



YAMAHA

Make Waves

SILENT BrassTM

Experience the Evolution of **SILENT BrassTM**

You dream to be rid of that stuffy mute,
and play the way you want to play...

The Next Generation SILENT Brass™ Delivers, Offering
Greater Playing Enjoyment, Anytime, Anywhere.

You want to play when and as you like,
without being confined to time or place...

Yamaha's next generation SILENT Brass™
makes it happen.

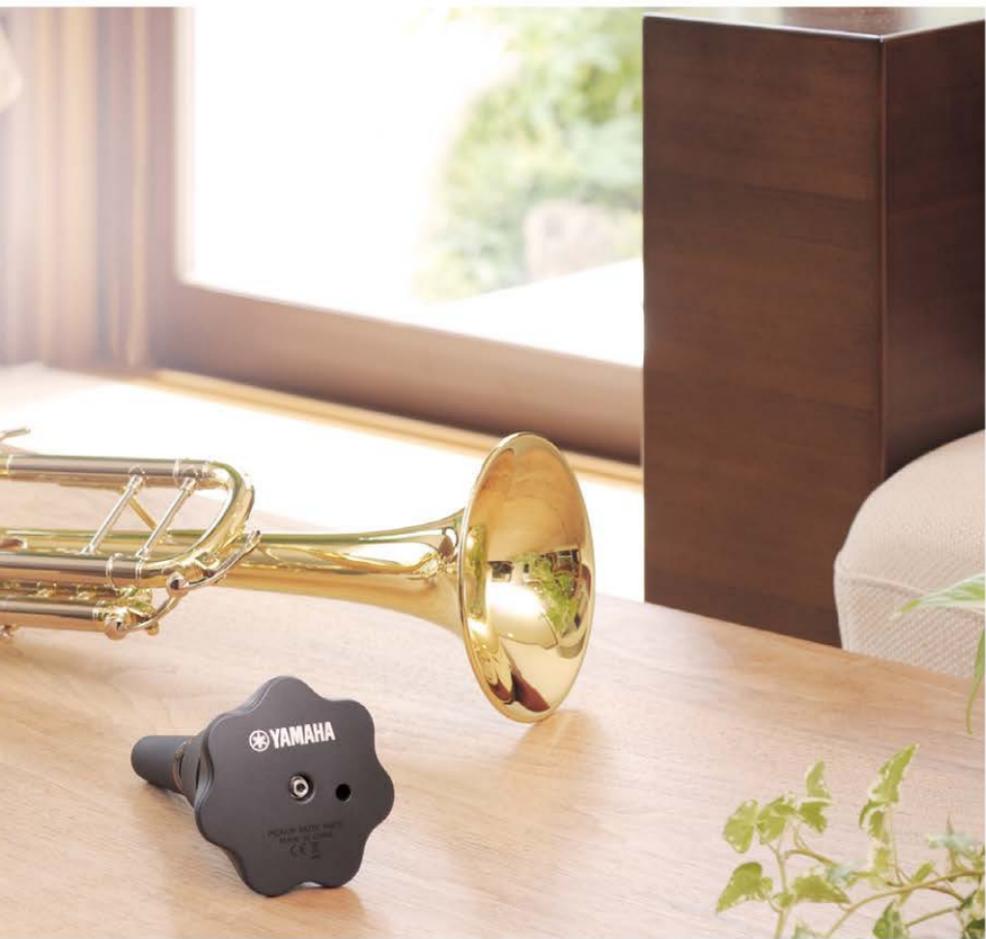
The new SILENT Brass™ consists of a smaller,
lighter, freer blowing Pickup Mute™, and the
Personal Studio™, which features Yamaha's
exclusive Brass Resonance Modeling™.

Used together, the two deliver the natural
acoustic tone you hear when playing without
a mute, making it feel as though you are
playing mute free. The only sound escaping
the mute is a whisper, but what you experi-
ence will let you play to your heart's content,
anytime, anywhere.

SILENT Brass™



SILENT Brass™, Personal Studio™, Pickup Mute™, Brass Resonance Modeling™
and SILENT Brass™ logo are all trademarks owned by the YAMAHA Corporation.





“Makes Playing More Enjoyable”

“My horn sat in its case for such a long time... but lately I’ve found some time to play. I pick it up and blow whenever I can, playing without restraint. The other day I tried playing that melody I loved so much... It’s all coming back to me now.”



