Jazzkat Amplifiers, LLC
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Jazzkat Amplifiers

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OPERATION MANUAL

Jazzkat Amplifiers

Welcome to the Jazzkat Amplifier family. You have purchased a product that is used by many professional musicians around the world because of its style, sound and capabilities. Whether you play jazz, rock, blues, country or any type of music your Jazzkat amplifier will provide you with the best all around sound for your money.

The technologically advanced port tuning allows your Jazzkat amplifier to provide your instrument with a full range of amazing sound, from the deepest lows to the sweetest highs. The ports create a very open sound coming from a small cabinet.

Sound engineers love Jazzkat amplifiers not just because they sound so good but because they are so quiet. The days of electrical hum pouring out of your speakers before you even plug your instrument in are gone. Jazzkat amplifiers reproduce the sound of your instrument in the purest way, allowing you to pour out your music and be heard the way you want it to.

Our highly advanced EQ circuits afford you a full range of Bass, Mid and Treble available at your figure tips. Plug in and dial up your sound, no matter which instrument you use.
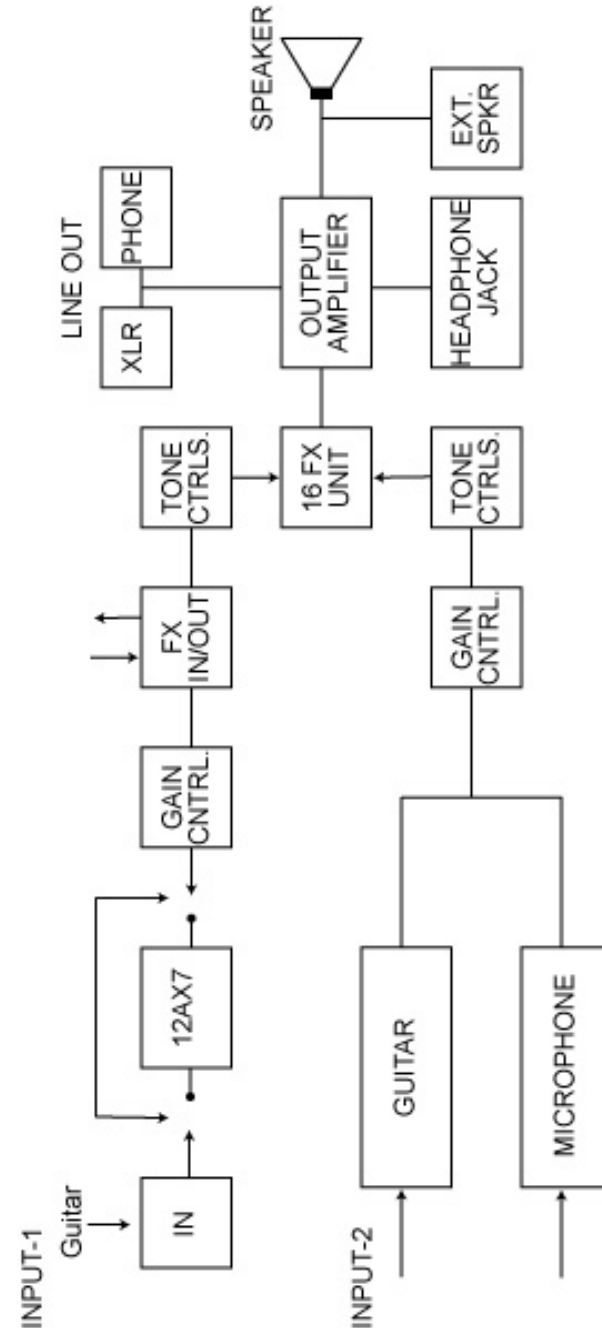
All Jazzkat amplifiers, except one, have over 120 watts of true RMS heart pounding power. Plug in an extension cabinet and your power doubles to over 200 watts of mind bending clean power. This is real power for real players, giving you all the headroom your instrument needs to produce a clean warm big sound.

Our newest feature is a tube on channel one. With the simple touch of a button you can change from the warm traditional non-tube Jazzkat sound to the great addition of a thick tube sound. Unlike traditional tube amplifiers, the advanced tube circuit on Jazzkat amplifiers, provides longer tube life, removing any worry of tube maintenance.

A second channel is available with a combination jack allowing you to use either a second instrument or a microphone. The second channel is not only great for a microphone but it is great for an acoustic guitar. Add to this 16 digital effects that can be assigned to either channel or both channels at the same time and you are ready for any gig.

