



# MUSASHI - ACTIVE BASS PREAMP WITH A 3-BAND EQ NITORYU 2.0 - STEREO HEADPHONE AMPLIFIER + AUX INPUT

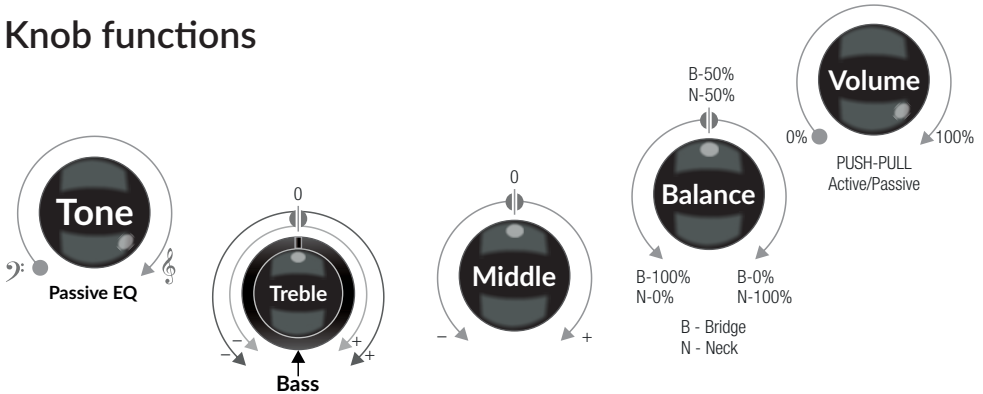


## Quick Start Guide

Your new Mayones bass now features **Musashi active onboard preamp with a three-band EQ** developed at Mayones, based upon years of R&D and consulting efforts, involving leading musicians all around the world. The preamp provides the user with a broad adjustment range in the low, mid, and high frequencies, while the operation profile is optimized for bass pickups.

The whole system of electronics features many **unique solutions** boosting the levels of instrument functionality. The presence of an embedded **Nitoryu 2.0 stereo headphone amp with stereo AUX input** is one of the key features as such. It allows the user to plug in a signal coming from an external device, such as a smartphone.

## Knob functions



- Volume** – Pickups volume adjustment for preamp and headphone amp (push-pull function for active/passive mode)
- Middle** –  $\pm 13$  dB cut and boost at 730 Hz (default setting)
- Treble** –  $\pm 20$  dB cut and boost at 18 kHz
- Bass** –  $\pm 14$  dB cut and boost at 22 Hz
- Balance** – Signal blender, between the two pickups
- Tone** – True passive tone control (works in active and passive mode)

## Switching the Preamp Power On

The power switch is integrated with the 1/4-inch output jack. The preamp is turned on once the user plugs in the 1/4 inch jack to the input socket, and this is also signaled by a blue LED being turned on, on the backplate, designated **ON**.



## Plate with two 1/8 inch inputs – Stereo Headphone Amp

It includes PHONES output, and an extra stereo line input (AUX IN). That elevates the levels of instrument usability and allows one to play the bass with its true tone virtually anywhere, without disrupting anyone's peace of mind. One should note that the output signal of the Musashi Nitoryu preamp is sent to the headphone amp input. For the active setting, the EQ will have an impact on the tone one hears in the headphones.



The headphone amp can only work with stereo headphones fitted with a 1/8" (3.5 mm) TRS jack plug. Headphones with impedance ranging from 16 to 64 Ohms are acceptable. In the case of stereo headphones with a different plug, a proper adapter shall be used. Headphones and adapters shall be purchased separately. One shall not use mono (TS jack) headphones or headphones with an embedded microphone with a 1/8" (3.5 mm) jack with this instrument. OMTP, CTIA, or similar TRRS jack plugs are also not usable with this bass.

## AUX In - Line Input

This 1/8-inch stereo jack is used to plug in a line-level stereo input, from an external source - a smartphone, tablet, CD player, metronome, and so on.

## How to Switch the Headphone Amp On?

The headphone amp is turned on after headphones are plugged into the 1/8" (Phones) stereo out. The "on" status for the headphone amp is signaled by a blue LED on the backplate - designated "ON".

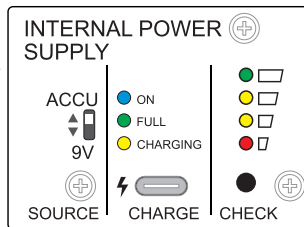
*Note: The headphone amp works regardless of whether the instrumental cable is connected to the output 1/4" jack.*

## Built-in Battery, Charging Indicators and Battery Meter

The battery charge level can be checked with the use of a meter on the backplate. The meter includes four LEDs and a CHECK button that allows for momentarily checking the battery charge levels. After pressing that button, depending on the charge level, one, two, three, or all four LEDs would light up.