Eliminates the Worry Of Disturbing Others

Compared to normal mutes, the SILENT Brass Pickup Mute has an extremely high muting capability that can reduce sound to 1/1000th of its original level. That’s a 30db reduction. While the headphones let you enjoy playing as you feel anytime, the sound that actually escapes from the mute is only a whisper.

“Capture Your Inspiration... As Quick As You Can”

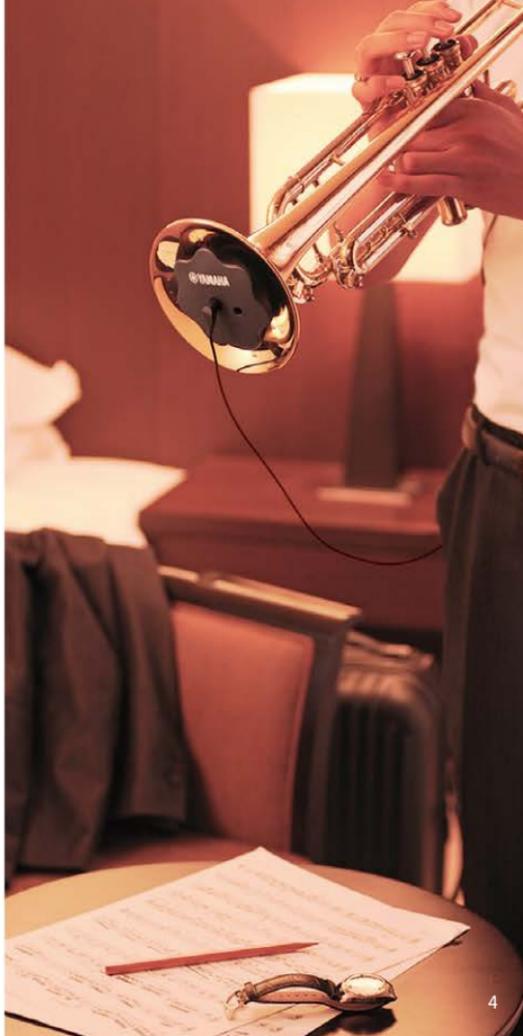
Those times you really want to play right away... when inspiration strikes... it's great being able to play as soon as possible. Now, even in the confines of a hotel room, you can experience playing freely in a concert hall, and listen to your imagination come alive.



Always Ready, Anytime, Anywhere

Smaller and lighter than previous models, these refined Pickup Mutes are more portable and easier to keep with your instrument at all times. Be prepared to perform with outstanding tone anywhere, at any time.

* With some instrument and mute combinations, the instrument will fit in a standard case with the mute attached. See the Yamaha web site for details.





This Is The Sound Your Ears Should Be Hearing

“Just practicing your fingers and lips... does it really bring you satisfaction?”
“It shouldn’t. You should be able to practice comfortably, with real tone, anywhere, anytime.”

Yamaha’s Brass Resonance Modeling delivers what brass players have longed for. This Yamaha original digital technology produces a truer, unmuted instrument tone by adding the characteristics of the acoustic environment through which the sound travels from the horn to the player’s ears. Fine-tuned with the cooperation of a great many players, the resulting sound delivers an overwhelming sense of reality.

The SILENT Brass Offers More Enjoyment

Connect the output from an audio player, smartphone, etc. to the AUX IN jack on the Personal Studio and enjoy playing along with your favorite recordings or “minus one” practice aids. The PHONES jack can also be used as an output jack for recording what you play.

* Do not use the AUX IN jack when using the PHONES jack as an output jack.

* Cable sold separately.

Personal Studio STX-2

Sound captured by the Pickup Mute is processed and delivered for output to the PHONES jack. The diagram below shows how the Pickup Mute and stereo earphones connect to the Personal Studio for use.

The STX-2 includes data for the PM1X Pickup Mute for Tuba and the PM2X Pickup Mute for Euphonium.

* Brass Resonance Modeling™ behave correctly only when compatible Pickup Mute™ PM1X/1X is connected to Personal Studio™ STX-2. STX doesn't include data of Tuba/Euphonium, it will not work correctly.



① MUTE IN Jack

This is where the Yamaha Pickup Mute connects to the Personal Studio. All you have to do is plug in a Pickup Mute that is compatible with Brass Resonance Modeling, switch on the power, and a setting optimized for the attached unit is automatically selected.



