



YAMAHA NS-100

GT

OWNER'S MANUAL

Speaker System

Thank you for selecting this YAMAHA NS-100 speaker system.

PRECAUTIONS

Read these precautions carefully before using your speaker.

- Any time you note distortion, reduce the volume control on your amplifier to a lower setting. Never allow your amplifier to be driven into "clipping". Otherwise the speaker may be damaged.
- When using an amplifier with a rated output power higher than the nominal input power of the speaker, care should be taken never to exceed the speaker's maximum input.
- Do not attempt to clean the speaker with chemical solvents as this might damage the finish. To clean, wipe with a dry, soft cloth.

- To prevent the enclosure from warping or discoloring, do not place the speaker where it will be exposed to direct sunlight or excessive humidity.
- Do not place the speaker where it is liable to be knocked over or struck by falling objects. Stable placement will also ensure better sound performance.
- Placing the speakers on the same shelf or rack as the turntable can result in feedback.
- Secure placement or installation is the owner's responsibility. YAMAHA shall not be liable for any accident caused by improper placement or installation of the speaker.

PLACING THE SPEAKERS

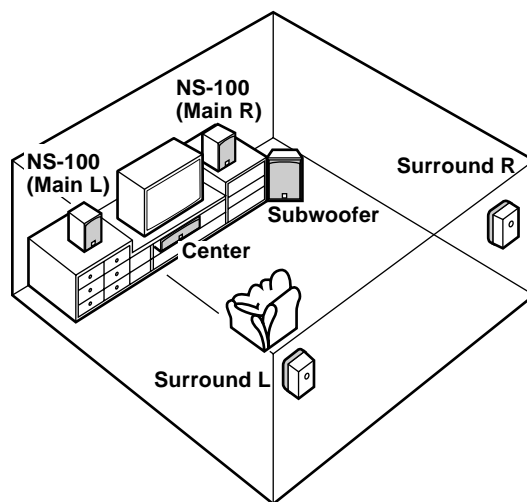
Place the speakers on a sturdy, vibration-free surface, on a well-built stand.

■ Using as 2ch stereo speakers

Better stereo images will be obtained when the speakers are slightly angled in towards the listeners.

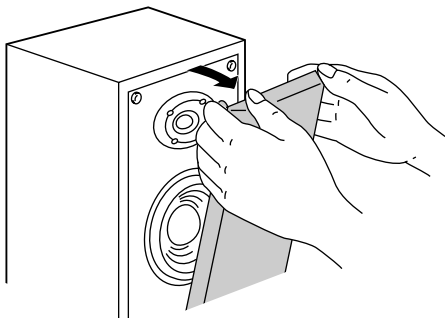
■ Using as main speakers in a multi channel system

Position the speakers on both sides of the TV. The positioning of speakers is important, because it controls the whole sound quality of a multi channel system. Set up the speakers on the basis of your listening position by following the owner's manual supplied with your amplifier.



REMOVING THE FRONT COVER

The front cover is fastened to the enclosure at four points, and can be removed if desired. To remove the cover, hold on to both sides and slowly pull straight away from the speaker. To reattach, line up the four pegs on the inside surface of the cover with the four corresponding holes on the speaker and push gently.



Note

When the cover is removed, take care not to touch the speaker units with your hands or to exert excessive force with tools.

SPECIFICATIONS

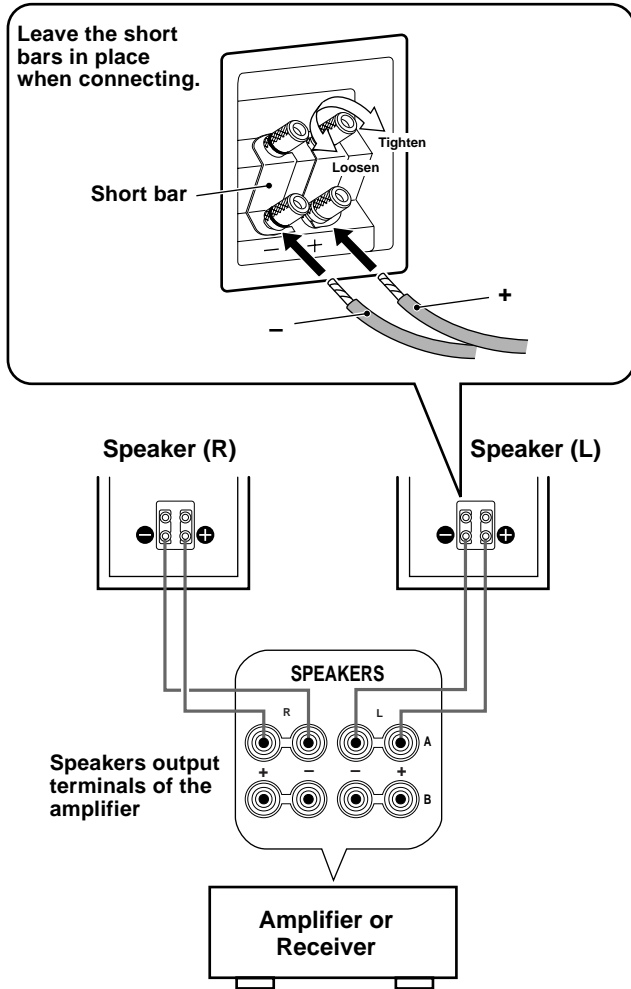
Type	2-way 2-speaker bass reflex speaker system (Magnetically-shielded type)
Speaker Unit	16 cm (6.5") cone woofer 3 cm (1") dome tweeter
Nominal Impedance	6 ohms
Frequency Response	38 Hz – 35 kHz
Nominal Input Power	100 W
Maximum Input Power	300 W
Sensitivity	90 dB/2.83 V/m
Crossover Frequency	3 kHz
Dimensions (WxHxD)	212 x 416 x 270 mm (8.3" x 16.4" x 10.6")
Weight	8.6 kg (19.0 lbs.)

