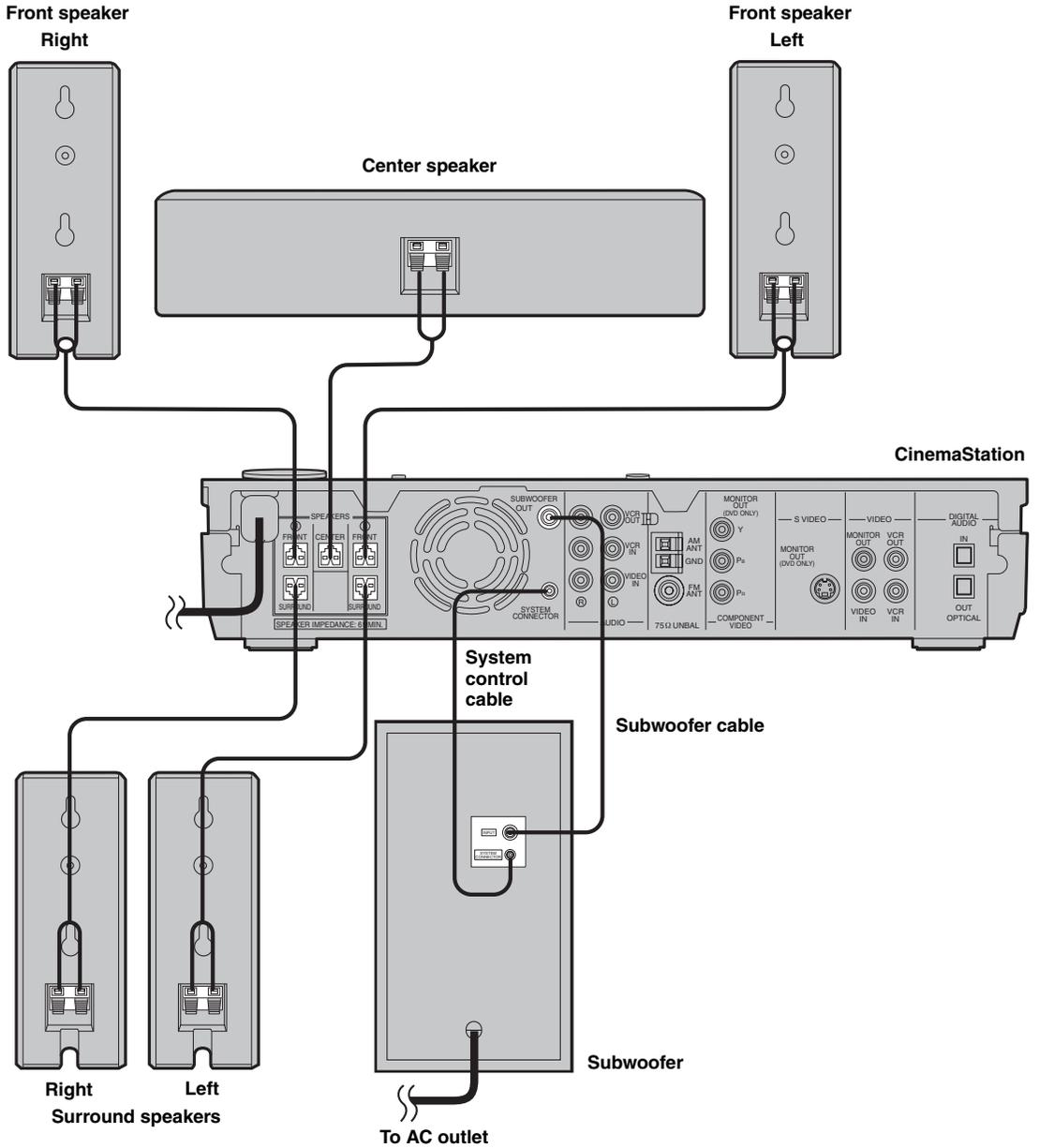
* This product may not be available in certain regions.

For information, contact the store where you purchased the product or your nearest YAMAHA dealer.