② AUX IN Jack

Connect an audio player or other such device here and jam along with an external sound source. Great for playing along with your favorite recordings or "minus one" practice aids.

* Cable sold separately.



③ PHONES Jack

This is where the earphones or a pair of headphones connect. You can also use this jack as an output jack for recording to an external device, etc.



④ Volume Control

Dial in a comfortable volume level for your earphones here.



⑤ Reverb Switch

Add reverb and listen to your sound come alive in the virtual environment of a large room or concert hall.



⑥ Power Switch

This is where you power up the Personal Studio.



⑦ Clip

Use the clip to attach the Personal Studio to a belt, clothing, etc (with strap hole).

The Secret to Realistically Natural Tone

The SILENT Brass features Yamaha's unique technology, "Brass Resonance Modeling" which uses the modeling of non-muted brass instruments to correct your instrument's tone when the Pickup Mute is in place. The resulting sound is so realistic, it's hard to tell whether the instrument is muted, or not.

Brass Resonance Modeling utilizes three simultaneous processes to produce realistic brass tone.

● Eliminate the "Mute" Sound

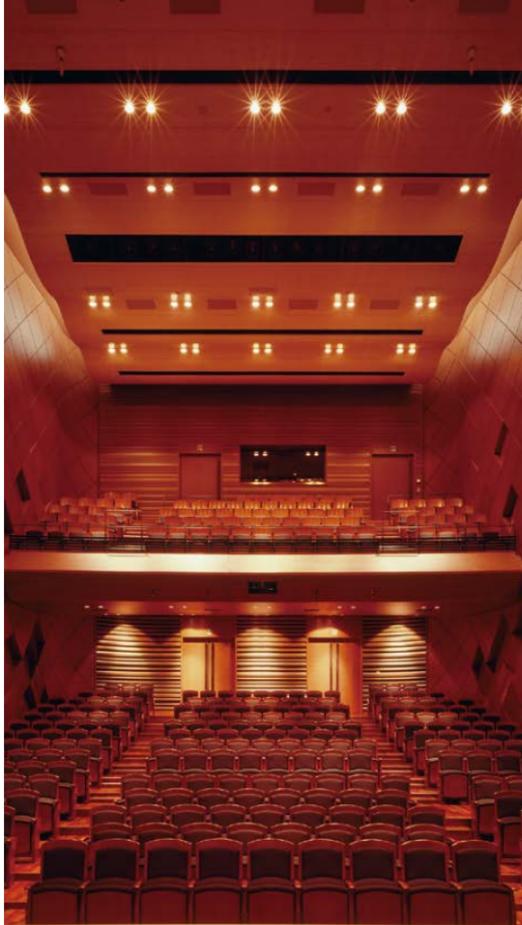
Digital processing applied to the sound received by the mute's microphone effectively cancels the sonic characteristics of the mute.

● Add Ambience

Another digital process brings back the natural sound of the un-muted instrument, and adds the characteristics of the acoustic environment through which the sound travels before returning to the player's ears, making it sound as if you were playing without a mute at all.

● Adjust Left/Right Balance

Digitally simulating how the sound returns to your ears—adjusting for the slight differences in volume, timbre, and delay between your left and right ears—and adding reverb constructs a virtual sound scape that makes it sound like you are playing in a large room or concert hall.



Pickup Mute

The Pickup Mute combines a high-performance mute with an internal microphone to pickup sound. Significantly smaller and lighter than previous versions, the mute offers superior muting performance, delivers excellent intonation over a wide pitch range, and natural playability.

* Please note that the Pickup Mute may not fit some instruments with significantly different bell shapes or bell diameters. Please check before purchasing.



● Easy To Attach And Remove

New mutes are designed to attach and remove smoothly and easily.



● Specially Designed Mini Microphone

Microphone performance, its mounting position, and the surrounding mute design were all optimized to bring out the full potential of Brass Resonance Modeling.

● Compact Size

- The PM7X for trumpet and PM5X for trombone feature compact designs that allow the instruments to be stored in their cases with the mutes attached.
- The distance the mute protrudes from the bell has been minimized, optimizing instrument hold and balance for fatigue-free playing.

* Yamaha tubas will not fit in the supplied hard case with the tuba mute installed.

* Depending upon instrument type and model it may not fit in some cases. Please check our web site for more information.

