

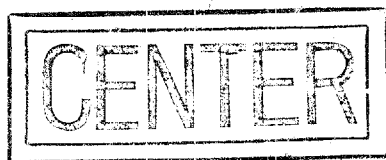
YAMAHA NS-500M

Natural Sound
3-Way Speaker System
Bookshelf Acoustic Suspension

**THANK YOU FOR PURCHASING
THE YAMAHA NS-500M SPEAKER SYSTEM**
Please read this before using your NS-500M
speakers.

PRECAUTIONS

- To prevent discoloration or damage to the cabinet, keep your speakers away from high temperatures and out of direct sunlight.
- When an amplifier with a rated output higher than the music input of the speaker system is used, care should be taken never to exceed the speakers' music input.
- Connections to the amplifier speaker terminals depend on the particular amplifier you are using. Please check the amplifier owner's manual before making speaker connections.
- In order to preserve the beauty of the cabinet, avoid the use of alcohol, benzene, thinner or insecticides on the cabinet and avoid prolonged contact with vinyl-based products. When cleaning, use a clean, dry cloth.
- The speaker system contains strong magnets; television sets, watches, magnetic tape, and other magnetic objects should be kept at a reasonable distance.
- When the grill is off, avoid touching the woofer cone or center cap. Any deformation can cause audible distortion.
- The bass may sound unnatural if the speakers are placed directly on the floor. If this is the case, raise the speakers off the floor with sturdy supports, such as speaker stands or concrete blocks.



CONNECTING TO YOUR AMPLIFIER

- Before connecting**
Be sure to turn the power to the amplifier off before connecting the speakers. Failure to turn the amplifier off may result in damage to the amplifier and speakers while connecting the wires.
Also, note the input impedance of these speakers is 6 ohms. If these speakers are connected to a transistor amplifier, the speakers can be connected with no relationship to speaker terminal impedance. However, be sure to connect these speakers to 6 ohms impedance output terminals when connecting these speakers to a vacuum tube amplifier.
- Connection**
Connect the accessory speaker cords to the quick release input terminals on the speaker back to the speaker output terminals of your amplifier. Be sure to connect the left channel of the speaker to the left channel terminal of the amplifier, similarly connect the right speaker channel to the right output terminal. Confirm the polarities of these connections before turning the power on. If the polarity of even just one of these speakers is mistakenly connected, a low, unnatural sound will be produced. The included speaker cords are parallel, red/black encoded. Connect the red cord to the right (+) terminal of both the amplifier and speaker, connect the black cord to the left (-) terminals of the speaker and amplifier. If your amplifier has screw-type output terminals, be sure to securely tighten the screw.

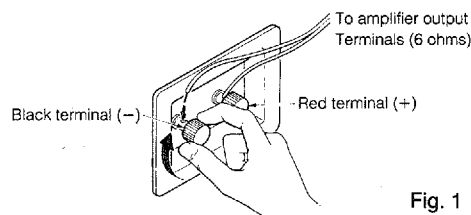


Fig. 1

HOW TO USE THE LEVEL CONTROLS

These controls enable adjustment of the mid-range and high range output levels according to the program source and audio characteristics of the listening room.
Remove the speaker grille for access to the two level controls. The upper level control (HIGH LEVEL) is used to regulate high frequency sounds, while the lower control (MID LEVEL) is used to regulate the midrange. Each control produces a flat response when set to the NORM (normal) position. Turning the controls to the left decreases the sound pressure level; turning them to the right increases the sound pressure level. Note the HIGH LEVEL can only be adjusted to decrease the sound pressure level from the normal position, while the MID LEVEL can be adjusted to either increase or decrease the output level from the normal position.
Before adjusting speaker output with these level controls, first set all amplifier controls (tone controls, filters) to the flat response position, adjust the volume to your usual listening level, and then proceed to adjust the level controls on the speakers.
Be sure to first adjust the midrange (MID LEVEL) and then the high range (HIGH LEVEL) to produce the desired sound.

Level controls

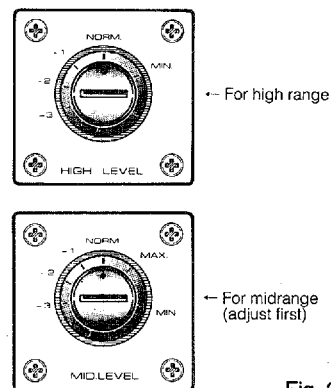


Fig. 2

SPEAKER GRILLE

The speaker grille is attached to the cabinet at four points by plug-type latches for easy attachment and removal.
To remove, grasp both sides of the grille at the bottom and pull out gently. When the bottom is detached, repeat the procedure at the top.
To attach, line the plugs on the grille up with the holes in the cabinet and push in gently.

SPECIFICATIONS

Type	3-way, bookshelf, acoustic suspension
Speaker unit	Woofer: 30 cm (12") cone (JA3109) 10 cm (4") semidome (JA1214) Tweeter: 5 cm (2") dome (JA0544)
Nominal input	100 W
Music input	200 W
Output sound pressure level	91 dB/1 m, 1 W
Frequency response	40 Hz ~ 20,000 Hz
Impedance	6 ohms
Crossover frequency	Low-mid 700 Hz Mid-high 5,000 Hz
Dimensions (W × H × D)	374 × 678 × 324.5 mm (14-3/4 × 26-5/8 × 12-3/4")
Weight	23.5 kg (51 lbs. 13oz.)
Accessory	Speaker cord × 1 per unit

*Specifications are subject to change without notice.
*Care should be taken to avoid exceeding the music input power levels listed above.

SINCE 1887  **YAMAHA**
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