# NS-6490

**Speaker System** 

UGRT

Thank you for selecting a YAMAHA speaker system.

# PRECAUTIONS

Read these precautions carefully before using your speakers.

- To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- Install the speakers in a cool, dry, clean place away from windows, heat sources, sources of excessive vibration, dust, moisture and cold. Avoid sources of humming (transformers, motors). To prevent fire or electrical shock, do not expose the speakers to rain or water.
- To prevent the enclosure from warping or discoloring, do not place the speakers where they will be exposed to direct sunlight or excessive humidity.
- Do not place the following objects on the speakers: Glass, china, etc.

If glass etc. falls by vibrations and breaks, it may cause bodily injury.

A burning candle etc.

If the candle falls by vibrations, it may cause fire and bodily injury.

A vessel with water in it

If the vessel falls by vibrations and water spills, it may cause damage to the speakers, and/or you may get an electric shock.

- Do not place the speakers where foreign objects such as water drips might fall. It might cause a fire, damage to the speakers, and/or bodily injury.
- 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.
- Placing the speakers on the same shelf or rack as the turntable can result in feedback.
- 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 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 speakers with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Do not attempt to modify or fix the speakers. Contact qualified YAMAHA service personnel when any service is needed. The cabinet should never be opened for any reasons.
- Secure placement or installation is the owner's responsibility. YAMAHA shall not be liable for any accident caused by improper placement or installation of speakers.

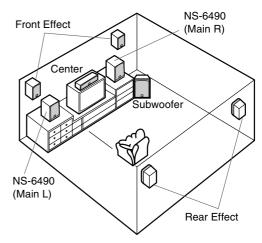
# PLACING THE SPEAKERS

#### ■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.



#### Note

These speakers feature a magnetically shielded design, but there is still a chance that placing them too close to a TV set might impair picture color. Should this happen, move the speakers away from the TV set.

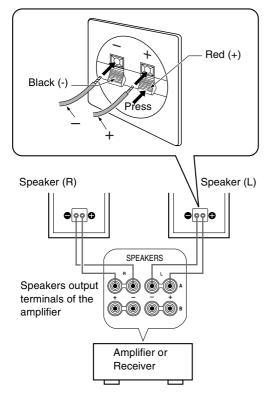
### **CONNECTIONS TO YOUR AMPLIFIER**

#### Before making connections, make sure that the amplifier is switched off.

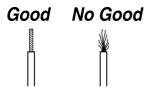
#### Connections

- Connect the input terminals at the rear of the speakers to the speaker output terminals of the amplifier (or receiver) with the provided speaker cables.
- Connect the (+) terminals on both the amplifier (or receiver) 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 the amplifier (or receiver), 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.

#### How to Connect: [U.S.A. Model]



(1) Remove the insulation coating at the extremity of each speaker cable by twisting the coating off.

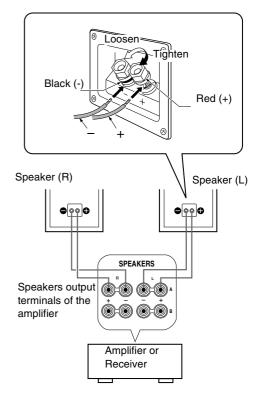


- ② Press and hold the terminal's tab, as shown in the figure.
- ③ Release your finger from the tab to allow it to lock securely on the cable's wire end.
- ④ Test the firmness of the connection by pulling lightly on the cable at the terminal.

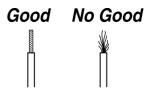
#### Note

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

#### [Europe, China and General models]



(1) Remove the insulation coating at the extremity of each speaker cable by twisting the coating off.



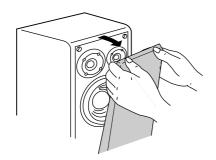
- (2) Loosen the terminal knob.
- ③ Insert the bare wire.
- (4) Tighten the knob and secure the cable. Test the firmness of the connection by pulling lightly on the cable at the terminal.

#### Note

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

# **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 3-way acoustic suspecsion speaker system
magnetic shielding type
Driver
10 cm (4") cone mid-range
2.2 cm (about 7/8") balanced dome tweeter
Frequency response 45 Hz – 23 kHz
Nominal impedance
Nominal input power
Maximum input power140 W
Sensitivity
Crossover frequency 2.5 kHz, 8 kHz
Dimensions (W x H x D)267 x 411 x 336 mm
(10-1/2"x 16-1/5" x 13-1/5")
Weight