New models for Tuba and Euphonium

● Adjustable Rod

An adjustable rod allows the position of the mute head to be varied to achieve the desired pitch response and playing feel. Not only can the player adjust the mute to fit different bell sizes and match his or her own pitch and playing feel preferences, this capability allows the same tuba mute to be used with B \flat , C, E \flat , and F horns.

● Disassemble to Compact Size

The disassembled mute body halves can be stacked for compact storage.



Model Lineup • Specs

Compatibility	SILENT Brass (Set)	Pickup Mute (Sold Individually)
	Model	Model
Trumpet, Cornet	SB7X (PX7X + STX-2)	PM7X
Tenor Trombone, Tenor Bass Trombone	SB5X (PM5X + STX-2)	PM5X
French Horn	SB3X (PM3X + STX-2)	PM3X
Flugelhorn	SB6X (PM6X + STX-2)	PM6X
Euphonium	SB2X (PM2X + STX-2)	PM2X
Tuba	SB1X (PM1X + STX-2)	PM1X

- SILENT Brass (Set) accessories include a special cable, stereo earphones, manual.
- Pickup Mute (Sold Separately) accessories include a special cable, manual.

* The SB5X is not compatible with alto trombones or bass trombones.

* Some models can only be used with marching brass while seated.

* The SB2X cannot be used with alto horn (tenor horn) and baritone.

* The PM1X for tuba features an adjustable rod that allows the mute head to be positioned for optimum performance with B, C, E, and F horns.



STX-2

PM7X

PM6X

PM5X

Personal Studio Specifications

Jacks and Terminals	MUTE IN AUX IN PHONES
Control	Reverb (Rev1/Rev2), Volume
Power Supply	AA alkaline or nickel-metal hydride batteries x 2 (not included)
Dimensions (W x D x H)	70mm x 20mm x 98mm
Weight	69g without batteries

- STX-2 (Sold Separately) accessories include a stereo earphones, manual.



PM3X



PM2X



PM1X

Pickup Mute Specifications

Model	PM7X	PM6X	PM5X	PM3X	PM2X	PM1X
Dimensions(diameterx length)	82 x 139mm	129 x 143mm	129 x 220mm	129 x 216mm	210 x 395mm	335 x 695mm
Weight	70g	130g	155g	195g	750g	1800g

Please Note The Following Before Using

For proper use, please read the “manual” thoroughly before using.

Please Note

● In some cases, the Pickup Mute may not fit instruments that have significantly different bell diameters and/or shapes. Please check before purchasing. ● The Pickup Mute is not compatible with Marching Brasses, Alto(Tenor) Horns, or Baritones. ● The SILENT Brass mute for Trombone (SB5X) and the Pickup Mute (PM5X) are not compatible with Alto Trombones or Bass Trombones. ● SILENT Brass mutes for Flugelhorn (SB6X) and Pickup Mute (PM6X) protrudes 3-4 cm from the bell. ● For information on compatibility with Yamaha brass instruments and cases please refer to the information provided on our web site. ● Always remove the Pickup Mute from the instrument if the instrument is to be stored for an extended period of time. ● Audio output is optimized for use with stereo earphones. Connecting any other device may result in inferior audio quality. ● Brass Resonance Modeling is only available when the PM7X/6X/5X/3X Pickup Mute is used with the STX/STX-2 Personal Studio, or the PM1X/2X Pickup Mute is used with the STX-2 Personal Studio. ● AA batteries are not supplied. Please purchase separately. ● SILENT Brass™, Personal Studio™, Pickup Mute™, Brass Resonance Modeling™, and SILENT Brass™ logo are all trademarks owned by the YAMAHA Corporation.

SILENT Brass products have been acclaimed for their design



iF Design Award 2014
(organized by Industrie Forum
Design Hannover, Germany)
“Product Design Award”



reddot award 2014
winner

Red Dot Award
(organized by Design Zentrum
Nordrhein Westfalen, Germany)
“Product Design Award”



Design for Asia Award
(organized by Hong Kong
Design Center)
“Grand Award”

For more information on the new **SILENT Brass** ...

Search

<http://www.yamaha.com/silentbrass/>



German Design Award
2016 "Winner"



JIDA DESIGN MUSEUM
SELECTION VOL.17 SELECTED

JIDA Design Museum Selection
(organized by Japan Industrial Designers' Association)
2015" VOL.17 Selected Product"



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