Connecting the Speakers

Notes

- Do not connect the power cord of the subwoofer and other audio/video components into an AC outlet until all cable connections are completed.
- For details on how to connect to the CinemaStation, refer to the owner's manual of CinemaStation.



Troubleshooting

If there is any problem with your speakers, check the following items. If you cannot solve your problem with the following remedies or if your problem is not listed below, contact the store where you purchased the product or your nearest YAMAHA dealer and ask for assistance.

Problem	Cause	What to do
The speakers make no sound	The volume is set to minimum level.	Adjust the volume on the A/V equipment connected to the speakers.
	The mute function is enabled.	Disable the mute function on the A/V equipment connected to the speakers.
	The input setting is improper.	Select the proper input setting on the A/V equipment connected to the speakers.
	The cables are not connected properly.	Check the cable connections in your system. For details, refer to “Connecting the Speakers” (page 6).
A particular speaker makes no sound	Since each speaker has different roles based on the types of sound each produces, some speakers do not produce sound in some cases.	For details, refer to “Roles and Layout of Speakers” (page 3).
	Depending on the speaker settings or the playback modes used on the A/V equipment connected to the speakers, some speakers do not make sounds in some cases.	For details, refer to the manual for the A/V equipment.
	The volume for the speaker is set to minimum level.	Adjust the volume on the A/V equipment connected to the speaker.
	The cable is connected improperly.	Check the cable connection between the speaker and the A/V equipment.
The subwoofer makes strange sounds	The subwoofer is not placed properly.	For details, refer to “Roles and Layout of Speakers” (page 3).
	The subwoofer cable is connected improperly.	Check the cable connection between the subwoofer and the A/V equipment.
Sound level is too low	You are playing a sound source that includes inadequate bass frequencies.	Play a sound source that includes more bass frequencies.

Specifications

Satellite speaker (front/surround)

Model name NX-S150

- Type..... Full range acoustic suspension magnetic shielding type
- Driver5 cm (2") full range cone x 2, magnetic shielding type
- Rated Input Power 30 W
- Maximum Input Power..... 100 W
- Impedance 6 Ω
- Frequency Response.....100 Hz – 25 kHz (–10 dB)
- Sensitivity..... 86 dB/2.83 Vm
- Dimensions (W x H x D)..... 72 x 170 x 108 mm
(Approx. 2 27/32" x 6 11/16" x 4 1/4")
- Weight 0.9 kg
(Approx. 2 lbs)

Center speaker

Model name NX-C150

- Type..... Full range acoustic suspension magnetic shielding type
- Driver5 cm (2") full range cone x 2, magnetic shielding type
- Rated Input Power 30 W
- Maximum Input Power..... 100 W
- Impedance 6 Ω
- Frequency Response.....100 Hz – 25 kHz (–10 dB)
- Sensitivity..... 86 dB/2.83 Vm
- Dimensions (W x H x D)..... 300 x 72 x 105 mm
(Approx. 11 13/16" x 2 27/32" x 4 1/8")
- Weight 1.1 kg
(Approx. 2 lbs 6 oz)

Subwoofer

Model name NX-SW150

- Type Advanced YAMAHA Active Servo Technology System
- Driver16 cm (6 1/2") cone, magnetic shielding type
- Output Power50 W (100 Hz, 5 Ω at THD = 10%)
- Frequency Response 30 Hz – 200 Hz
- Power Supply
U.S.A. and Canada models AC 120 V, 60 Hz
Australia model AC 240 V, 50 Hz
U.K. and Europe models AC 230 V, 50 Hz
Asia, China, Korea and General models
..... AC 110-120/220-240 V, 50/60 Hz
- Power Consumption..... 40 W
- Dimensions (W x H x D) 200 x 365 x 390 mm
(Approx. 7 7/8" x 14 3/8" x 15 11/32")
- Weight..... 8.4 kg
(Approx. 18 lbs 8 oz)

General

- Operating Temperature range
..... +5°C to +35°C (41°F to 95°F)
- Operating Humidity Range
..... 5 to 90% (No Condensation)

Specifications are subject to change without notice.



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