The additional features of Line Out, Headphone, Send/Return, and External Speaker jacks you have the perfect amplifier to take with you whether you are playing a local Coffee House or Carnegie Hall.

Whether you are a professional player or just kicking around the house Jazzkat is designed to be the perfect companion to let your music be heard.

Specifications:

JazzKat™

1 - 8" Celestion Speaker
2 Channels
Channel 1 –
- Gain, Bass, Mid, Treble, 1/4" Phone Plug
Channel 2 –
- Gain, Bass, Mid, Treble, Combo Plug
(1/4" Phone/ XLR)
16lbs
75 Watts/RMS
16 Digital Effects with separate Level Control

Effects assignment switch –
Channel 1 / Channel 2 / Both
Extension Speaker Jack (8 – 16 Ohms)
Headphone Jack
Line Out – XLR and ¼" Phone
Effects Loop-Line Level Send / Return
Switchable power supply 120/240V
Top Handle
Advanced Sound Engineering Ported Tuned Cabinet
H 15" X W 11.75" X D 9"
ROHS Certified

TomKat™

1 12AX7 Tube on Channel 1
Switchable on/off with an ON LED
Tube Drive Control
1 - 10" Celestion Speaker
2 Channels
Channel 1 –
- Gain, Bass, Mid, Treble, 1/4" Phone Plug
Channel 2 –
- Gain, Bass, Mid, Treble, Combo Plug
(1/4"Phone/XLR)
22lbs
125 Watts/RMS (8 Ohms)

16 Digital Effects with separate Level Control
Effects assignment switch –
Channel 1 / Channel 2 / Both
Extension Speaker Jack (8 – 16 Ohms)
Headphone Jack
Line Out – XLR and ¼" Phone
Effects Loop-Line Level Send / Return
Switchable power supply 120/240V
Top Handle
Advanced Sound Engineering Ported Tuned Cabinet
H 15" X W 12" X D 11"
ROHS Certified

BassKat™

1 12AX7 Tube on Channel 1
Switchable on/off with an ON LED
Tube Drive Control
1 - 10" Eminence Speaker – Voiced for Bass
2 Channels
Channel 1 –
- Gain, Bass, Mid, Treble, 1/4" Phone Plug
Channel 2 –
- Gain, Bass, Mid, Treble, Combo Plug
(1/4" Phone/ XLR)
22lbs
125 Watts/RMS (8 Ohms)

16 Digital Effects with separate Level Control
Effects assignment switch –
Channel 1 / Channel 2 / Both
Extension Speaker Jack (8 – 16 Ohms)
Headphone Jack
Line Out – XLR and ¼" Phone
Effects Loop-Line Level Send / Return
Switchable power supply 120/240V
Top Handle
Advanced Sound Engineering Ported Tuned Cabinet
H 15" X W 12" X D 11"
ROHS Certified

PhatKat™

1 12AX7 Tube on Channel 1
Switchable on/off with and ON LED
Tube Drive Control
1 - 12" Eminence Speaker
2 Channels
Channel 1 –
- Gain, Bass, Mid, Treble, 1/4" Phone Plug
Channel 2 –
- Gain, Bass, Mid, Treble, Combo Plug
(1/4" Phone / XLR)
28lbs
135 Watts/RMS (8 Ohms)

16 Digital Effects with separate Level Control
Effects assignment switch –
Channel 1 / Channel 2 / Both
Extension Speaker Jack (8 – 16 Ohms)
Headphone Jack
Line Out – XLR and ¼" Phone
Effects Loop-Line Level Send / Return
Switchable power supply 120/240V
Top Handle
Advanced Sound Engineering Ported Tuned Cabinet
H 17.25" X W 14" X D 13.25"
ROHS Certified

TwinKat™

1 12AX7 Tube on Channel 1
Switchable on/off with ON LED
Tube Drive Control
2 - 10" Celestion Speakers
2 Channels
Channel 1 –
- Gain, Bass, Mid, Treble, 1/4" Phone Plug
Channel 2 –
- Gain, Bass, Mid, Treble, Combo Plug
(1/4" Phone/XLR)
28lbs
150 Watts/RMS (8 Ohms)

16 Digital Effects with separate Level Control
Effects assignment switch –
Channel 1 / Channel 2 / Both
Extension Speaker Jack
Headphone Jack
Line Out – XLR and ¼" Phone
Effects Loop-Line Level Send / Return
Switchable power supply 120/240V
Top Handle
Advanced Sound Engineering Ported Tuned Cabinet
H 23" X W 15" X D 11"
ROHS Certified

PRECAUTIONS & WARNINGS

USE COMMON SENSE AND ALWAYS OBSERVE THESE PRECAUTIONS:

WARNING: Playing your amplifier at high volumes can cause hearing loss.

