

Thank you for purchasing a **JF Audio** product! Your amp has been carefully hand-made in Italy, using only the best parts available. It is our hope that this amp will become a mainstay of your rig for many years to come.

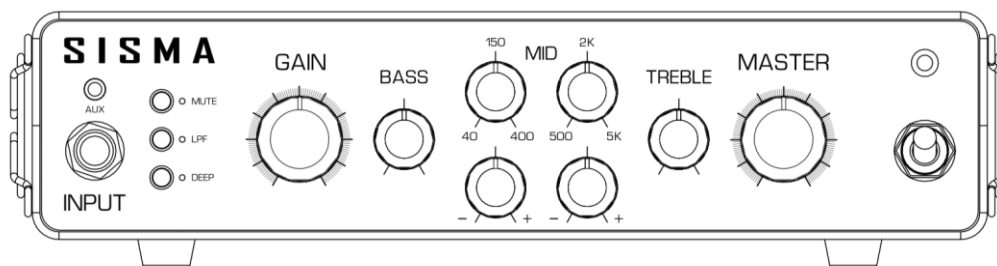
With this document, **JF Audio** ensures you a life-time warranty against defects in materials and workmanship; external parts like pots, jacks and switches have a 24 months warranty. In the event that your product becomes damaged, contact **JF Audio** and you will receive instructions on how to go about having your amp repaired.

SISMA

SISMA BASS AMP

The SISMA is a powerful, compact, bass amp featuring a traditional voiced tube preamp and passive tone stack, paired with active semi parametric eq and a Class G transistor power amp fed by our proprietary switching power supply.

FRONTPANEL CONTROLS & FEATURES



INPUT This 1/4" (6.3mm) jack is the mono instrument INPUT, connect your bass (or mono source) here! The signal will be processed by the preamp and will be present at DI out, SEND, LINE OUT, PHONES and SPEAKER OUT. Input impedance is 2.2 MOhm.

AUX This 1/8" (3.5mm) jack is ready to be fed by an external source like a mp3 player. The stereo signal is summed in mono and amplified with a fixed gain. Overall volume is controlled by the MASTER control. The signal will be present at PHONES out and SPEAKER OUT (but not at DI out).

MUTE Mutes the signal. You can still use the PHONES out for silent practice.

LPF This switch activates a low pass filter that gently cuts the very high frequencies of the signal, think of it as taming the tweeter sound of your bass cabinet. This filter helps in cutting some unpleasant sounds when using high gain levels, its tailored to be used also with a clean sound without making it dull or dark. When using it with certain instruments (old school dark basses) or cabinets (sealed or tweeter-less) it may seem that this control does not do anything, this is because the curve is gentle enough not to mess with your core sound.

DEEP This switch provides a perfectly tailored bottom-end boost. The enhancement has been tested to be just the right amount of musical bass response, adding fatness without mud.

GAIN This logarithmic pot controls how much of the first tube stage goes into the second tube stage. You can start around noon and turn counter-clockwise for a clean and fast sound or clockwise for a more fat sound. High gain settings result in a pleasant

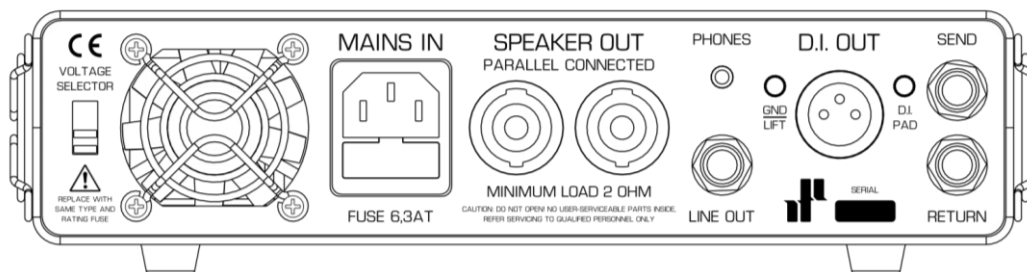
overdriven sound. The tube (1x12AX7) preamp circuit is fed by 200V by our switching power supply and it's based on the iconic design of the B15, modded to our taste.

