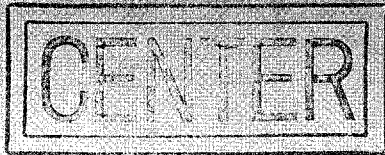


YAMAHA NS-W2

*Natural Sound Super Woofer Speaker System
Magnetic Shielding Speaker for A/V System Use
Built-in High-Power Amplifier for Rich Base Sound*



OWNER'S MANUAL

Thank you for purchasing the Yamaha NS-W2 super woofer system.

CONTENTS

CAUTION: UL1270	1
CAUTION: READ THIS BEFORE OPERATING YOUR NS-W2	2
FUNCTION	2
CONNECTIONS	3
IN COMBINATION WITH MINI SPEAKERS	4
SPECIFICATIONS	4

IMPORTANT!

Please record the serial number of your unit in the space below:

Model: **NS-W2**

Serial No.:

The serial number is located on the rear of the cabinet. Retain this Owner's Manual in a safe place for future reference.

WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

CAUTION (PREPARED IN ACCORDANCE WITH UL STANDARD 1270)

1 Read Instructions — All the safety and operating instructions should be read before the appliance is operated.

2 Retain Instructions — The safety and operating instructions should be retained for future reference.

3 Heed Warnings — All warnings on the appliance and in the operating instructions should be adhered to.

4 Follow Instructions — All operating and other instructions should be followed.

5 Water and Moisture — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near swimming pool, etc.

6 Carts and Stands — The appliance should be used only with a cart or stand that is recommended by the manufacturer.

7 Wall or Ceiling Mounting — The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

8 Ventilation — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

9 Heat — The appliance should be situated away from heat sources such as radiators, stoves, or other appliances that produce heat.

10 Power Sources — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

11 Power-Cord Protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

12 Cleaning — The appliance should be cleaned only as recommended by the manufacturer.

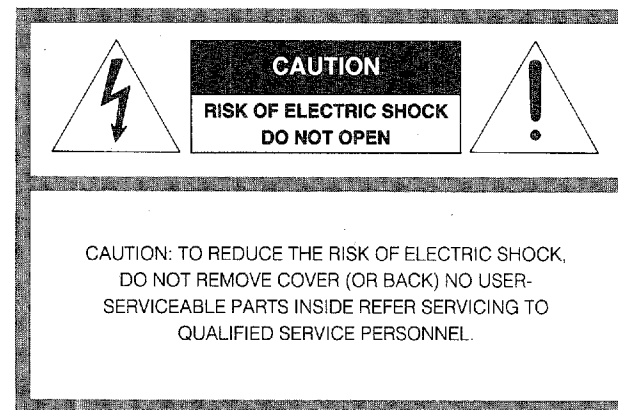
13 Nonuse Periods — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

14 Object and Liquid Entry — Care should be taken so that objects do not fall into and liquids not spilled into the inside of the appliance.

15 Damage Requiring Service — The appliance should be serviced by qualified service personnel when:

- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped, or the cabinet damaged.

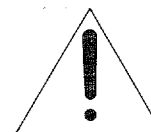
16 Servicing — The user should not attempt to service the appliance beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.



• 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.

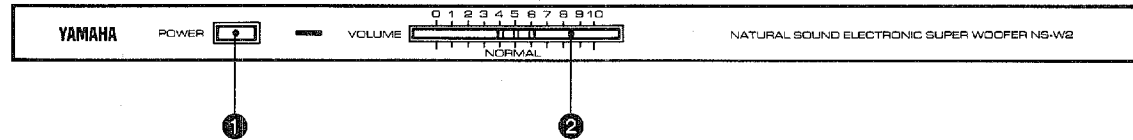
NS-W2

CAUTION: READ THIS BEFORE OPERATING YOUR NS-W2

- 1 The NS-W2 is a sophisticated Super woofer system. To ensure proper operation for the best possible performance, please read this manual carefully.
- 2 Choose the installation location of your NS-W2 carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibration and excessive dust, heat, cold or moisture. Keep it away from such sources of hum as transformers or motors.
- 3 Do not open the cabinet as this might result in damage to the set or electrical shock. If a foreign object should get into the set, contact your dealer.
- 4 When removing the power plug from the wall outlet, always pull directly on the plug; never yank the cord.
- 5 Do not attempt to clean the NS-W2 with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- 6 Placing your turntable on top of the speaker cabinet or on the same shelf may cause howling. The turntable should be placed where vibrations from the speakers will not reach it.

