

Jack Pearson

Amp

Hand Crafted Tube Guitar Amplifier

VVT Amps

**520 University Dr.
Waldorf, MD 20602
240-222-3830**

www.vvtamps.com

The genesis of this amp is the result of Jack playing a Lindy Fralin Model at the 2013 Nashville Amp Expo. Jack was impressed with the tonal qualities of the amp and asked us to build him an amp that had the same characteristics but with a couple of changes to suit his particular needs. The first was a middle (Mid) frequency control and the other was a frequency boost switch in the 500Hz range. The Mid control was no problem. After all, the Fralin amp has a standard two band tone stack.

The second request was a little more difficult because components of passive tone stacks are interactive; if you change one component value it affects how others respond. And, it can affect the impedance of the stack which will cause a perceived volume increase or decrease (Boost or Cut). After some experimentation we found a solution that works nicely. The spectrum analyzer shows nice 500Hz lift with only a minor increase in the volume level.

'I Love my new VVT-JP amp. It's very open sounding, responsive, with lot's of overtones. It has dynamics, and it compresses a little bit when I push it hard. The equalization is wonderful, great sounding reverb. Also, a great cabinet design, the sound is consistent whether I'm in front or to the side of it...nothing needs to change.' - Jack Pearson

We have been making the Lindy Fralin Model amp since 2006. Here's a little background.

When Lindy called us about an idea he had for an amplifier we jumped at the chance. Being avid users of his pickups for many years, and the ear Lindy has for tone, it was just the challenge we needed to design and build an amp he would put his name on.

After several conversations, Lindy wanted an amp voiced primarily for clean full bodied articulate tone. It had to perform well at a low volume, be as light as possible and cool looking.

We made several visits to his shop in Richmond, VA to play and listen to many amps in Lindy's impressive collection. Only then did we get a good sense of what it was he was wanted. We finally agreed on an all tube, hand wired amp. After several prototypes, the design evolved into a single channel cathode biased 6L6 powered amp with built in spring reverb and a bright switch for Lindy's P90s. The cabinet size and tone was a big deal for Lindy, he insisted the amp be as portable and light weight as possible, so a custom made 20X20 cabinet had to be designed along with an integral diffuser to tame beamy highs. Lindy's speaker of choice was a 15" for big clean tone, at low volume and a smooth breakup at higher volume and a nice compliment to his pickups. Lindy spared no expense when it came to the kind of components used: Mercury Magnetics transformers, low noise resistors, all wired together with vintage style cloth covered wire.

Important Information:

1. **Please read all of the information contained in this document.**
2. **Replace the rectifier tube with type 5U4GB or 5U4GBEH ONLY. DO NOT use a GZ34/5AR4 rectifier in this amp.**
3. **HUM - Some hum or amplified noise is normal. As the volume is increased some amplified noise may be noticeable and will be more apparent in a small quiet room. Additionally, tubes have inherent noise as do resistors. However, excessive hum (noise) can be caused by electronic devices located near the amp or on the same circuit such as neon signs, fridges, fluorescent lights, computers, light dimmers, aquarium pumps, etc. Hum can vary with different outlets, rooms or buildings.**
4. **Do not operate this amp without a speaker load.**

CAUTION

RISK OF ELECTRIC SHOCK

WARNING: This guitar amplifier contains lethal HIGH VOLTAGE. To avoid risk of injury or death from electric shock, do not open the enclosure or remove the back cover from the amplifier. Refer all service work to qualified personnel.

WARNING: This amplifier contains Vacuum Tubes. Vacuum tubes are heated to produce electrical currents and they get HOT. Touching this surface could result in bodily injury. To reduce the risk of injury from a hot component, allow the surface to cool before touching. DO NOT touch or attempt to remove vacuum tubes until they have had time to cool.

IMPORTANT! FOR YOUR PROTECTION, PLEASE READ THE FOLLOWING:

WATER AND MOISTURE: This amplifier should not be used near water (near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

POWER SOURCES: The amplifier should only be connected to a 120VAC household power source.

GROUNDING OR POLARIZATION: Precautions should be taken so that the grounding or polarization is not defeated. Do not remove the ground from the power cord.

POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the amplifier.

SERVICING: You should not attempt to service this amp beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

FUSING: Your amplifier is equipped with a 2A circuit breaker. It is located on the bottom of the chassis behind the rectifier tube. If the circuit breaker pops it may be reset after a few seconds. If it pops again then your amp needs service.

MAINTAINING YOUR AMPLIFIER

1. Conductive foreign objects could produce a short circuit that could cause fire, electric shock, or damage to your amplifier. Avoid spilling liquids or allowing any other foreign matter inside the unit. The panel of your unit can be wiped from time to time with a dry or slightly damp cloth in order to remove dust and bring back the new look. As with all electronic equipment, avoid prolonged use in caustic environments (salt air). If used in such an environment, be sure the amplifier is adequately protected.
2. Your amp was designed for an 8 Ohm speaker load. The speaker load is reflected back to the primary of the output transformer and output tubes. **DO NOT** operate this amplifier with any speaker load other than that specified. **DO NOT** operate this amp without a speaker load. Failure to follow these instructions could seriously damage your amp and may void any warranty.
3. The vacuum tubes in your amplifier are not solid state devices. They do, and will wear out over time. The life expectancy of the tubes depends on the amount of time you use your amplifier. If you replace your tubes they should be replaced with the same type as originally installed – TAD 6L6WGC-STR. JJ 6V6S output tubes may be used to replace the 6L6s for earlier breakup at lower volume. New Old Stock (NOS) 6V6 output tubes are **NOT** recommended because they are not designed to handle the plate voltage in this amp. VVT amps only guarantees tubes originally installed/delivered with the amplifier.
4. The tolex fabric covering the cabinet should be cleaned periodically with a soft damp cloth. Make sure that the amp is turned off and unplugged before cleaning the cabinet. **Do NOT** use spray cleaners as overspray may cause corrosion of the faceplate, chassis, or electrical components. Avoid prolonged exposure to sunlight. Do not allow the amplifier to get wet. Don't set your drink on it either. Use care when moving or storing the amp; the tolex could rip or tear. Accidental damage to the cabinet or tolex is not covered by your warranty.

