

DELIVERANCE II+ SERIES®



**VACUUM TUBE GUITAR AMPLIFIER
MODEL D60H / D120H SERIES II+
OWNERS MANUAL**



WELCOME TO THE FAMILY

Congratulations on your new purchase and welcome to the family!

At Fryette Amplification, we know you are constantly searching for new sounds and new ways to improve your existing sound. We understand the constantly evolving nature of artistic creativity and the search for the perfect sound to complement your ever-widening musical vision. Providing the tools to help you to create your own sonic signature is our primary mission.

As with all Fryette amplifiers, the Deliverance Series II amps beautifully accentuate the inherent qualities of any instrument. It breathes and dynamically responds to your playing technique exactly the way a great guitar amp should. And as stomp boxes have gained more widespread appeal, you will find Deliverance amps to be pedal friendly and ultra-responsive to the many colors pedal effects produce.

The Deliverance preamp section has a broad dynamic range, which accounts for its extra touch-sensitivity and excellent guitar volume response. In addition, clean and overdriven voicings can easily be dialed up using the unique GAIN I / GAIN II structure, tone controls, presence and depth. From there, just a little tweaking on your guitar volume and tone controls will yield a surprising amount of control.

The Deliverance power amp section is designed for big round tone and dynamic response at low to medium guitar volumes and a rapid but smooth transition into saturation, turning rich and thick at full guitar volume. This combination of preamp voicing and power amp response enhances the unique character of any guitar and pick-up type.

The Deliverance Series II+ amps now feature a foot-switchable Solo Master and assignable More Mode and Bright Mode switches for even more flexibility on the fly. And the new effect loop is the most quiet, transparent loop available anywhere.

Getting familiar with the Deliverance amplifier is easy, so don't be terribly surprised when you find yourself up and running in no time. First-hand experience and real-world application will yield the ultimate satisfaction of finding your own path of comprehension and self-expression.

IMPORTANT SAFETY INSTRUCTIONS



This symbol warns the user of dangerous voltage levels localized within the enclosure.



This symbol advises the user to read all accompanying literature for safe operation of the Unit.

- Read, retain, and follow all instructions. Heed all warnings.
- Only connect the power supply cord to an earth grounded AC receptacle in accordance with the voltage and frequency ratings listed under the AC input on the rear panel of this product.
- **WARNING:** To prevent damage, fire or shock hazard, do not expose this unit to rain or moisture.
- Unplug the power supply cord before cleaning the unit exterior (use a damp cloth only). Wait until the unit is completely dry before reconnecting it to power.
- Maintain at least 6 inches (15.25 cm) of unobstructed air space behind the unit to allow for proper ventilation and cooling of the unit.
- This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
- This product may be equipped with a polarized plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of this plug.
- Protect the power supply cord from being pinched or abraded.
- The power supply cord of this product should be unplugged from the outlet when left unused for a long period of time, or during electrical storms.
- This product should be serviced by qualified service personnel when: the power supply cord or the plug has been damaged; or objects have fallen, or liquid has been spilled onto the product; or the product has been exposed to rain; or the product does not appear to operate normally or exhibits a marked change in performance; or the product has been dropped, or the enclosure damaged.
- Do not drip nor splash liquids, nor place liquid filled containers on the unit.
- **CAUTION:** No user serviceable parts inside, refer servicing to qualified personnel only.
- FRYETTE® amplifiers and loudspeaker systems are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.
- Hazardous voltages may be present within the chassis even with the power switch off and power cord connected. Therefore, disconnect the power cord from the rear panel power inlet before servicing. The power inlet must remain readily operable.

IT ALL STARTS HERE

The Input Sensitivity of an amplifier, commonly referred to as GAIN, determines how much overdrive and sustain your guitar will produce. Tonal balance, which we refer to as VOICING determines how the amp will respond to your playing style and sound with a particular guitar. Like all amplifiers, the Deliverance has tone and gain controls, but unlike any other amplifier the D60 and D120 amps give you total control over VOICING and GAIN. This GAIN I / GAIN II / MASTER VOLUME configuration is the key to dialing in the Deliverance sound and volume to your specific requirements.



