Bad Cat



COUGAR 5

OWNERS MANUAL

FRENCH

Danger

L'exposition a des niveaux eleves de bruit peut provoquer une perte permanente de l'audition, Chaque organisme humain reagit differemment quant a la perte de l'audition, mais quasiment tout le monde subit une diminution de l'acuite auditive lors d'une exposition suffisamment longue au bruit intense. Les autorites competentes en reglementation de bruit ont defini les expositions tolerees aux niveaux de bruits:

DURE EN HEURES PAR JOUR	8	6	4	3	2	1
INIVEAU SONORE CONTINU EN dB	90	93	95	97	100	103

Selon les autorites, toute exposition dans les limites citees ci-dessus,peuvent provoquer certaines pertes d'audition. Des bouchons ou protections dans l'appareil auditif ou sur l'oreille doivent etre portes lors de l'utilisation de ce systeme d'amplification afin de prevenir le risque de perte permanente de l'audition, Dans le cas d'expositions superieures aux limites precitees il est recommande, afin de se premunir contre les expositions aux pressions acoustiques elevees potentiellement dangeureuses, aux personnes exposees aux equipements capables de delivrer de telles puissances, tels ce systeme d'amplification en fonctionnement, de proteger l'appareil auditif.

ATTENTION

RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR.

ATTENTION: AFIN DE LIMITER LE RISQUE DE CHOC ELECTRIQUE, NE PAS ENLEVER LE CHASSIS. NE CONTIENT PAS DE PIECES POUVANT ETRE REPAREE PAR L'UTILISATEUR. CONFIER LE SERVICE APRES-VENTE AUX REPARATEURS AGREES.

CE SYMBOLE A POUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE DE VOLTAGE DANGEREUX NON-ISOLE A L'INTERIEUR DE CE PRODUIT QUI PEUT ETRE DE PUISSANCE SUFFISAMMENT IMPORTANTE POUR PROVOQUER UN CHOC ELECTRIQUE AUX PERSONNES.

CE SYMBOLE A POUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE D'INSTRUCTIONS D'UTILISATION ET DE MAINTENANCE DANS LES DOCUMENTS FOURNIS AVEC CE PRODUIT.

AFIN DE REDUIRE LES RISQUÉ D'INCENDIE ET DE DECHARGE ELECTRIQUE, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE.

IMPORTANTES INSTRUCTIONS DE SECURITE

1. Lire avec attention toutes les recommandations et précautions d'emploi avant d'utiliser ce produit.
2. Toutes les recommandations et précautions d'emploi doivent être conservées afin de pouvoir s'y reporter si nécessaire.
3. Lire et comprendre tous les avertissements énumérés dans les précautions d'emploi.
4. Suivre toutes les précautions d'emploi pour utiliser ce produit.
5. Ce produit ne doit pas être utilisé près d'eau, comme par exemple baignoires, éviers, piscine, sous-sol humides ... Etc.
6. Utiliser exclusivement un chiffon sec pour nettoyer ce produit.
7. Ne bloquér aucune ouverture de ventilation. Ne pas placer le produit tout contre un mur ou dans une enceinte fernée, cela gênerait le flux d'air nécessaire au refroidissement.
8. Ne pas placer le produit près de toute source de chaeur telle que radiateurs, arrivées d'air chaud, fourneaux ou autres appareils générant de la chaleur (incluant les amplificateurs producteurs de chaleur) .
9. Ne pas négliger la sécurité que procure un branchement polarisé ou avec raccordement à la terre, Un branchement polarisé comprend deux fiches dont l'une est plus large que l'autre. Un branchement à la terre comprend deux fiches plus une troisième reliée à la terre. Si la fiche secteur fournie ne s'insert pas dans votre prise de courant. consulter un 'électricien afin de remplacer votre prise obsolète.
10. Protéger le cordon d'alimentation de tout écrasement ou pincement, particulièrement au niveau des fiches, des réceptacles utilisés et à l'endroit de sortie de l'appareil. Ne pas casser la fiche de terre du cordon d'alimentation.
11. Utiliser uniquement les accessoires spécifiés par le constructeur.
12. Utiliser uniquement avec le chariot de transport, le support, le trépied, la console ou la table spécifiés par le constructeur ou vendus avec l'appareil. Lors de l'utilisation d'un chariot, bouger avec précaution l'ensemble chariotlappareil afin d'éviter les dommages d'un renversement.



