

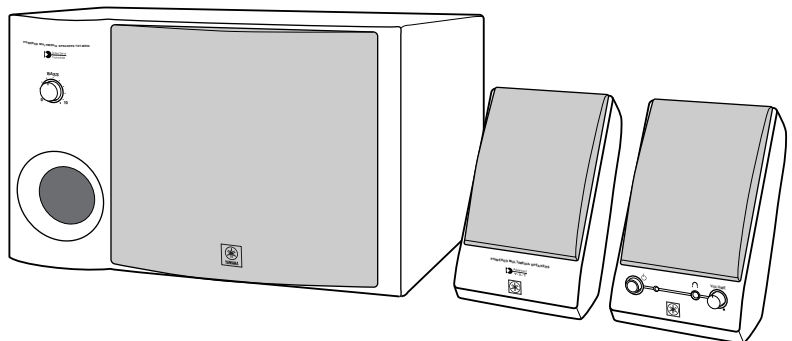


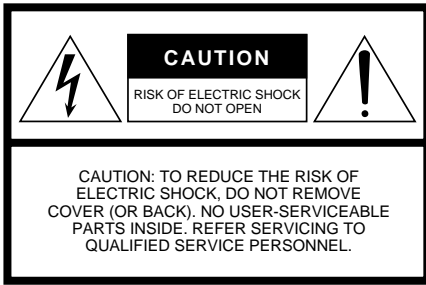
POWERED MULTIMEDIA SPEAKERS

YST-MS50



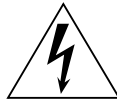
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WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

• 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.


IMPORTANT!

Please record the serial number of this unit in the space below.

Model:
Serial No.:

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

SAFETY INSTRUCTIONS

- 1 Read Instructions — All the safety and operating instructions should be read before the unit is operated.
- 2 Retain Instructions — The safety and operating instructions should be retained for future reference.
- 3 Heed Warnings — All warnings on the unit 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 unit should not be used near water – for example, near a bathtub, wash-bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
- 6 Carts and Stands — The unit should be used only with a cart or stand that is recommended by the manufacturer.
- 6A An unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn. 
- 7 Wall or Ceiling Mounting — The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8 Ventilation — The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, the unit 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 unit should be situated away from heat sources such as radiators, stoves, or other appliances that produce heat.
- 10 Power Sources — The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
- 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 unit.
- 12 Cleaning — The unit should be cleaned only as recommended by the manufacturer.
- 13 Nonuse Periods — The power cord of the unit 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 are not spilled into the inside of unit.
- 15 Damage Requiring Service — The unit 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 unit; or
 - C. The unit has been exposed to rain; or
 - D. The unit does not appear to operate normally or exhibits a marked change in performance; or
 - E. The unit has been dropped, or the enclosure damaged.
- 16 Servicing — The user should not attempt service the unit beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.
- 17 Power Lines — An outdoor antenna should be located away from power lines.

- 18** Grounding or Polarization — Precautions should be taken so that the grounding or polarization is not defeated.

COMPLIANCE INFORMATION STATEMENT (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party: Yamaha Corporation of America
Address: 6600 Orangethorpe Ave.
Buena Park, CA90622
Telephone: 714-522-9011
FAX: 714-527-5782
Type of Equipment: Powered Multimedia Speaker
Model Name: YST-MS50

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following conditions:

- 1) this device may not cause harmful interference, and
 - 2) this device must accept any interference received including interference that may cause undesired operation.
- See user manual instructions if interference to radio reception is suspected.

FCC INFORMATION (U.S.A)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the product "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America 6600 Orangethorpe Ave. Buena Park, CA90622, U.S.A.

FOR CANADIAN CUSTOMERS

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

POUR LES CONSOMMATEURS CANADIENS

POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

CET APPAREIL NUMÉRIQUE DE LA CLASSE B EST CONFORME À LA NORME NMB-003 DU CANADA.