By using these speaker systems, which are shielded to prevent the emission of magnetism which would affect a television picture, the speaker systems can usually be placed beside the TV. Some types of TV, however, may show some abnormal color reproduction; if this happens, move the speaker systems slightly farther away from the TV.

FUNCTIONS



1 Power Switch

This is a "push-on, push-off" type power switch. When turned on, the power indication will illuminate.

2 Volume Control

Volume control setting and LEVEL (NORMAL (5) Position 0 dB)

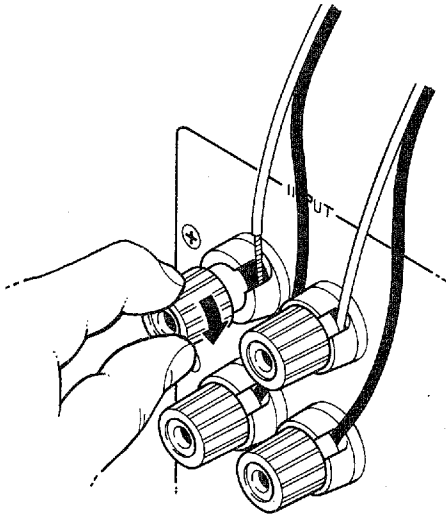
Volume control setting	0	1	2	3	4	NORMAL 5	6	7	8	9	10
LEVEL [dB]	-∞	-24	-12	-6	-2	0 dB	+2	+5	+8	+10	+11

The volume control is preadjusted so that, at the "NORMAL" position, the efficiency of small speaker systems is 90 dB at an impedance of 6 ohms. (Example: NS-L1)
Volume control setting and level ("NORMAL" (5) position: 0dB).

- Before switching ON the power, always be sure to first set the volume control to the "0" position and then gradually slide it to the right to increase the volume to the desired level.
- The human ear can perceive mid-range sound better than low-range sound and high-range sound. For that reason, increase the low-range volume to a level which is pleasant to hear; but, if it is increased too much, the sound will become distorted. It is suggested, therefore, that the most suitable volume level be selected in order to obtain the best and most satisfactory performance from the speaker systems.

CONNECTIONS TO OTHER COMPONENTS

Connection of wires

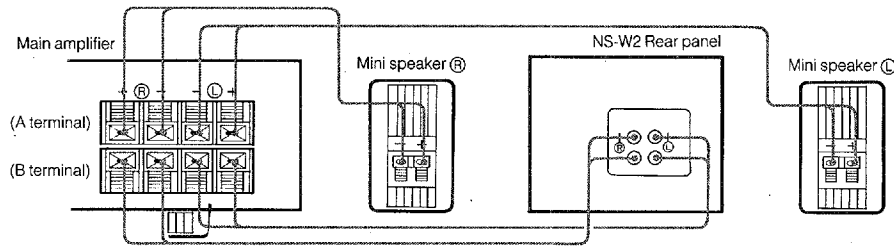


- 1 Connect each wire by inserting it at the notch at the right side of the screw.
- 2 Fully tighten the screws by turning them in the clockwise direction.

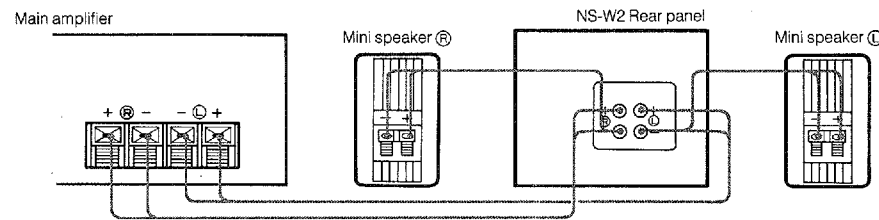
- Do not begin making connections until the power to each component is switched OFF.
- Make connections from the speaker system for the left channel to the "L" terminals of the amplifier, and from the speaker system for the right channel to the "R" terminals of the amplifier; check to be sure that the positive (+) and negative (-) connections are made correctly for each channel.