13. Débrancher cet appareil lors d'orages ou s'il n'est pas utilisé pendant une longue période.
14. Des précautions doivent être prises afin qu'aucun objet ne tombe et qu'aucun liquide ne se répande à l'intérieur de l'appareil par les orifics de ventilation ou n'importe quelle autre ouverture.
15. Pour toutes interventions techniques s'adresser à un technicien qualifié.L'intervention technique est nécessaire lorsque l'appareil a été endommagé de n'importe quelle façon, comme par exemple si le cordon secteur ou sa fiche sont détériorés,si du liquide a coulé ou si des objets sont tombés à l'intérieur de l'apparei1,si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
16. ATTENTI0N:Pour réduire le risque d'incendie ou de choc electrique ne pas exposer l'appareil à la pluie ou à l'humidité.
17. Quand la prise MAINS, au coupler, est utilisé pour la source d'alimentation êlectrique, il est conseillê de garder cette prise facilement accessible.

Welcome to the Bad Cat Family of Amplifiers
Congratulations and thank you for purchasing a professional tube amplifier from Bad Cat. This amplifier is designed from the ground up to provide the very best tones possible in a rugged, reliable package.

Caution
With a little care and caution, your Bad Cat amplifier should provide you with years of troublefree operation and enjoyment. Avoid damp areas and moisture during operation of the amp and in storage. Also avoid placement of beverages near or on the amp that could spill into the amp's chassis. Avoid tipping the amp, using it in unbalanced positions, or lifting it unassisted to awkward heights. A little common sense will go a long way in making sure the amp does what it's supposed to do: provide you with dependable operation and great tone on a consistent basis.

Grounding
Please check thoroughly that the ground tip on the power cord plug is connected to true ground prior to operation of your Bad Cat amp. Using unfamiliar junction boxes can cause potentially dangerous floating grounds. Do not cut or defeat the ground tip.

Maintenance
Your Bad Cat amp is a professional instrument that does not require much in maintenance. Use a clean dry cloth to wipe cabinet as required but avoid solvents of any type as they may tarnish or discolor the vinyl. If you're going to store the amp with a cover, please allow the tubes to cool before covering the amp. A cover cloth or vinyl amp cover will prevent dust buildup in the amp.

Weak or dull tones from your amp may indicate that the tubes are old or tired and need replacement. The tubes in your amp are like tires on your car. They do wear out. If you notice change in tone and tactile response from the amp, it's most likely that the power tubes needs to be replaced by an authorized technician. Preamp tubes will last much longer than power tubes, but these should also be checked occasionally. Preamp tubes tend to go microphonic and also produce undesired results when old or not working properly.

Operation
If this is your first all tube amplifier, please become familiar with a few issues that differentiate your amp from solid-state or hybrid amp products. Only a few precautions are required but they will insure that you will get the most of your amplifier. Vacuum tubes are thermal devices that require more attention than transistors, but that's the reason they sound so much sweeter and more musical than integrated circuits and other solid-state components. A little heads-up on following points will ensure maximum performance from your Bad Cat amp.

1. Place the amp at least 6 inches away from any wall or obstacle to provide good ventilation around the amp. Good airflow around the amp will go a long way in preventing the amp and the tubes from overheating. Do not place covers, clothing, or any other materials on or in the amp that can obstruct the free venting of the chassis to the outside air.

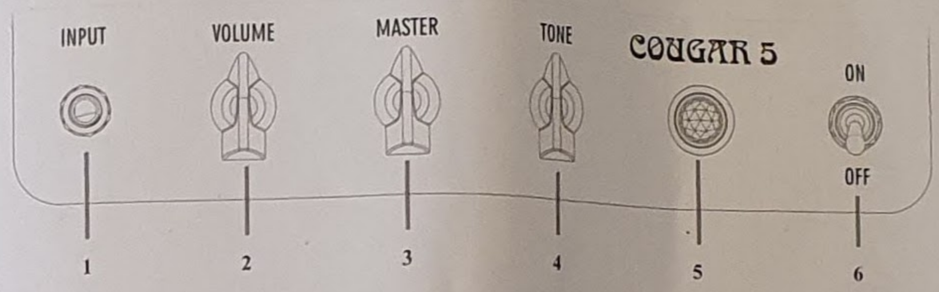
2. Vacuum tubes will last longer and sound more musical when they are allowed to warm up prior to introducing an input signal from your guitar. A full flow of electrons through the cathode can only be achieved with at least one minute of warm-up time before playing trough the amp.

3. Avoid long idle periods with no input signal. The vacuum tubes prefer a signal load. When taking a break between practice sessions or in between sets of a performance, use the standby switch to leave it on standby or turn off the amp.