WARNING: To insure proper ventilation always make certain there is at least four inches of space behind the rear of the amplifier cabinet. Keep away from flammable objects.

WARNING: Do not expose the amplifier to rain, moisture, dripping or splashing water. Do not place objects filled with liquids on or nearby the amplifier.

WARNING: Do not expose amplifier to direct sunlight or extremely high temperatures. Always insure that amplifier is properly grounded. Always unplug AC power cord before changing fuse or any tubes. When replacing fuse, use only same type and rating.

WARNING: Be sure to connect to an AC power supply that meets the power supply specifications listed on the rear of the unit. Remove the power plug from the AC mains socket if the unit is to be stored for an extended period of time. If there is any danger of lightning occurring nearby, remove the power plug from the wall socket in advance.

WARNING: To avoid damaging your speakers and other playback equipment, turn off the power of all related equipment before making the connections. Do not use excessive force in handling control buttons, switches and controls. Do not use solvents such as benzene or paint thinner to clean the unit. Wipe off the exterior with soft cloth. Be sure to have the warranty card filled out by the store at which it was purchased and return to *Jazzkat Amplifiers, LLC*

Intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's

Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risk of electrical shock — DO NOT OPEN!

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Jazzkat Amplifier – Front Panel
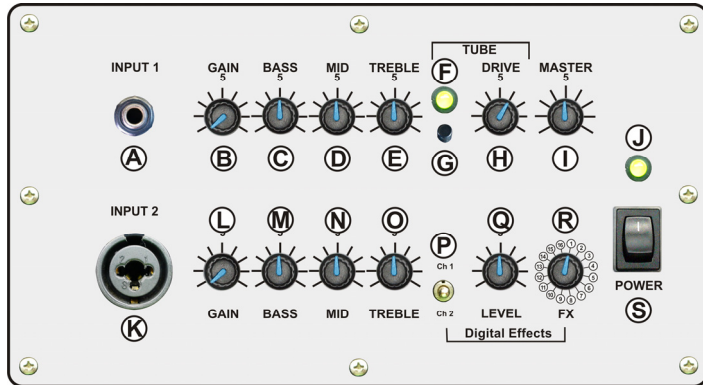
A. INPUT 1 - This input (1/4") is designed for instrument level signals.

B. GAIN - This adjusts the volume for INPUT 1

C. BASS - Adjusts the amount of boost or cut in the low frequency range.

D. Mid - Adjusts the amount of boost or cut in the mid frequency range.

E. Treble - Adjusts the amount of boost or cut in the high frequency range.

F. Tube LED – Lights when the tube button (item G) is pushed and tube is turned on.

Tube On   Tube Off

G. Tube switch – This allows you to turn the tube on or off. Tube Off   Tube On

H. Drive – Controls how loud the tube is when it is on.

I. Master – Adjusts the overall volume of the amplifier. After setting both channel 1 & 2 to desired levels you can raise or lower the overall volume without affecting the individual channel settings.

J. POWER LED – When the pilot light shows green the amplifier is on.

K. INPUT 2 – Combo input designed for both instrument (1/4") signal & Microphone (XLR) signal.

L. GAIN - Controls the volume/gain of input 2.

M. BASS - Adjusts the amount of boost or cut in the low frequency range.   INPUT 2

N. Mid - Adjusts the amount of boost or cut in the mid frequency range.   INPUT 2

O. Treble - Adjusts the amount of boost or cut in the high frequency range. INPUT 2

P. FX SWITCH – 3 way toggle switch that assigns the selected effect to either channel 1, channel 2 or both channels simultaneously in the center position.

Q. FX LEVEL –Controls the amount of digital effect mixed into the signal from 0 - 100%.

R. FX SELECTOR – Rotary switch that allows the user to select any one of the 16 different digital effects.

S. POWER SWITCH – Turns amplifier power on or off

Jazzkat Recommended Usage Table

NOTE: Jazzkat amplifier usage table.
PLEASE READ THE FOLLOWING:

Jazzkat amplifiers power are rated true RMS. The shaded sections represent use of the amplifier without a PA connection.

