YAMAHA

SILENT Brass™ Personal Studio™ STX

Owner's Manual

Thank you for purchasing the Yamaha SILENT Brass™ Personal Studio™ STX. In order to obtain the maximum performance and enjoyment from your STX, we urge you to read this Owner's Manual thoroughly before using. Please keep this Owner's Manual in a safe place for later reference.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe and handy place for future reference.

⚠ WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Do not open

- This instrument contains no user-serviceable parts. Do not open the instrument or attempt to disassemble or modify the internal components in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.

Battery

- Follow the precautions below. Failure to do so might result in explosion, fire, overheating or battery fluid leakage.
  - Do not tamper with or disassemble batteries.
  - Do not dispose of batteries in fire.
  - Do not attempt to recharge batteries that are not designed to be charged.
  - Use the specified battery type only.
  - Use new batteries, all of which are the same type, same model, and made by the same manufacturer.
  - Always make sure all batteries are inserted in conformity with the +/- polarity markings.
  - When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument.
  - When using Ni-MH batteries, follow the instructions that came with the batteries. Use only the specified charger device when charging.
- Keep batteries away from small children who might accidentally swallow them.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

If you notice any abnormality

- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. (If you are using batteries, remove all batteries from the instrument.) Then have the device inspected by Yamaha service personnel.
  - The power cord or plug becomes frayed or damaged.
  - It emits unusual smells or smoke.
  - Some object has been dropped into the instrument.
  - There is a sudden loss of sound during use of the instrument.

⚠ CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the instrument or other property. These precautions include, but are not limited to, the following:

Connection

- Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum.
- Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

Location

- Do not place the instrument in an unstable position where it might accidentally fall over.

Handling caution

- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

Make sure to discard used batteries according to local regulations.

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 user's 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 unit "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 co-axial 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 cannot locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA 90620

   The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

• This applies only to products distributed by Yamaha Corporation of America.

CANADA This Class B digital apparatus complies with Canadian ICES-003.

• This applies only to products distributed by Yamaha Canada Music Ltd.

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[For business users in the European Union]
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Cd

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

■ Installing/Replacing Batteries

The device is powered by two AA alkaline or nickel-metal hydride* batteries.

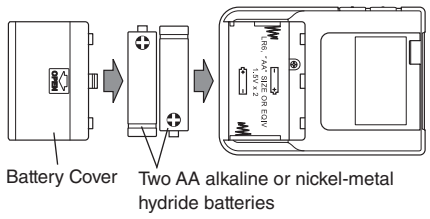
** The device may not function properly due to the discharging characteristics of some nickel-metal hydride batteries.*

Before replacing batteries, make sure that the power is switched "OFF".

① Remove the battery compartment cover on the back of the unit, and remove the old batteries.
② Install the new batteries following the polarity markings in the illustration.
③ Replace the battery compartment cover.

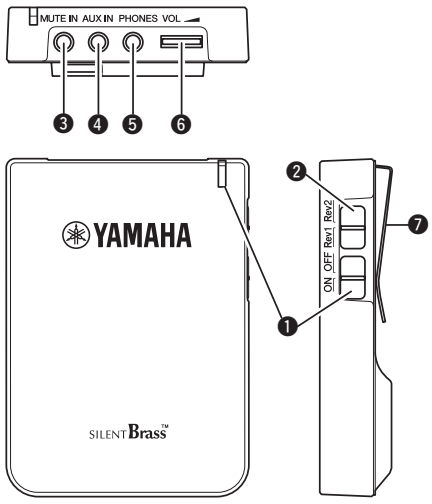
** The indicator lights red when battery power is low. The unit automatically switches off when power is depleted. Please replace the batteries with a fresh set as soon as possible.*

** For more information on battery use, please refer to the "PRECAUTIONS" section.*



Battery Cover Two AA alkaline or nickel-metal hydride batteries

■ Part Names and Functions



❶ Power Switch (OFF/ON)/Indicator
This is the unit's power switch. The "ON" position supplies the unit with power and lights the indicator.

** Always make sure that the earphones or headphones are removed from your ears before switching the power ON or OFF.*

❷ Reverb Type Switch (Rev1/Rev2)
Selects the type of reverb (Rev1: Room, Rev2: Hall).