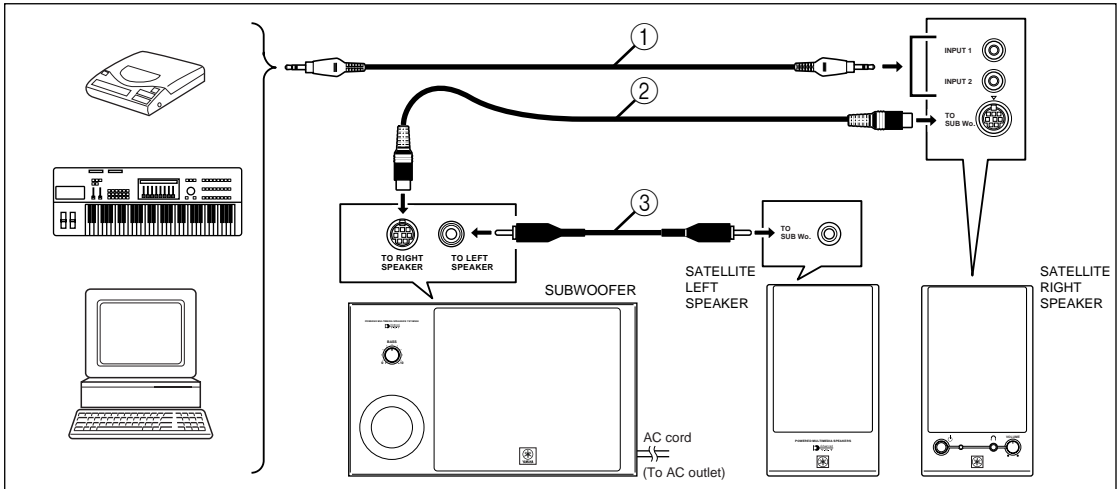
We Want You Listening For A Lifetime

YAMAHA and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.

Since hearing damage from loud sounds is often undetectable until it is too late, YAMAHA and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.

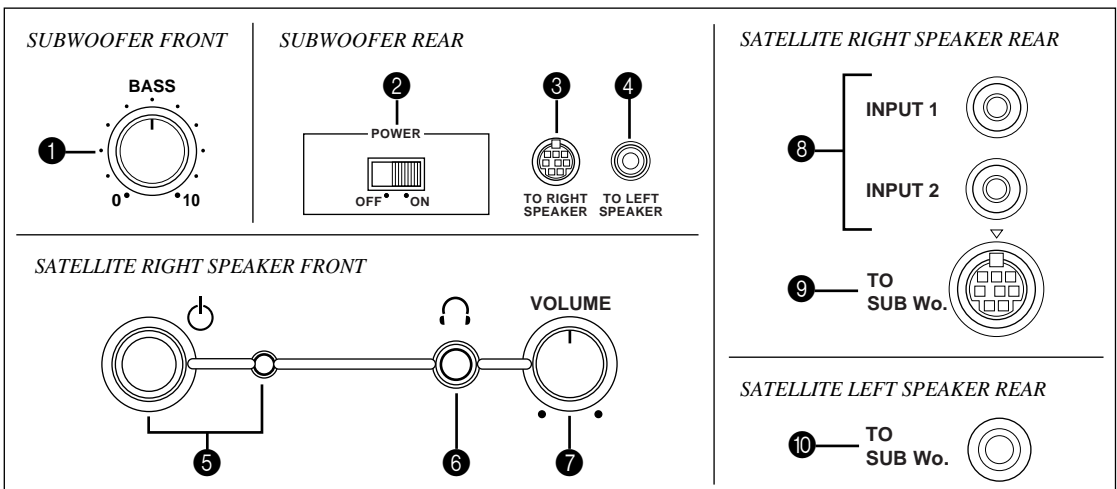


Connection / Connexion



- ① 3.5 mm stereo mini plug cable (Accessory) / Câble avec fiches mini-jack stéréo 3,5 mm (Accessoire)
- ② 8 pin plug cable (Accessory) / Câble avec connecteur à 8 broches (Accessoire)
- ③ RCA pin plug cable (Accessory) / Câble RCA/Cinch (Accessoire)

Controls & Connectors / Commandes et Connecteurs



Thank you for purchasing Yamaha's YST-MS50 Powered Multimedia Speakers. Advanced Yamaha Active Servo Technology offers exceptionally high performance, allowing these compact speakers to produce a rich bass sound.

