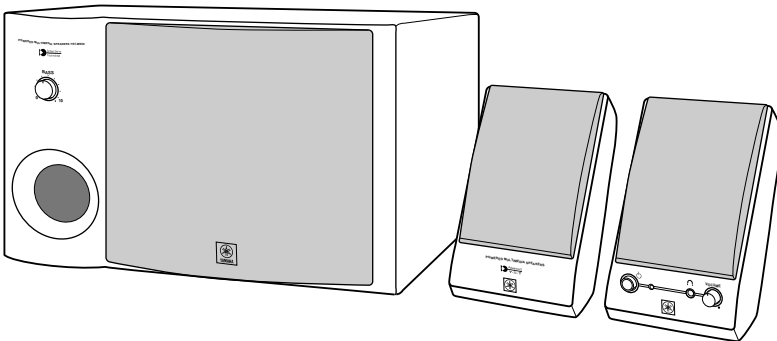






POWERED MULTIMEDIA SPEAKERS

YST-MS50



OWNER'S MANUAL

MODE D'EMPLOI

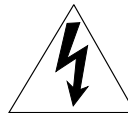
	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

IMPORTANT
Please record the serial number of this system in the space below.

Model:
Serial No.:

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

• 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.

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

SAFETY INSTRUCTIONS

- 1 Read Instructions – All the safety and operating instructions should be read before the product is operated.
- 2 Retain Instructions – The safety and operating instructions should be retained for future reference.
- 3 Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
- 4 Follow Instructions – All operating and use instructions should be followed.
- 5 Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6 Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7 Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8 Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9 A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- 10 Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 11 Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12 Grounding or Polarization – This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 13 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 product.
- 14 Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 15 Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 16 Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 17 Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 18 Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 19 Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power-supply cord or plug is damaged,
 - b) If liquid has been spilled, or objects have fallen into the product,
 - c) If the product has been exposed to rain or water,
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance - this indicates a need for service.
- 20 Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 21 Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 22 Wall or Ceiling Mounting – The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 23 Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



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.

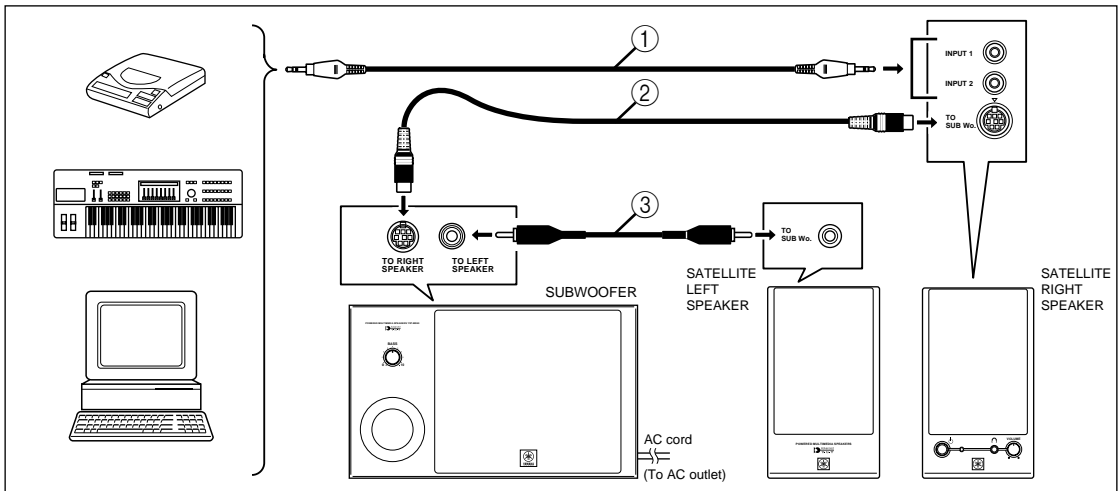
We Want You Listening For A Lifetime

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.

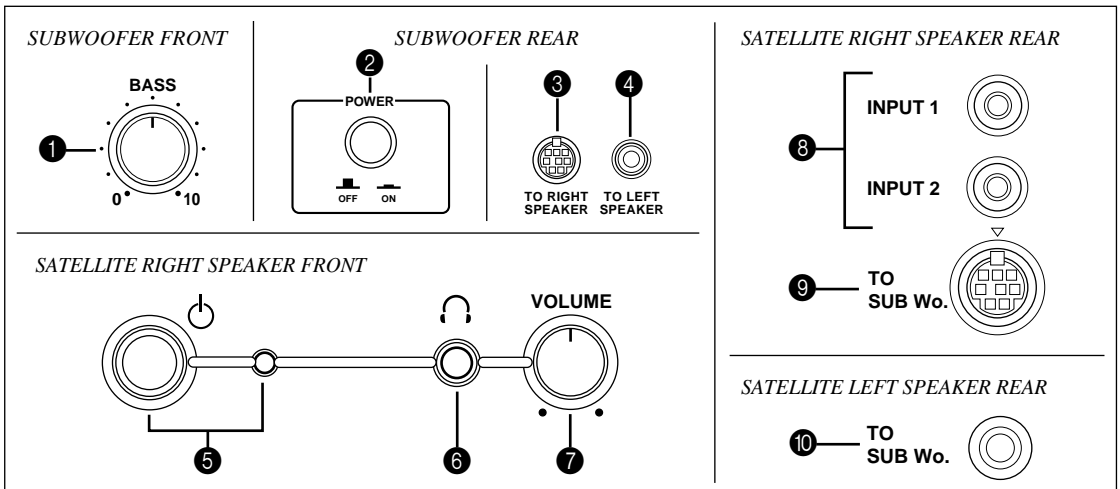


Connection / Connexion



- 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 a space of at least 20 cm (7.9") above, and 10 cm (4") behind and at the sides. 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.

Note for headphone:

When you use headphones, make sure that they have a cable of less than 3m. (UK and Europe models)

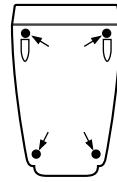
Connections & Controls

Refer to the illustrations on page 1.

- ➊ **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.
- ➋ **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.
- ➌ **TO RIGHT SPEAKER:** Using the 8 pin plug cable, connect this jack to the TO SUB Wo. jack on the satellite right speaker.
- ➍ **TO LEFT SPEAKER:** Using the RCA pin plug cable, connect this jack to the TO SUB Wo. jack on the satellite left speaker.
- ➎ **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.
- ➏ **\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.
- ➐ **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.
- ➑ **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.
- ➒ **TO SUB Wo. (on the right):** Using the 8 pin plug cable, connect this jack to the TO RIGHT SPEAKER on the subwoofer.
- ➓ **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

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

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.