4. Avoid unverified impedance loads. In other words, do not clip on or otherwise attach additional speakers unless you know the system impedance. Tube amplifiers are very sensitive to speaker impedance matching. This is due to the relationship between the internal resistances of the output transformer, the output power tubes and the load that is required to drive them. Unbalanced loads can cause destructive self-oscillation; the transformer and the tubes may actually burn out. This is not covered by our warranty. With proper impedance matching, multiple speaker configurations will work fine. If you are not familiar with "Ohm's Law", please consult with a dealer or a qualified amplifier technician. Do not attempt to operate the amp if you cannot verify system impedance after connecting the speakers. Never operate your Bad Cat amp at 2 ohms or less.

5. Avoid unapproved "Power Soak" devices or attenuators as these can shorten the life of your power tubes considerably. Attenuators burn out tubes prematurely because they require the power tubes to overwork continuously.

FRONT PANEL



1) Input Jack
This ¼" input is for plugging in your instrument. It is intended for guitar but will accept other instruments as well.

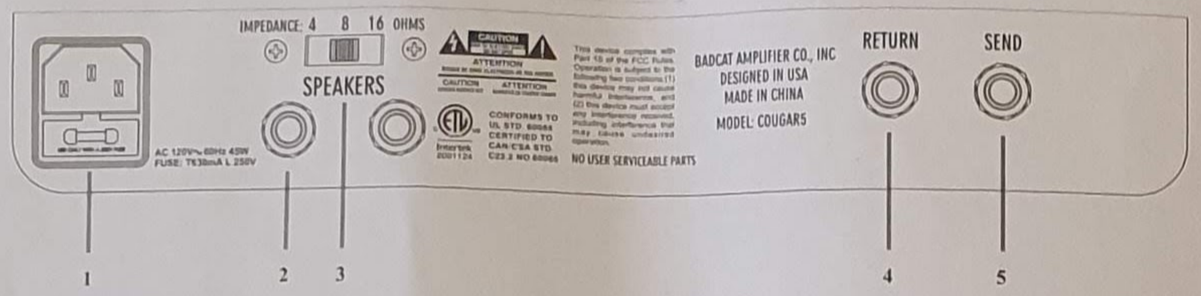
2) Volume
This control adjusts the gain at the input stage of the preamp. It is used in conjunction with the Master to dial in the desired amount of distortion and volume. For cleaner sounds, this control should be set to lower settings and the Master set higher for slight breakup. For heavier distortion, set the Volume higher and the Master lower.

3) Master
The Master control sets the overall volume of the amplifier and simultaneously tailors the tone controls based on the Volume & Master knob positions. When the Master is set higher, the tone is adjusted for a cleaner, "chimey" tone. When set lower, for more distortion, the tone controls adjust the low end for a tighter, thicker sound.

4) Tone
This control effects the overall balance of low and high frequencies. Turn to the left for a warmer, bass heavy sound. Turn to the right for enhanced treble frequencies and overall brightness.

5) Jewel Light
This light indicates the power switch is on and power is supplied to the amplifier.

6) Power On/Off Switch
This switch turns the amp on or off



REAR PANEL

1) AC Power Cord Receptacle: The AC power cord can be removed easily for storage and replacement if damaged. Insert the AC cord (provided) firmly into the AC receptacle. **NOTE: Replace the AC power cord if protective jacket is damaged or ground pin is damaged or removed.**

The fuse is located in a fuse tray just below the receptacle. Replace only with same type and size. For your convenience, a spare fuse is located inside the fuse tray toward the front. To replace fuse, remove AC power cord. Remove fuse tray by pulling the tab located above the fuse symbol away from the receptacle.

2) Speaker Jacks
These 1/4" jacks are provided to connect the internal and/or external speakers to the Cougar 5.
THE AMPLIFIER SHOULD NEVER BE OPERATED WITHOUT A SPEAKER PLUGGED INTO A SPEAKER JACK.

3) Impedance Switch
This switch is used to select the proper impedance based on the speaker or speaker cabinet you are using. Check the speaker label or the speaker cabinet input jack for the impedance in Ohms, and set this switch to match. If connecting multiple speaker cabinets, refer to Ohm's Law to calculate the proper impedance.
For example, two 8 Ohm cabinets would require the 4 Ohm setting.

Return & Send Jacks (Effects Loop)
4) Return—Use this 2-conductor, ¼-inch jack to connect to the output of an external effects processor or equalizer. This jack can also be used as a Power Amp In. (Note: This jack separates the preamp from the power amp. If using an external effect, the effect will be in series between the Effects Loop Send and Effects Loop Return. The amount of "dry" signal will be controlled by the external effect.)