Cautions

Please read the following operating precautions before use:

- When you disconnect the AC power cable from an AC outlet, hold the plug, not the cord.
- If the YST-MS50s are not going to be used for a while, disconnect the AC power cord from the AC receptacle.
- Always disconnect the AC power cord from the AC receptacle before making any connections.
- The YST-MS50s do not contain any user serviceable parts. Refer all servicing to your Yamaha dealer.
- **Never open the cabinet.** If a foreign object drops into the set, contact your dealer, and do not use the YST-MS50s. Otherwise, you may cause a fire.
- Do not expose the YST-MS50s to temperature extremes, direct sunlight, excessive dust, humidity, or vibration.
- Position the YST-MS50s on a level, stable surface. Do not drop the YST-MS50s, apply excessive force to their controls, or put heavy items on top of them.
- Since this unit has a built-in power amplifier, heat will radiate from the rear panel. Therefore, place the unit away from walls, allowing enough space above, behind, and on both sides of the unit. Also, do not position with the rear panel facing down on the floor or other surface. (Subwoofer only)
- Do not obstruct the port with your hand or a foreign object.
- To protect the YST-MS50 speakers, avoid microphone feedback, continuous and excessive output from electronic musical instruments, and excessive signal distortion.
- If the YST-MS50s are located close to fluorescent or neon lights, a slight hum may be heard. In this case, relocate the YST-MS50s away from the light.
- Although the YST-MS50 speakers are magnetically shielded, keep floppy disks and tapes away from them.
- The YST-MS50s may cause picture distortion when located close to a television or computer monitor. In this case, move them away a short distance.
- Avoid sources of hum (transformers, motors). To prevent fire or electrical shock, do not expose to rain and water.
- Do not use force on switches, knobs, or cables. When you move the YST-MS50, first turn off the power to the speakers, then disconnect the power cable from the AC outlet and the cables from the connected devices.
- Always turn the volume control counterclockwise to the minimum before starting to play the audio source: increase the volume gradually to an appropriate level after the playback has started.

- Do not turn off the POWER switch on the subwoofer while the ϕ (standby/on) button on the front panel of the right satellite speaker is on (while the standby/on indicator is lit). Otherwise, the speakers may be damaged.

Connections & Controls

Refer to the illustrations on page 1.

- ① **BASS control:** Use this control to adjust the volume of the subwoofer. We recommend that the control be set to the 12 or 1-o'clock position. Turn it clockwise to increase the volume; counterclockwise to decrease it.
- ② **Main POWER switch:** Normally, leave this switch in the ON position. When you will not use this unit for a long period of time, set this switch to the OFF position.
- ③ **TO RIGHT SPEAKER:** Using the 8 pin plug cable, connect this jack to the TO SUB Wo. jack on the satellite right speaker.
- ④ **TO LEFT SPEAKER:** Using the RCA pin plug cable, connect this jack to the TO SUB Wo. jack on the satellite left speaker.
- ⑤ **ϕ (standby/on) button and indicator:** Press the ϕ (standby/on) button to turn on the YST-MS50s; the standby/on indicator lights up. Press again to turn off. Turn down the VOLUME control before turning on and off the YST-MS50s. A small amount of power is always consumed even while the YST-MS50s are on standby.
- ⑥ **\curvearrowright (Headphone):** A pair of stereo headphones can be connected here for private listening. The YST-MS50 speakers do not produce sound when headphones are connected to this jack.
- ⑦ **VOLUME control:** Use this control to adjust the volume of the left and right speakers. Turn it clockwise to increase the volume; counterclockwise to decrease it.
- ⑧ **INPUT 1 and 2:** These 3.5 mm stereo mini jacks are used to input signals independently to the YST-MS50. You can, for example, connect a CD player and personal computer to these jacks. The signals from these jacks are mixed together.
- ⑨ **TO SUB Wo. (on the right):** Using the 8 pin plug cable, connect this jack to the TO RIGHT SPEAKER on the subwoofer.
- ⑩ **TO SUB Wo. (on the left):** Using the RCA pin plug cable, connect this jack to the TO LEFT SPEAKER jack on the subwoofer.

