



YAMAHA NS-45E

SPEAKER SYSTEM

Thank you for selecting this Yamaha speaker system.

PRECAUTIONS

Read these precautions carefully before using your speakers.

- Any time you notice distortion, reduce the volume of your amplifier. Never allow your amplifier to be driven into "clipping". Otherwise the speakers may be damaged.
- When using an amplifier with a rated output power higher than the nominal input power of the speakers, care should be taken never to exceed the speakers' maximum input.
- Do not attempt to clean the cabinets with chemical solvents as this might damage the finish. Use a dry, soft cloth.
- To prevent the cabinets from warping or discoloring, do not place the speakers where they will be exposed to direct sunlight or excessive humidity.

- 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 performance.
- Do not place the speakers on the same shelf or rack as the turntable. The vibration of the speakers might cause the 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 speakers.

PRECAUTIONS WHEN POSITIONING THE SPEAKERS

The speaker is constructed with the majority of the weight located in its upper portion, and is thus susceptible to falling over if proper care is not taken to insure its stability. If the speaker falls over, it may damage the speaker or be the cause of injury (or even death) to persons and/or damage to personal property.



For safe and proper use of the speaker:

- Position the speaker in a location that is solid, level, smooth, and low (with respect to the floor).
- Do not push or apply pressure to the side of the speaker when moving, or lean objects against the side of the speaker.
- Do not sit on or set objects on top of the speaker.

Vibrations or jolts associated with earthquakes and other phenomena or activities may cause the speaker to fall over. For safety reasons, using commercially available products that increase stability in the speaker is recommended (metal fittings or chains, etc.).

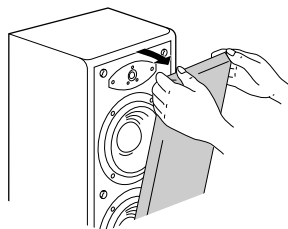
Use the stands included with the speakers to increase stability:

Be sure to use the stands regardless of where the speakers are positioned. Attaching the stands included with the speakers reinforces the base of the speaker not to fall over.

Please be cautioned that even though the stands are connected, this does not guarantee that the speakers will not fall over.

REMOVING THE FRONT COVER

The front cover is fixed to the cabinet at six points, and can be removed if desired. To remove the cover, hold both sides and slowly pull straight away from the speaker. To reattach, line up the six pegs on the inside surface of the cover with the six 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

SPECIFICATIONS

Type.....	2-way 3-speaker bass-reflex speaker system
Driver	16 cm cone woofer x 2 3 cm dome tweeter
Input Terminal	Screw-type
Impedance.....	6 ohm
Frequency Response.....	38 Hz – 30 kHz
Nominal Input Power	80W
Maximum Input Power.....	240W
Sensitivity (2.83V, 1m)	90 dB
Crossover Frequency	3 kHz
Dimensions (WxHxD)	233 x 880 x 275 mm (9-3/16" x 34-5/8" x 10-13/16")
Weight.....	11.6 kg (25 lbs. 8 oz.)
Accessories	Speaker cord (4m) x 2 Stand x 8 Screw x 16 Leg x 8

* Specifications subject to change without notice due to product improvements.

CONNECTION TO YOUR AMPLIFIER

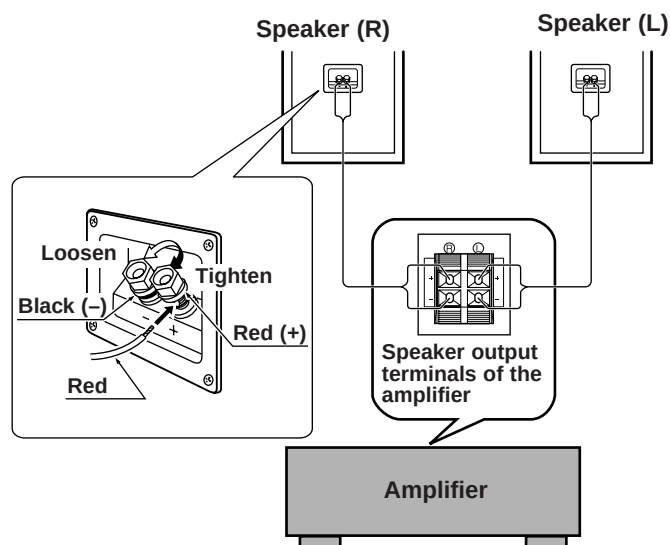
BEFORE MAKING CONNECTIONS, MAKE SURE THAT THE AMPLIFIER IS SWITCHED OFF.

■ CONNECTIONS

- Connect the screw-type input terminals at the rear of the speakers to the speaker output terminals of your amplifier with the provided speaker cords.
- One side of the speaker cord is red and the other side is black. Connect the (+) terminals on both the amplifier and the speakers using this red side. Connect the (–) terminals on both components using the black side of the cord.
- 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:

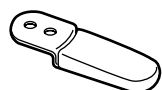
- ① Loosen the terminal knob.
- ② Insert the bare speaker wire end properly into the terminal hole. [Remove approx. 10 mm (3/8") insulation from the speaker cord.]
- ③ Tighten the knob.
- ④ Test the security of the connection by pulling lightly the cord at the terminal.



Note

Do not let the bare speaker wires touch each other as this could damage the speakers or the amplifier, or both of them.

ATTACHING THE STANDS



Stand x 8



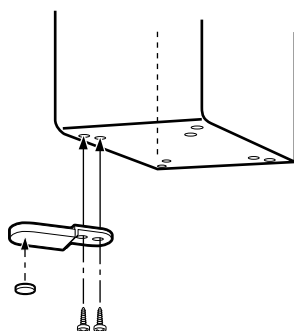
Screw x 16



Leg x 8

When placing the speakers, be sure to use the stands to increase stability.

Use the 8 specified holes located on the base of the speaker.



Procedure:

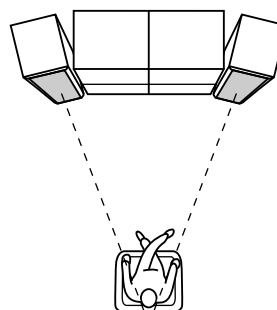
- ① Put a screw through the inside hole on the stand, and screw it into the speaker at one of the outside holes on the base of the speaker.
At this time, screw it untightly so that the stand can still be moved.
- ② Put another screw through the outside hole on the stand, and screw it into the inside hole on the base of the speaker.
- ③ Tighten both of the screws firmly.
- ④ Attach a leg to the bottom of the end portion of the stand.
- ⑤ Attach the other stands to the other corners of the base of the speaker in the same way and confirm that all 4 stands have been firmly attached.

Note

Be carefull not to apply force to the side of the speaker. oth-

PLACING THE SPEAKERS

- Place the speakers on a sturdy vibration-free surface. If you cannot obtain good bass quality when the speakers are placed directly on the floor, insert a block etc. between the speakers and the floor.
- Better stereo images will be obtained when the speakers are slightly angled in towards the listeners.



Note

Because these speakers are not a magnetically shielded type, there may be some influence on a TV picture depending on the type of TV or the placement of the speakers. In such a case, place the speakers apart from the TV.