5) Send—Use this 2-conductor, ¼-inch jack to connect to the input of an external effects processor or equalizer. This jack can also be used as a Preamp Out.

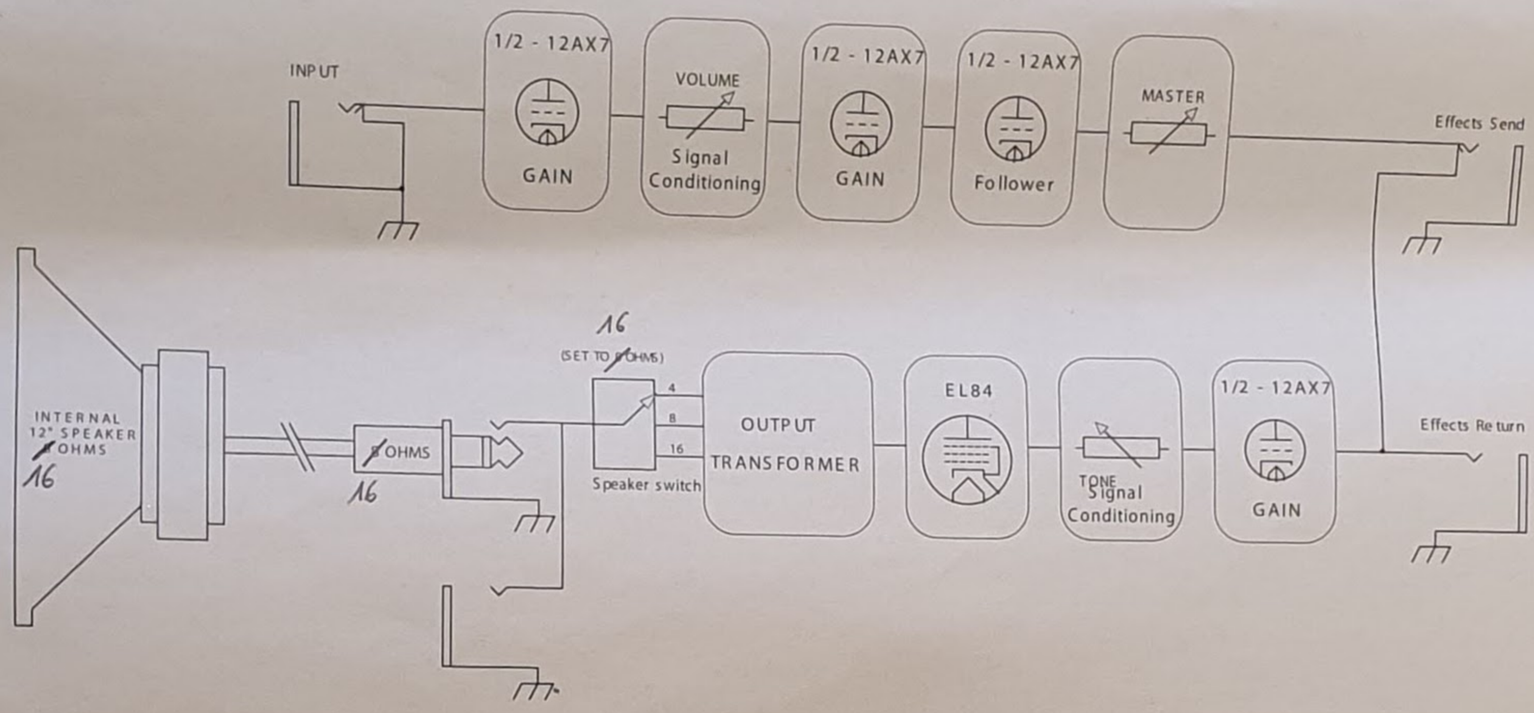
TROUBLE SHOOTING
Your new Bad Cat amplifier designed for many years of professional trouble free operation. If you notice any sever abnormalities in operation such as burning smell, smoke, etc., shut down the amp immediately. Always consult your Bad Cat dealer if you are unsure of the problems that you are dealing with.

No Power
Check the power source from the wall first. Make sure the power cord is properly seated at both ends. If there is still no power, check the fuse and replace if necessary with the correct rating

Weak Output Level
Verify the signal output from your instrument first. Check guitar's controls and that the cables are working properly. Also, check any effects pedals that may be connected in between the guitar and the amplifier.