GAIN I increases the gain amount as you rotate the knob clockwise. As the gain increases, the tonal balance is shifted from a treble and upper mid emphasis, which produces an up-front sparkling tone, to a lower mid and bass emphasis, which produces a thick meaty tone.

GAIN II is disabled in Less Mode. This update provides a much more versatile and functional clean sound while allowing you to set Gain II to taste for mid-gain and hi-gain settings. In More mode. Gain II increases the gain amount as you rotate the knob clockwise but with no alteration of the tonal balance.

Different combinations of GAIN I and GAIN II setting will have a dramatic effect on the response of the amplifier and the personality of your instrument. It is easy to get familiar with the action of these controls and you'll be amazed with your ability to make any guitar sound mellow, fat, soulful or aggressive.

The MORE / LESS switch activates or defeats a tube gain stage. For example, set GAIN I, GAIN II, MORE/LESS and MASTER VOLUME as shown in the photo above and play for a few minutes. Now set these controls as shown in the photo below. Notice that the overall amount of overdrive is approximately the same as it was but the tonal balance has shifted markedly from full and warm to crisp and spanking.



As you will see, by experimenting with combinations of settings you can cover an awful lot of tonal territory before you even begin to start thinking about tone control settings.

DELIVERANCE D60/120 FUNCTIONS

FRONT PANEL, LEFT TO RIGHT



1. GUITAR INPUT – Plug in your guitar or stompbox here.

PREAMP GAIN / VOLUME SECTION

2. GAIN I / VOICING – Sets the amount of overdrive in the second gain stage. This first gain control also serves as a tone shaping control, counterclockwise for crisp and articulate, clockwise for thick and saturated.
3. GAIN II / OVERDRIVE – Active only in More Mode for full frequency gain boost or cut. Sets the amount of overdrive in the third gain stage. Works in conjunction with Gain I to dial in the perfect overdrive/sustain amount for your guitar and pick-up combination.
4. BRIGHT – Selects between the normal balanced Deliverance voicing and a more aggressive top end flavor that can be switched on manually in the up position or assigned to the Solo Master in the down position.
5. MORE / LESS – This switch selects three stages or four stages of tube preamp gain depending on the amount of overdrive required. It also activates Gain II. LESS = 3 stages, MORE = 4 stages. When using stomp boxes or active pick-ups, four stages of gain are often unnecessary and generate undesirable levels of background noise, so the ability to defeat the additional stage is a real plus. More mode can be switched on manually in the up position, or assigned to the Solo Master in the down position.
6. MASTER VOLUME - Power amp volume – loudness - control.
7. SOLO MASTER – The second Master Volume is only activated by using the rear panel Remote jack.

EQUALIZATION SECTION – Passive / Interactive tone controls.

8. TREBLE – Passive High frequency equalization.
9. MIDDLE – Passive Mid frequency equalization.
10. BASS – Passive low frequency equalization.

POWER AMP RESPONSE CONTROL SECTION

11. PRESENCE – High frequency variable feedback in power amp section.
12. DEPTH - Variable damping. Controls low frequency interaction between amplifier and speakers.

AC POWER / STANDBY

13. STANDBY - Turns on high voltage to output section.
14. MAINS – Switches main AC power on or off.

DELIVERANCE D60/120 FUNCTIONS

REAR PANEL, LEFT TO RIGHT



1. AC MAINS INPUT – Connect to a grounded outlet in accordance with the voltage and frequency specified on the rear panel of your amplifier.



Use only the factory supplied cord set or a UL approved equivalent type.

2. MAINS FUSE – Protects the amplifier from electrical faults. Replace only with type and rating specified on the rear panel of your amplifier.
3. DC FUSE – Protects the power supply and output transformer from electrical faults. Replace only with type and rating specified on the rear panel of your amplifier.



Warning! Replace only with same fuse type and rating.