Any Jazzkat amplifier can be used beyond their shaded area if a mic or line out to PA is used. Extension speakers can also allow the amplifier to go beyond the recommended use in this table.

		Single	Duo	Trio	Trio with Organ	Quartet	Quartet with Organ	Band with Horns & Organ	Big Band
JazzKat	75W								
TomKat	125W								
BassKat	125W								
PhatKat	135W								
TwinKat	150W								

NOTE: There is no TUBE on channel 2.

| INPUT 2	Insert instrument cable jack or XLR into INPUT-2 **NOTE: No tube is available for INPUT-2**	GAIN 5	Set INPUT-2 GAIN to 4	BASS 5	Set BASS, MID, and TREBLE controls to 5
		INPUT-2 is more sensitive than INPUT-1. This greater sensitivity allows the use of a non-powered microphone in this channel. You can plug and instrument into this channel or an XLR device but not both at the same time.			

Set your instrument's volume and tone control and begin playing. Adjust the GAIN control UP for more volume or DOWN for less. Turning the GAIN control to high can produce distortion. For a clean sound at higher volume set the GAIN to 6 and adjust the MASTER UP. You may also need to adjust the Effects level up or down.

Once you have the proper volume set we suggest that you play at these settings for at least 10 minutes. This will give you ears time to adjust to the new sound of your amplifier.

After at least 10 minutes you can adjust the EQ controls to enhance your sound.

It is best to make small changes and give your ears time to adjust to the sound. If you make too many adjustments rapidly you may not find the correct sound for your instrument.

Professional Tip: Professional players make small changes and then play for a while giving their ears a chance to adapt to the sound before making more changes.

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Jazzkat Amplifier – Rear Panel
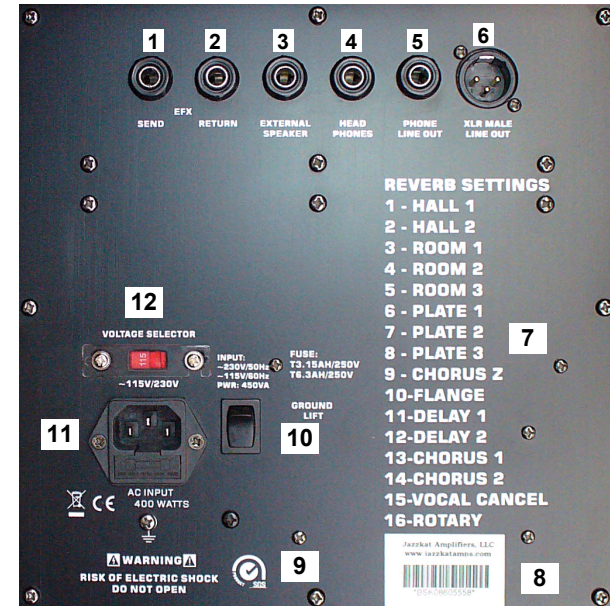
1. Effects Send: This jack provides an unbalanced output to your external effects device. It is extracted before the tone and digital effects circuit.

2. Effects Return: This jack provides a signal return from your eternal effects device.

3. Extension Speaker: any 4 - 16 ohm non-powered extension cabinet can be used with 8 ohm as the optimum.

4. Head Phones: For use with any pair of headphones. When inserted the speaker is turned off.

5. Phone Line Out: This jack provides a stereo compatible mono unbalanced output signal used to feed recording or sound reinforcement equipment.

6. XLR Male Line Out: Balanced output signal used to feed recording or sound reinforcement equipment.

7. Effects: List of digital effects available.

8. Serial Number: The serial number for your amplifier is listed on this tag. Please do not remove it.

9. RoHS: Jazzkat Amplifiers are certified lead and hazardous substance free. We at Jazzkat believe that building a great product can be environmentally friendly. It cost more but it is worth it.

10. Ground Lift: Should you hear a hum after plugging into power flip the switch to the other position to minimize it.

11. AC Input: This receptacle is used to connect the amplifier to the mains via the power cord. The fuse is located here.

12. Voltage Selector Switch: This amplifier has a voltage selector switch for United States or European power requirements.

