

The warranty does not exclude or limit the buyer's statutory rights provided by national law, in particular, any such rights against the seller that arise from a legally effective purchase contract. The warranty regulations mentioned herein are applicable unless they constitute an infringement of national warranty law.



Technical specifications and appearance are subject to change without notice. The information contained herein is correct at the time of printing. The names of companies, institutions or publications pictured or mentioned and their respective logos are registered trademarks of their respective owners. Their use neither constitutes a claim of the trademarks by Jet City Amplification® nor the affiliation of the trademark owners with Jet City Amplification®. Jet City Amplification® accepts no liabilities for any loss, which may be suffered by any person who relies wholly, in part upon any description, photograph or statement contained herein. Colors and specifications may vary slightly from product. Products are sold through Authorized Re-Sellers only. Distributors and dealers are not agents of Jet City Amplification and have no authority to bind Jet City Amplification by any expressed or implied undertaking or representation.

Protect Your Hearing!

The US Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1.5	102

JET CITY AMPLIFICATION
JCA20H

OWNER'S MANUAL



- **DANGER: RISK OF ELECTRIC SHOCK, DO NOT OPEN**
- **ATTENTION: RISQUE DE CHOC ELECTRIQUE!
NE PAS OUVIRIR!**
- **ACHTUNG: STROMSHLAG GEFÄHRDUNG, NICHT
AUFMACHEN!**

CAUTION: To reduce the risk of electric shock, do not remove cover or open rear panel. No user serviceable parts inside: refer handling to qualified personnel.

WARNING: To reduce the risk of fire or electric shock, do not expose this amplifier to rain or moisture.

- In an inspection of the product by Jet City Amplification shows that the defect in question is not covered by warranty, the inspection costs are payable by the customer.
- Products, which do not meet the terms of the warranty, shall be repaired exclusively at the buyer's expense. Jet City Amplification will inform the buyer of any such circumstance. If the buyer fails to submit a written repair order within six (6) weeks, Jet City Amplification shall return the unit to the customer C.O.D with an invoice that will include charges for the inspection and a separate additional charge for freight and packing costs. Such costs will also be billed separately when a customer has sent in a unit for repair with a written repair order form.

5 Warranty Transferability

This warranty is extended exclusively to the original buyer (customer of the retailer) and is not transferable to anyone who may subsequently purchase the product. No other person (retailer, consumer, etc) shall be entitled to give any warranty promise on the behalf of Jet City Amplification.

6 Claims for Damages

Failure of Jet City Amplification to provide proper warranty service shall not entitle the buyer to claim (consequential) damages. In no event shall the liability of Jet City Amplification exceed the invoiced value of the product.

7 Other Warranty Rights And National Law

- Warranty services will not be furnished if the product is not returned with the original sales receipt.
- Tubes and loudspeaker drivers are considered maintenance items and are excluded from all warranty claims.
- If the product needs to be modified or adapted in order to comply with technical or safety standards on a national or local level, in any country which is not the country for which the product was not originally developed and manufactured, this modification/adaptation shall not be considered a defect in materials or workmanship. This warranty does not cover any such modification/adaptation, irrespective of whether it was executed properly or not. Under the terms of this warranty Jet City Amplification shall not be held responsible for any cost resulting from such a modification/adaptation.

Warranty Regulation / Exclusions (Continued)

- Free inspections and maintenance/ repair work are expressly excluded from this warranty, in particular, if caused by improper handling of the product by the user. This applies to defects caused by normal wear and tear of items such as knobs, tolex® and similar parts.
- Damages caused by the following conditions are not covered by warranty:
- Improper handling, neglect or failure to operate the unit in compliance with the instructions given in the Jet City Amplification user manual.
- Connection or operation of the unit in any way that does not comply with the technical or safety regulations applicable in the country where the product is used.
- Damages/defects caused by force majeure or any other condition that is beyond the control of Jet City Amplification
- Any repair or opening of the unit by unauthorized personnel (user included) will void the warranty.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the following document.

IMPORTANT SAFETY INSTRUCTIONS:

1. Read and keep these instructions
2. Heed all warnings and follow all instructions
3. Do not operate near water
4. Clean only with a dry cloth
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
6. Do not install near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
7. Protect the power cable from being walked on or pinched at the plugs, convenience receptacles, and the point where they exit the unit.
8. Do not defeat the safety purposes of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the outdated/obsolete outlet.

9. Use only attachments/ accessories specified by the manufacturer.
10. Unplug the amplifier during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power cable or plug damage, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CONGRATULATIONS!

You have just purchased the tone that has been, until now, financially out of reach to most of us for years!

Your JCA20H was designed by a world renowned tube amplifier guru Mike Soldano, in SEATTLE WASHINGTON, and meticulously assembled to assure that it meets the highest quality standards and value for your hard earned and hard spent money!