BASS & TREBLE We choose to use an old school passive design for the bass and treble eq. This is traditionally referred as a baxandall or James style eq. And its a popular style of eq found in American tube amps. You can experience a "flat" curve when controls are around noon and then boost or cut frequencies. These controls operate on a very broad frequency range and sound very organic and musical. Use them without fear of messing with your tone.

MID EQ We provided the SISMA with a hi-quality, two bands, active semi-parametric eq. Bells are tailored for each band taking inspiration from American style studio consoles for a natural sound without a "notched/wha-wha" effect. The first band covers from 40Hz to 400Hz and the second from 500Hz to 5 KHz.

MASTER This logarithmic pot controls the overall volume of the SPEAKER OUT. We tailored it to be useful in all it's curve but beware: the SISMA can be a very loud amp so start with a low setting.

REAR PANEL CONTROLS & FEATURES



VOLTAGE SELECTOR This switch allows the amp to be used with international voltages (115-230). The amp is shipped to the new owner with the switch set correctly, accordingly to the country indicated in the address. It's very important NOT to mess with this control. If you travel the world with your SISMA please remind to set the switch to the right voltage **BEFORE** turning it on. The SISMA is internally protected by a series of circuits designed for a safe operation, even from an event of voltage mismatch, but permanent damage, not warranty covered, could occur.

REAR FAN This fan is always on, operating in the most silent way for standard internal air-cooling.

MAINS IN Connect here the power cable provided. If your country needs a different outlet plug, use a high quality cable (1mm or 0.75mm core). Internal circuits are designed to prevent inrush current, a problem we had experienced with big transistor amps of the past.

SPEAKER OUT Connect your speakers here, using these combo outputs (1/4"- Speakon). The minimum load is 2 Ohms. Always provide open ventilation around the amp, if you ordered a rackmount unit please leave one space empty over it. Power rating is **350W** at 80hm, **700W** at 40hm, **950W** limited at 20hm.

PHONES We designed a studio quality, dual mono, transistor class A phones amp for this output. It's powerful enough to drive professional studio headphones.

LINE OUT It's an unbalanced copy of the DI output signal. It can be used to combine the preamp section with another power amp in case you need it as a *slave unit* or simply to achieve a different sonic character. It can be used also as an always-on tuner out when using the SISMA in a rack mount system.

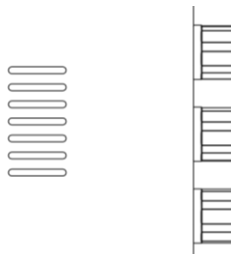
D.I. OUT This XLR output is fully balanced and routed after the GAIN and EQ, pre MASTER. It's fully protected from phantom power. You can use the SISMA for silent recording, without connecting any speaker. DI volume is not affected by the MASTER control.

GND/LIFT This switch eliminates or reduces unwanted hum or noise in the DI signal by interrupting the ground loops between equipment.

DI PAD This switch lowers the DI signal to help coupling with a mixer or soundboard in the event the signal gets to hot after gain and eq stages.

SEND/RETURN This effects loop is wired in series. SEND can be used as an unbalanced output without interrupting the signal. RETURN can be used to bypass the preamp section and go straight into the SISMA power amp, even with your passive instrument (it's buffered).

TOP PANEL



The grill exposing the tube hides two led lights ready to give the player a quick feedback in case of amp failure.

GREEN LIGHT is for thermal protection. SIDE FANS are triggered by thermal variations in the power amp. For a studio/home use it's absolutely normal that they won't start. FANS will work in incremented steps following the internal temperature. In case of thermal protection the signal going to the speaker will be paused till the heat will be dissipated. DI output will be still operating normally.

RED LIGHT indicates a failure in the power amp section. This protection mechanically ends the signal going to the speakers and interrupts the power supply to the power amp. DI output will be still operating normally in case of a power amp failure. Internal and external fuses, mechanical switches and protecting circuits are designed to guarantee safety according to the highest standards. In the event of a red light code it's ok to turn the amp off and then on again, if the light is still on then contact Jad Freer for assistance.

The SISMA is a work of love and dedication, conceived and hand-made by the JF AUDIO team for you to make music (and make your life easier). Now connect a mono source to the INPUT jack and enjoy the amp!

Show your love for Jad Freer Audio, follow us on FB and IG and tag your #JFSisma to get reposted!

 JAD FREER AUDIO  JAD.FREER

Date

Serial Number

Signature