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Section 1: Preparing to use your new Jazzkat Amplifier

If this is the first time you are using your Jazzkat Amplifier, Please follow the directions below. This will ensure that you do not cause any damage to the amplifier or your hearing due to improperly set controls. It also gives you a good starting point to get the correct sound for your guitar.
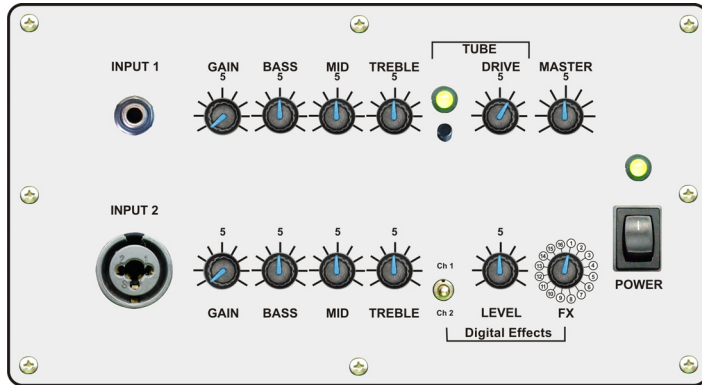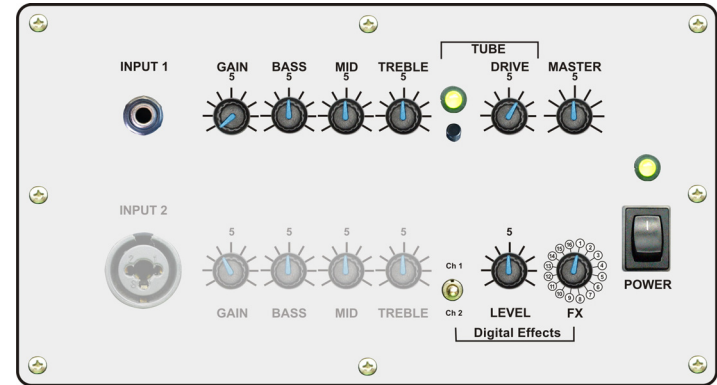

GAIN	The first time using your Jazzkat Amplifier set GAIN controls at ZERO	BASS	The first time you use your amplifier set BASS, MID, and TREBLE controls to 5	⚪ ⚫	Turn the Tube On or OFF
DRIVE	If TUBE is ON Set DRIVE control to 6	Ch 1 ⚪ Ch 2	If you are going to use Effects. set the Effect Switch either UP or Middle	FX	Choose Your Effect **See Effects Table Below**
LEVEL	Set the Amount of Effect by turning the Effects LEVEL control. Start at 5	MASTER	Set the MASTER control to 5.	POWER	Click POWER switch ON

EFFECTS

1 Hall 1- Bright hall reverb for drums, guitars, and vocals.	9 Chorus Z - Chorus for guitars and pianos.
2 Hall 2 -Warm hall for acoustic guitars	10 Flange - Flanger for jet wash effects
3 Room 1 -Hardwood studio for acoustic instruments.	11 Delay 1- 125ms slapback delay for vocals and guitars.
4 Room 2- Ambience for acoustic mixes and synth sounds.	12 Delay 2 -190ms delay for percussive arpeggios.
5 Room 3 -Warm room for guitars and rhythm instruments.	13 Chorus/Room 1- Chorus with reverb for guitars, synths, and pianos
6 Plate 1- Classic plate reverb for lead vocals and instruments.	14 Chorus/Room 2- Auto-wah guitar effect with reverb for lead instruments
7 Plate 2- Sizzling bright plate reverb for vocals and drums.	15 Vocal Cancel -Removes lead vocals from many recordings
8 Plate 3- Short vintage plate reverb for snares and guitars.	16 Rotary Speaker- Rotary speaker emulation for organs and guitars.

Section 2: Using your new Jazzkat amplifier. INPUT-1

NOTE: When you first turn on the amplifier with the TUBE ON there will be a short warm up time before you hear sound.
To begin using your new Jazzkat Amplifier, turn it on as describe in **SECTION 1**.

INPUT 1	Insert instrument cable jack into INPUT-1	GAIN	**Set INPUT-1 GAIN to 4** Turning the GAIN to high can produce distortion.	BASS	Set BASS, MID, and TREBLE controls to 5
DRIVE	If TUBE is ON Set DRIVE control to 6		**TUBE DRIVE**: The tube drive control allows you the option to raise the volume level of your instrument when in the TUBE ON mode. Turning the DRIVE knob to high may produce distortion.		

Set your instrument's volume and tone control and begin playing. Adjust the GAIN control UP for more volume or DOWN for less. Turning the GAIN control to high can produce distortion. For a clean sound at higher volume set the GAIN to 6 and adjust the MASTER UP. You may also need to adjust the Effects level up or down.

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