1 If only one NS-W2 unit is used

- 1 If the main amplifier has A + B speaker terminals

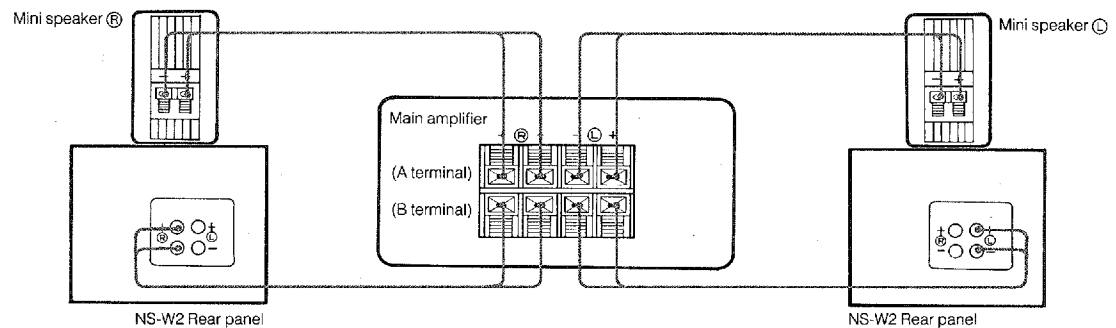


- 2 If the main amplifier doesn't have A + B speaker terminals



2 If two NS-W2 units are used

(The figure shows an example in which the main amplifier has A + B terminals.)

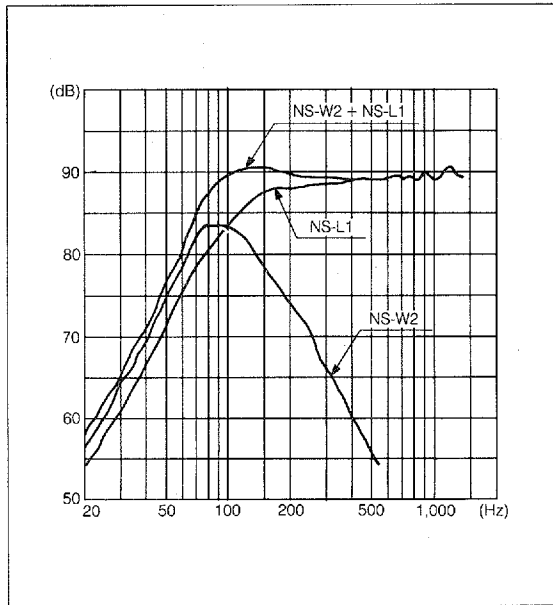


NS-W2

TO OBTAIN FULL PERFORMANCE CAPABILITY

When used together with small speaker systems (example: NS-L1) As shown in the figure, the frequency response will be improved if the NS-W2 and NS-L1 are used together.

The frequency response curves shown in this figure are the results measured in an anechoic chamber; an even greater effect than shown in the graph will be heard when the NS-W2 speaker systems are used together with the NS-L1 speaker systems in an ordinary listening room.



SPECIFICATIONS

Unit	25 cm (10") Woofer (JA-2533)
	magnetic-shielding type
Cabinet	38 ℓ bass-reflex enclosure
Main Amplifier	
6 Ω, 40 Hz (0.1% THD)	40 W
Filter	100 Hz 18 dB/oct (fixed)
Power Supply	AC120 V, 60 Hz
Power Consumption	70 W
Dimensions (W × H × D)	450 × 360 × 315 mm
	(17 - 11/16" × 14 - 3/16" × 12 - 3/8")
Weight	12 kg (26 lbs. 7 oz)

Specifications subject to change without notice.