- Specifications subject to change without notice due to product improvements.
- Care should be taken not to exceed the input power values noted above.

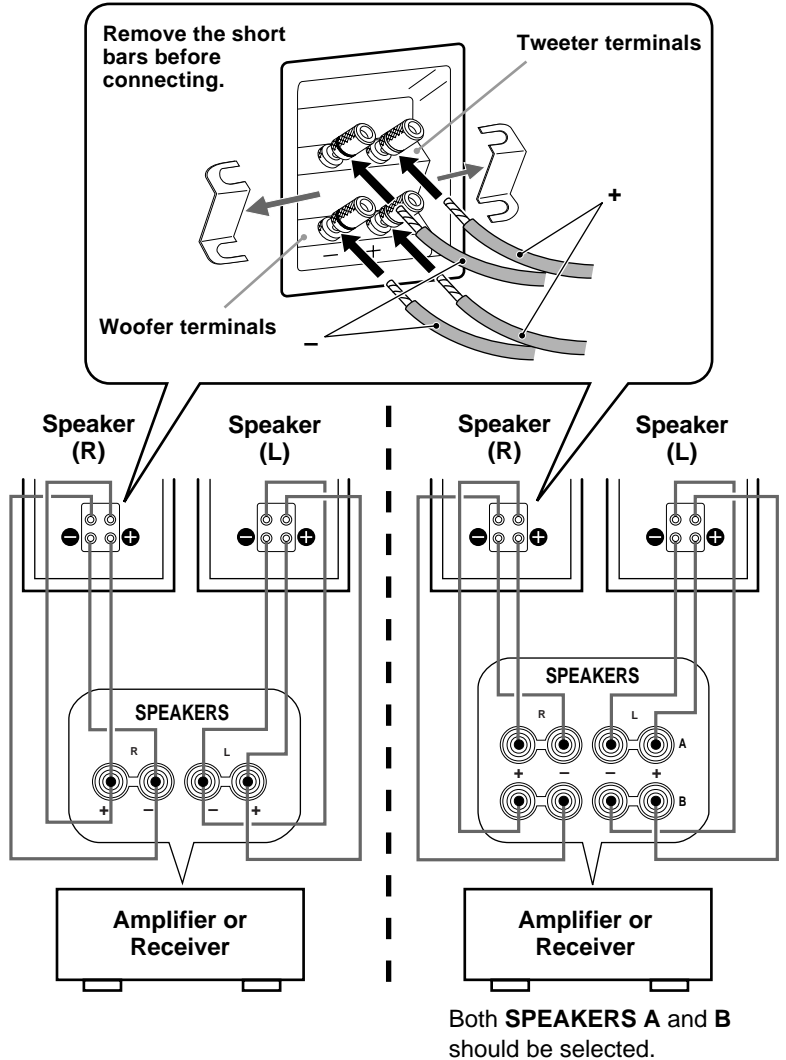
CONNECTIONS TO YOUR AMPLIFIER

This speaker system is capable of standard connections and bi-wiring connections. Before making connections, make sure that the amplifier is switched off.

<Standard Connections>



<Bi-Wiring Connections>



■ Connections

- Connect the screw-type input terminals at the rear of the speakers to the speaker output terminals of your amplifier with the speaker cables.
- Connect the (+) terminals on both the amplifier and the speakers using one side of the cable. Connect the (-) terminals on both components using the other side of the cable.
- Connect one speaker to the left (marked L) terminals of your amplifier, and another speaker to the right (marked R) terminals, making sure not to reverse the polarity (+, -). If one speaker is connected with reversed polarity, the sound will be unnatural and lack bass.

Procedure:

- ① Loosen the terminal knob.
- ② Remove approx. 10 mm (3/8") insulation from the speaker cable and insert the bare wire end properly into the terminal hole.
- ③ Tighten the knob.
- ④ Test the security of the connection by tugging lightly on the cable at the terminal.

Note

Do not let the bare speaker wires touch each other as this could damage the speaker and/or the amplifier.

Bi-Wiring Connections

This speaker system is capable of bi-wiring connections. To connect the speakers to the output terminals of the amplifier, two pairs of cables for each of woofer and tweeter are used instead of standard connections. This type of connection decreases the modulation distortion caused by electric resistance of the cables and driving current of the speakers. Consequently, purer sound quality can be expected.

To utilize bi-wiring connections, remove the short bars from the terminals first, and then connect the woofer and tweeter to the amplifier separately using two pairs of cables.

Note

For bi-wiring connections, use the same type of cable for both the woofer and tweeter, making sure to match the polarity.