USING YOUR AMPLIFIER

1. POWER Switch: In the ON position Applies 120VAC to the power transformer. In the OFF position removes 120VAC from the power transformer.
2. STANDBY Switch: In the OFF position, the STANDBY Switch allows voltage to the tube filaments but stops high DC voltages to the tubes. When you turn the amp on, allow the tubes to warm up 10 or 15 seconds before placing the STANDBY switch in the ON position. The amp will not operate unless the STANDBY switch is in the ON position.
3. INPUT Jack: Guitar/Instrument input.
4. BRIGHT Switch: Down – Normal; Up - Bright
5. VOLUME Control: Controls the loudness of the guitar or instruments plugged into the INPUT Jack.
6. MID BUMP Switch – 500Hz Mid Lift
7. tone Controls: Treble, Middle, Bass.
8. REVERB Control: Adjusts the reverb level.

IF YOUR AMPLIFIER WILL NOT TURN ON

Check the power to the unit. Check for tripped household circuit breakers, unplugged extension cords or power-strip switches that may be turned off. Check the circuit breaker. It is located on the bottom of the chassis behind the rectifier tube. If the circuit breaker has popped you can reset it after a few seconds. The unit may be perfectly fine but occasionally the circuit breaker may pop because of high AC voltage surges. After the circuit breaker has been reset, if it fails again, the amplifier will require service. Also, check your input and speaker output cables.

VVT Amps wants you to be happy with your amp so, if there are certain tonal characteristics that you desire, we will assist you in those endeavors and make every effort to help you get your mojo. There are many options for capacitors, transformers, and speakers available at prices ranging from modest to outrageous. All of these components affect the tone of your amplifier. Let us know if we can help.

About VVT Amplifiers

VVT Amplifiers makes vintage and modern style tube guitar amplifiers available to those musicians who know great guitar tone. The VVT Amps workshop is located at:

520 University Dr.
Waldorf, MD 20602
(240) 222-3830

All VVT amps are built by hand. We also make cabinets and chassis for our custom amps. We use various sources for vintage reproduction cabinets and chassis that we believe offer the best durability, value, and style.

VVT Amps does not service solid state equipment of any brand

Lindy Fralin Model

LIMITED WARRANTY

This amp is guaranteed against failure. Vacuum tubes are guaranteed for 90 DAYS from the date of purchase. If a tube fails within the 90 day period, VVT Amps will replace the tube at no charge. The speaker is guaranteed for ONE YEAR. All other electronic components are guaranteed for TEN YEARS. VVT Amps will service your amplifier and supply all parts at no charge providing the unit is under warranty. Any shipping costs associated with repairs are your responsibility. VVT Amps DOES NOT PAY FOR PARTS OR SERVICE OTHER THAN OUR OWN. A COPY OF THE ORIGINAL SALES RECEIPT IS REQUIRED TO VERIFY YOUR WARRANTY. VVT Amps assumes no responsibility for external speakers or other equipment damaged by this guitar amplifier. This warranty does not cover, and no liability is assumed, for damage due to: natural disasters, accidents, abuse, loss of parts, lack of reasonable care, incorrect use, or failure to follow instructions. Accidental damage to the amplifier, cabinet, or Tolex is not covered. This warranty is in lieu of all other warranties, expressed or implied. No representative or person is authorized to represent or assume for VVT Amps any liability in connection with the sale or servicing of VVT Amp products. VVT Amps SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. If service is required you may contact VVT Amps at 240-222-3830 or vvtamps@vvtamps.com. We will respond as soon as possible and make arrangements to repair your amplifier. If your unit is out of warranty, VVT Amps will repair your amplifier but you will be charged the current RATE for parts and labor.

Specifications:

Model Name	Jack Pearson Limited Edition Lindy Fralin Model
Product Number	909991021 (Combo);
Model Number	122721-0003 (Combo);
Series	Signature Series
Type	All Tube Amp
Audio Output	38 Watts into 8 ohms
Output Impedance	4 & 8 ohms (Combo)
Speakers	1-15" Eminence Legend 1518 (8 Ohms)
Channels	Single Channel with Reverb
Features	100% Handmade Amplifier Solid Pine Cabinet, Heavy Duty Handle, Tube Driven Spring Reverb, Standby Switch, Extension Speaker Jack, Tube Rectifier
Controls	Front Panel: Power Switch Standby Switch Input, Bright Switch, Volume, Mid Bump Switch, Treble, Middle, Bass, Reverb Back Panel: Two Speaker Jacks – 4 Ohms and 8 Ohms Reverb Output and Input RCA Jacks
Covering	Ivory and Black Textured Vinyl with Black Grille Cloth
Weight	42 lbs. (Combo)
Dimensions	Height: 20" (Combo) Width: 20" Depth: 10"
Tube Complement	1 X EH 5U4GB Rectifier Tube, 2 X TAD 6L6WGC-STR (Small Bottle) Output Tubes 2 X ECC83S/12AX7 Preamp/Reverb Recovery 2 X ECC81/12AT7 Reverb Driver/Phase Inverter
Accessories	N/A
Options	N/A
Introduced	9/2013
Notice	Product Prices, Features, and Specifications Are Subject To Change Without Notice