Adverse Sounds-Hum, Whistle, Loss of Dynamics, Feedback, Howling
Check for frayed guitar cables, controls on your instrument, the guitar's pickups and any other devices that many be connected to your amplifier such as effects pedals or rack processors. Some of these devices are "amplifiers" in their own right with gain and boosted volume levels and they may cause hissing and unwanted feedback if set too high in front of the amp.

Bad Cat Cougar 5 Specifications		
Output Power	5 Watts - Class A	Impedance switch for 4 Ohm, 8 Ohm and 16 Ohm speakers
Input Jack	¼ inch	
Preamp Tube	(2) 12AX7 Preamp Tubes	
Power Tube	(1) EL84 Power Tube	
Speaker	12"	Celestion Vintage 30 (16 Ohms)
Power Requirements	USA/Canada	120VAC/60Hz, 45W
	Europe	230VAC/50Hz, 45W
	UK	230VAC/50Hz, 45W
	Australia	240VAC/50Hz, 45W
	Japan	100VAC/50-60Hz, 45W
Dimensions/Weight	cm/Kilogram	45.5 cm (height) x 43.5 cm (width) x25.5 cm(depth) 15 kg
	Inches/Pounds	17.9 (height) X 17.125 (width) X 10 (depth), 33 Lbs



Bad Cat Cougar Series

Bad Cat
c/o Hanser Music Group
Hebron, KY 41048 USA
(859) 817- 7100

LIMITED PRODUCT WARRANTY

WHO IS COVERED?

This Bad Cat Limited Warranty applies to the original retail purchaser and is fully transferable to any subsequent owner during the specified term of this warranty. The original purchase receipt is required for any warranty claims.

This Warranty applies only to products purchased in the United States by a U.S. resident. Products purchased by a consumer living outside the United States from a U.S. Bad Cat Dealer or a U.S.-based website are NOT covered under the terms of this limited warranty. Products purchased outside the United States are subject to country-specific warranties. Contact the Powerwerks International Distributor in your country for details.

WHAT IS COVERED?

Bad Cat warrants this product to be free of defects in materials and workmanship for a period of three (3) years from the original date of purchase.

Bad Cat warrants loudspeakers to be free from defects in material and workmanship for a period of one (1) years from the date of original purchase.

This speaker warranty is subject to the following exclusions and limitations:

1. Speaker must be inspected by Powerwerks or an Authorized Service Center for damage or misuse.
2. Speakers damaged due to overpowering are not covered under this warranty.
3. Powerwerks reserves the right to repair or replace the speaker with one of comparable quality.

WHAT IS NOT COVERED?

This warranty is subject to the following conditions and exclusions:
Defects caused by wear and tear, misuse or neglect are not covered by this warranty.

This warranty will be void if:
A. The unit has been altered or modified.
B. The serial number has been removed or defaced.
C. The unit has been operated improperly.

This warranty is for Bad Cat products only. Any service claims resulting from other brands used in conjunction with Powerwerks products will not be allowed or honored.

WHERE DO I GO?

All warranty service must be performed by Bad Cat or by an Authorized Powerwerks Service Center. All component replacement costs will be assumed by Powerwerks within this warranty period. The labor costs will be covered by Powerwerks according to the established current rate schedules. Transportation to and from the warranty center is the sole responsibility of the purchaser. Powerwerks assumes no liabilities for damages incurred in transit to or from the service center.

WHAT DO I DO?

If warranty repairs become necessary, the owner is responsible for delivery of the unit to an Authorized Powerwerks Service Center. If return is to be made to Bad Cat, the customer must first obtain a Return Authorization from Bad Cat's Service Department by telephone or mail. After receipt of a Return Authorization, the owner must ship the unit with a copy of the original sales receipt and a detailed description of the needed repairs. Please include your Return Authorization number on all correspondence. Repaired products will be returned freight collect.
Bad Cat will, at its option, repair or replace defective parts or products.

LIMITATION OF WARRANTY:

BAD CAT SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES RESULTING FROM ANY DEFECT IN OR FAILURE OF BAD CAT PRODUCTS. BAD CAT'S LIABILITY AND YOUR REMEDY FOR DAMAGES AGAINST BAD CAT SHALL NOT EXCEED THE AMOUNT OF THE PURCHASE PRICE OF THIS BAD CAT PRODUCT.

This warranty effective date April 27, 2010

FOR YOUR RECORDS

Model _____ Serial #: _____

Date Purchased _____ Dealer _____

Dealer Address _____

City _____ State _____ Zip Code _____

Original Sales Receipt or a legible copy must be presented for any warranty repair or transaction.