Non skid pad

To prevent the speakers from sliding around, attach the supplied pads to the four points on the bottom of each satellite speaker. Place the speaker on a stable, flat surface.



Specifications

Type..... Advanced Active Servo Technology

Output power

Satellite speakers..... 20 W + 20 W (1 kHz, 4 Ω at T.H.D.=10%)

Subwoofer 40 W (100 Hz, 5 Ω at T.H.D.=10%)

Input sensitivity 200 mV (1 kHz, 4 Ω at 20 W)

Input impedance 25 kΩ

Frequency response..... 32 Hz to 20 kHz

Speaker unit

Satellite speakers

Tweeter..... 19 mm (3/4") dome, magnetic shielding

Midrange 8 cm (3") cone, magnetic shielding

Subwoofer..... 16 cm (6.5") cone, magnetic shielding

Power consumption..... 65W

Power supply

U.S.A. and Canada models AC 120 V, 60 Hz

Australia model AC 240 V, 50 Hz

U.K. and Europe models AC 230 V, 50 Hz

General model..... AC 110-120/220-240 V, 50/60 Hz

Dimensions (W × H × D)

Satellite speakers 97 (3.8") × 159 (6.3") × 178 (7") mm

Subwoofer..... 350 (13.8") × 210 (8.3") × 321 (12.6") mm

Weight

Satellite speakers 0.7 kg (1 lb. 9 oz.) × 2

Subwoofer..... 8.0 kg (17 lbs. 10 oz.)

Finish

YST-MS50 W Computer white

YST-MS50 B Black

Accessories

3.5 mm stereo mini plug cable × 1 (1.8m), RCA pin plug cable × 1 (1.8m), 8 pin plug cable × 1 (1.8m), 8 pcs of non skid pads × 1

* Specifications subject to change without notice.

Troubleshooting

If the speakers fail to operate normally, check the following table. It lists common operation errors and simple measures that you can take to correct problems. If a problem cannot be corrected, or the symptom is not listed, disconnect the AC power cord and contact your authorized YAMAHA dealer or service center for help.

FAULT	CAUSE	CURE
No sound comes from the speakers or subwoofer.	The AC power cord is not properly plugged into the wall outlet. The main power switch on the subwoofer is set to OFF. The ϕ (standby/on) button is turned off. Connections are faulty or incomplete. The volume is set to minimum. The level of the signal being input is too low. Headphones are connected.	Insert the AC power cord firmly into the wall outlet. Set the main power switch to ON. Turn on the ϕ (standby/on) button (the indicator lights). Make the connections again, firmly, or use a different cable. Turn the speaker VOLUME control to the right to increase the volume. Turn the subwoofer VOLUME control to the right to increase the volume. Turn up the volume on the connected component. Disconnect the headphones.
Sound is distorted.	The level of the signal being input is too high.	Turn down the volume on the connected component.
Noise.	Connections are faulty or incomplete.	Make the connections again, firmly, or use a different cable.
Noise is heard when the power is turned on.	The power cord of this unit connected to another unit's SWITCHED AC OUTLET.	Connect the power cord to an UNSWITCHED AC OUTLET. Make sure to use the ϕ (standby/on) button on this unit to turn on and off.

- Even if the ϕ (standby/on) button is turned off, a small amount of sound may be heard from the headphones if the VOLUME control is set to max. This is normal.

Pieds anti-dérapiage

Pour éviter que les baffles glissent, nous vous conseillons de fixer les pieds anti-dérapiage aux quatre coins de la face inférieure des baffles satellites. Placez le baffle sur une surface stable et plate.