❸ MUTE IN Jack
Connects the Yamaha Pickup Mute™ to the Personal Studio™.

** Always switch the Personal Studio™ power switch ❶ "OFF" before making connections.*

** The MUTE IN jack also supplies the mute with power, so never connect any device other than the Yamaha Pickup Mute™ to the jack.*

❹ AUX IN Jack (Stereo Mini Phone Jack)
Use a commercially available audio cable to connect an external audio player or other such device to the AUX IN jack for playing along with audio from the external device.

** Use the volume control on the external audio device to control its volume.*

❺ PHONES Jack (Stereo Mini Phone Jack)
Connects a pair of stereo earphones or headphones to the unit. Use a commercially available audio cable to connect the unit to an external device for recording.

** Never connect to a monaural device.*

** Do not connect an earphone with microphone headset or similar device that has a 4-contact plug to the Personal Studio™. The use of such a device can result in severely degraded balance and sound.*

** If you want to use the jack as an external output, do not connect anything to the AUX IN jack. It may cause malfunction.*

** Do not connect the PHONES jack to a microphone input jack (or combined mic/line input) on a computer, etc., that also supplies power to the connected device (plug-in power). It may cause malfunction.*

❻ Volume Control (VOL) Controls the volume level of the PHONES jack.

❼ Clip The clip is used to attach the Personal Studio™ to a belt or pocket.

■ About Brass Resonance Modeling™

The unit features Brass Resonance Modeling™ technology developed by Yamaha. This exclusive technology uses modeling to correct the sound when played with the Pickup Mute™ to match the resonant characteristics of a brass instrument played without a mute. The resulting sound has a comfortable resonance that reduces the stress often experienced when playing with a mute.

** To experience the full Brass Resonance Modeling™ effect, make sure that the left and right sides of the earphones/headphones are positioned properly.*

** When a Brass Resonance Modeling™ compatible Pickup Mute™ (PMX Series) is connected to the unit and the power is switched ON, the most suitable mute setting is recalled and the red indicator lights in one of the following patterns.*

Trumpet **PM7X**	Flugelhorn **PM6X**	Trombone **PM5X**	French horn **PM3X**	**Incompatible Mute** * Setting is invalid.
• — •	• • — •	• • •	• • • •	— — —

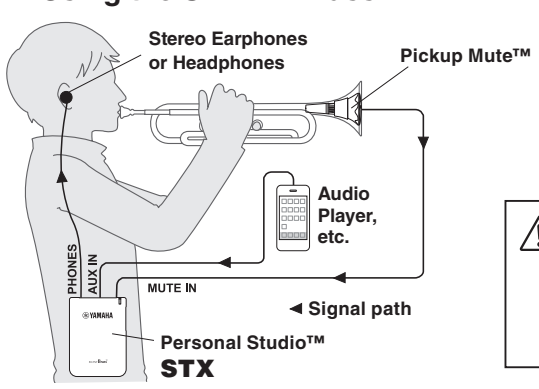
• : Short flash — : Longer flash

** If no mute is connected, the indicator will flash continuously.*

■ About the Auto Power Off Function

In order to prevent unnecessary power consumption, the unit is equipped with an Auto Power Off function that automatically switches the power OFF if no signal is detected from the MUTE IN jack for 30 minutes. If the power is off due to the Auto Power Off function, slide the power switch to the OFF position and then back to the ON position again (reboot).

■ Using the SILENT Brass™



⚠ Accidentally disconnecting the cable while the power is ON, or the unit experiencing a strong shock may cause a loud noise that can damage your hearing and the unit. Please use caution.

■ Specifications

Jacks and Terminals (all mini jack type): MUTE IN, AUX IN, PHONES
Control: VOL. (volume), Reverb type, Power ON/OFF
Power Supply: AA alkaline or nickel-metal hydride batteries x 2 (3V DC)
Battery Life: Alkaline batteries: approx. 30 hours, Nickel-metal hydride batteries: approx. 25 hours *** Depending upon usage and conditions**
Dimensions (WxDxH): 70 x 20 x 98 mm (2-3/4" x 3/4" x 3-7/8")
Weight: 69 g (2.4 oz) without batteries
Accessories: Stereo Earphones, Owner's Manual (this booklet)

**** Specifications and appearance may change without notice.***