## Battery Charging

To charge the internal battery, use the supplied charger. The USB type C charging port has been placed next to the LED controls on the electronics cover, on the backside of the instrument. After the charger is plugged into the USB type C charging port and the mains socket, the charging process begins and the the first yellow LED (CHARGING) lights up. When the battery is fully charged, the yellow charging LED switches off other green LED (labeled FULL) lights up.



## Alternative Power Source - 9V Battery (only preamp)

The Musashi preamp may also be powered by a typical 9V alkaline battery (6LR61 or 6F22). One should emphasize that solely the preamp can be powered with the use of a 9V battery. In such a case, there is no option of using the headphone amp. The 9V battery compartment is located in the back, next to the electronics cover. When a 9V battery is used, the power source should be switched manually. For that purpose, a mini slide switch is used - placed on the electronics cover, designated SOURCE. The switch has two positions, an upper one (ACCU), and a lower one (9V).

## Important Usage Information on the Li-Poly / Li-Ion Battery

The product uses a lithium polymer cell. This type of battery is safer than its Li-Ion counterparts since the risk of electrolyte spilling has been eliminated.

- The cells may explode or release toxic substances into the environment. There is a risk of fire or burns. Do not open, crush, modify, dismantle, burn or heat the batteries above 60°C (140°F).
- Never charge the conventional non-rechargeable batteries. The batteries can explode or the electrolyte may leak out causing fires, damage, or injury.
- When installing the battery, take close notice of the polarity (plus/minus [+/-]) and install it accordingly in its compartment. Reversed position of the battery may lead to an explosion or leak of the electrolyte, causing fire, damage or stains around the battery.
- When storing or disposing of the batteries, secure the battery terminals with electrical tape or similar means of protection, to make short-circuit impossible (involving other cells or metal objects).
- When disposing of cells that have been worn out, follow the recommendations on them, general recommendations, and the general law regulations in force.
- Do not use any other cells than the one specified in the present manual. In any other case, there is a risk of fire or electrolyte leakage. This may lead to a fire, damage, injury, or emergence of stains around the battery.
- Do not store the batteries together with small metal objects. These objects may cause a short-circuit, thus creating electrolyte leak, explosion, or other issues.
- Do not heat up or dismantle the battery cells. One should not throw the cells into the fire or water. This could potentially lead to leakages, explosion, cause fire or cause injuries or damage, or stains around the batteries.
- If electrolyte leak occurs, carefully remove the battery cell from the compartment, before inserting a new one. If the electrolyte enters your eyes, it may cause sight loss. In cases as such, you should immediately rinse your eyes with a major quantity of clean water, without rubbing the eyes, and then you must contact a doctor immediately. If the electrolyte gets in contact with skin or clothes it may cause skin damage or burns. Should this happen, wash the irritated area of the skin with a large quantity of clean water, then consult your doctor.
- When inserting or replacing the battery, unplug the instrument from any other device.
- If you plan not to use the instrument over a longer period, please remove the battery cell. In extreme cases it may explode, the electrolyte may leak out, fire or damage may occur, or stains may be formed by the leak.

## LISTENING TO THE SOUND AT LOUD VOLUMES MAY LEAD TO A PERMANENT HEARING DAMAGE. THE VOLUME SHOULD ALWAYS BE SET TO THE LOWEST USABLE LEVEL.

Exposure to loud sounds over a long period may lead to hearing damage and permanent hearing impairment. According to the general recommendations, we'd like to ask you to follow the values listed below, when it comes to maximum time one may spend in locations with a specific sound level.

Following those recommendations is not expected to result in hearing damage.

- 90 dB SPL - Up to 8 hours
- 95 dB SPL - Up to 4 hours
- 100 dB SPL - Up to 2 hours
- 105 dB SPL - Up to 1 hour
- 110 dB SPL - Up to 30 minutes
- 115 dB SPL - Up to 15 minutes
- 120 dB SPL - avoid levels so high, risk of loss of hearing occurs

Find more information on guitar operation and maintenance and solving basic problems on our website [www.mayones.com](http://www.mayones.com).

Mayones Guitars and Basses care constantly about the quality of their instruments and release their newer and upgraded versions, as well as search for the best possible building materials.

All parts of the instruments are RoHS compliant.

All content including specifications, data, and illustrations in this manual are subject to change without prior notice.

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The full version of the user manual can be downloaded at: [www.mayones.com/musashi](http://www.mayones.com/musashi)



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