Fiche technique

Type Advanced Active Servo Technology

Puissance de sortie

Baffles satellites

20 W + 20 W (1 kHz, 4 Ω avec une dist. harm. =10%)

Subwoofer

40 W (100 Hz, 5 Ω avec une dist. harm. =10%)

Sensibilité d'entrée 200 mV (1 kHz, 4 Ω à 20 W)

Impédance d'entrée 25 kΩ

Réponse en fréquence 32 Hz à 20 kHz

Haut-parleur

Baffles satellites

Tweeter.... Dôme de 19 mm (3/4"), blindage magnétique

Medium ... Cône de 8 cm (3"), blindage magnétique

Subwoofer ... Cône 16 cm (6,5"), protection magnétique

Consommation 65 W

Alimentation

Modèle pour les E.U. et le Canada AC 120 V, 60 Hz

Modèle pour l'Australie AC 240 V, 50 Hz

Modèle pour le R.U. et l'Europe AC 230 V, 50 Hz

Modèle Général AC 110-120/220-240 V, 50/60 Hz

Dimensions (L × H × P)

Baffles satellites

97 (3,8") × 159 (6,3") × 178 (7") mm

Subwoofer

350 (13,8") × 210 (8,3") × 321 (12,6") mm

Poids

Baffles satellites 0,7 kg (1 lb. 9 oz.) × 2

Subwoofer 8,0 kg (17 lbs. 10 oz.)

Finition

YST-MS50 W Blanc ordinateur

YST-MS50 B Noire

Accessoires

Câble avec fiches mini-jack stéréo 3,5mm × 1 (1,8m), Câble RCA/Cinch × 1 (1,8m), câble avec connecteur à 8 broches × 1 (1,8m), jeu de 8 patins anti-dérapiants × 1

* Spécification sujettes à modifications sans préavis.

En cas de problème

Si les enceintes ne fonctionnent pas normalement, passez le tableau suivant au crible. Il reprend les erreurs de manipulations les plus communes, auxquelles il est fort simple de remédier. Si votre problème n'y trouve pas de solution ou si vous n'y trouvez pas les symptômes, débranchez le cordon d'alimentation et contactez un revendeur ou un centre de service après-vente YAMAHA autorisé.

PROBLEME	CAUSE	REMEDE
Les enceintes et le subwoofer restent muets.	Le cordon d'alimentation n'a pas été correctement branché. L'interrupteur principal sur le subwoofer est sur OFF. Le commutateur ϕ (standby/alimentation) est coupé. Connexions mauvaises ou incomplètes. La commande volume se trouve sur le niveau minimum. Le niveau de sortie du signal est trop bas. Vous avez branché un casque.	Branchez correctement le cordon d'alimentation à une prise secteur. Réglez l'interrupteur principal sur ON. Appuyez sur le commutateur ϕ (standby/alimentation) pour mettre l'appareil sous tension (le témoin s'allume). Vérifiez les connexions et changez éventuellement les câbles. Tournez la commande VOLUME des enceintes vers la droite pour augmenter le niveau. Tournez la commande VOLUME du subwoofer vers la droite pour augmenter le niveau. Augmentez le volume de l'appareil externe. Débranchez le casque.
Il y a distorsion du signal.	Le niveau du signal entrant est trop élevé.	Diminuez le volume de l'appareil externe.
Bruit.	Connexions mauvaises ou incomplètes.	Vérifiez les connexions et changez éventuellement les câbles.
Il y a du bruit lors de la mise sous tension.	Le cordon d'alimentation est branché au connecteur SWITCHED AC OUTLET d'un autre appareil.	Branchez le cordon d'alimentation à une borne UNSWITCHED AC OUTLET. Veillez à utiliser le commutateur ϕ (standby/alimentation) du YST-MS50 pour le mettre sous et hors tension.

- Même lorsque le commutateur ϕ (standby/alimentation) est coupé, il est possible d'entendre un faible son dans le casque si la commande VOLUME est au maximum. C'est normal.

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