Whatever your musical taste may be, you will enjoy the versatility, portability, and long-term durability of this kick ass, tube driven, rock tone factory.

Thank you for purchasing a JET CITY AMPLIFICATION product.

- constitutes an improvement, Jet City Amplification may, at its discretion, charge the customer for these parts.
2. If the warranty claim proves to be justified, the product will be returned to the customer freight prepaid.
3. Warranty claims other than those indicated above are expressly excluded.

3 Return Authorization Number

- To obtain warranty service, the buyer (or his authorized dealer) must call Jet City Amplification or Authorized Jet City Amplification Distributor (current list and contact information can be found at www.jetcityamplification.com) during normal business hours before returning the product.
- All inquiries must be accompanied by a description of the problem. Jet City Amplification will then issue a Return Authorization Number (RA Number).
- Once the RA Number has been obtained, the product must be returned in its original shipping carton. The return Authorization Number must be printed clearly on the shipping label on the outside of the box, and included with the returned product. Both the product in its original package and the Return Authorization Number must be shipped to the address indicated by Jet City Amplification at the time the call is made.
- Shipments without prepaid freight will not be accepted.

4 Warranty Regulation / Exclusions

"All the good music has already been written by people with wigs and stuff." - Frank Zappa

WARRANTY

1 Register Your Product Online

Please visit www.jetcityamplification.com within 30 days from the date of purchase as listed on the buyer's receipt to register your product. Doing so will enable you to receive the most current information about our company and products, directly from Jet City.

2 Warranty

1. Jet City Amplification warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of one (1) year from the original date of purchase, in accordance with the warranty regulations described below. If this product shows any defects within the specified warranty period that are not excluded under this warranty as described in section 4, Jet City Amplification shall, at its discretion, either replace or repair the product using suitable new or reconditioned parts. In the case in which other parts are used which

"They were still booing him when we came on stage." - David St. Hubbins, Spinal Tap

BEFORE YOU ROCK

Back to some serious stuff rock boy or rock girl. Before operating your JCA20H please make sure of the following:

- Check to make sure that the speaker is properly plugged into one of the two speaker jacks located on the rear panel.

WARNING: If a speaker or suitable "dummy load" is not plugged into the speaker jack, output transformer failure will occur. OUCH! This is not good and NOT covered under warranty.

- Plug your guitar into the input jack on the front panel.
- Set the volume control to zero.
- Plug the power cable into the back panel and plug the cable into a power receptacle. Turn on the power switch on the amplifier and wait about 30 seconds for the tubes to warm up.
- Turn up your volume switch on your guitar and impress your friends with your amazing new tone.

“When buying a used car, punch the buttons on the radio. If all the stations are rock and roll, there’s a good chance the transmission is shot.” Larry Lujack – Chicago DJ

GENERAL OPERATION

The JCA20H is a single channel amplifier and does one thing really well...it sounds good. Since it is a single channel amplifier it is easy to operate. Here’s a general overview and some suggestions for easy operation.

- **PREAMP:** Adjust the amount of gain (distortion) that the amplifier produces. The higher the preamp setting the more overdriven the sound will be.
- **BASS, MIDDLE and TREBLE:** allow you to control the tone.
- **VOLUME:** will let you adjust how loud the amplifier will sound.
- **PRESENCE:** adds an overall brightness, which can be handy when trying to cut through in a ‘dead’ room.

The JCA20H offers a far wider range of gain than most amplifiers in its class. Its tonal character stretches from glassy

clean, to gritty edge, to modern high-gain. Please experiment with your amp until you find the tone that suites your musical styles and tastes.

“Among God’s creatures two, the dog and the guitar, have taken all the sizes and all the shapes, in order not be separated from the man” – Andre Segovia

AMPS, SPEAKERS AND IMPEDANCE

The JCA20H is designed for a 16ohm speaker. You may also operate this amplifier in conjunction with additional speaker cabinets. An 8ohm or 16 ohm speaker cabinet will work fine with the JCA20H, but we do not recommend using a 4ohm cabinet.

QUICK SETTINGS FOR SELECTED TONES

- **CLEAN SETTINGS:** Set the VOLUME to 9 to maximize the amplifiers extended headroom. Now simply use the PREAMP control to achieve the desired tone and volume.
- **HIGH GAIN SETTINGS:** Initially, the VOLUME should be set to a low level (somewhere between 3-5) and the PREAMP turned up to give the desired gain and distortion. Then return to the VOLUME control to set the desired loudness.
- **REMEMBER TO EXPERIMENT:** This is how you will get the most out of your new amplifier.

1.0	105
0.5	110
0.25	115

According to OSHA, any exposure in excess of the above permissible limits could result in hearing loss. Ear plug protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high pressure sound levels such as this amplification system be protected by hearing protection while this unit is in operation.