4. 16 OHM SPEAKER OUTPUT – Use this jack when using a single 16 Ohm cab.
5. IMPEDANCE SELECT – 4 or 8 Ohms. Example: Two 8 Ohm cabs = 4 Ohms, two 16 Ohm cabs = 8 Ohms.
6. 8/4 OHM SPEAKER OUTPUT – Parallel wired jacks. Impedance switch setting should equal total of all cabinet impedances plugged into both jacks.
7. FOOTSWITCH JACK – Footswitch TRS jack for remotely engaging the SOLO MASTER (tip) and EFFECTS LOOP (ring). You can use any standard 2-function TRS latching footswitch or remote switching device. Shielded or non-shielded cable is suitable for this application.
8. EFFECTS LOOP SWITCH – Engages the Effects loop. This switch is disengaged when the supplied footswitch is connected.
9. RETURN JACK – Also serves as a power amp input.
10. LEVEL SWITCH – Sets overall send and return level for Effects Loop, (LOW = -10 dB, HI = 0 dB).
11. SEND JACK – Send level is set by preamp volumes. Also serves as a preamp output for recording and slaving.

TROUBLESHOOTING GUIDE

WON'T TURN ON

1. Make sure AC cord is securely connected at both ends.
2. Verify the power source with something you know works.
3. Check the mains fuse and replace if necessary. If it blows again, refer to qualified service personnel.

NO SOUND

1. Check input cable.
2. Check volume controls.
3. Make sure the selected channel volume and/or gain controls are turned up. 4. Check to see if the effects loop is engaged. 5. Check speaker cable to see if it is disconnected or shorted.
4. Make sure that the impedance selector is set properly.
5. Check the standby switch.
6. Check for a blown speaker.
7. Look at the preamp tubes to see if they are lighting up.

RUNNING HOT

1. Make sure that the unit has adequate ventilation.
2. Make sure that the impedance selector is set to the proper impedance.
3. Power tubes may be drawing excessive current (**refer to qualified service personnel**).

NOTE:

Always set the amplifier to standby when taking breaks and turn the amplifier off when not in use. This will extend tube life and improve long-term reliability.

DISTORTION

1. Check the impedance setting.
2. Check the speaker cable for shorts.
3. Check the speaker.
4. Check the signal level at other devices in the signal path or in the loop.
5. Power tubes may be weak (**refer to qualified service personnel**).

BLOWING MAINS FUSE

1. Bad power tube or other internal power supply component (**refer to qualified service personnel**).

BLOWING DC FUSE

2. Replace power tubes.
3. Possible internal power supply component (**refer to qualified service personnel**).

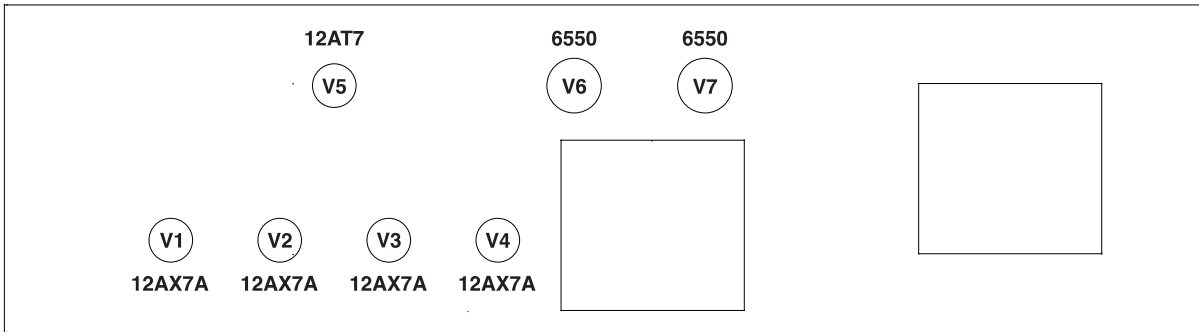
SPECIFICATIONS D120H.

POWER REQUIREMENT: 350W
OUTPUT POWER: 100W RMS @ 5% THD, 1kHz
INPUT IMPEDANCE: 1Megohm
OUTPUT IMPEDANCE: 4Ω / 8Ω (selectable), 16Ω (fixed)
FUSE: **100V UNITS:** T5A, 250V. DC: F1A
120V UNITS: T4A, 250V. DC: F1A
220V-240V UNITS: T2A,
250V DC: F1A
HEIGHT: 10.5 in (27 cm)
WIDTH: 29.50 in (75 cm)
DEPTH: 9.500 in (24 cm)
WEIGHT: 46 lb (23 kg)

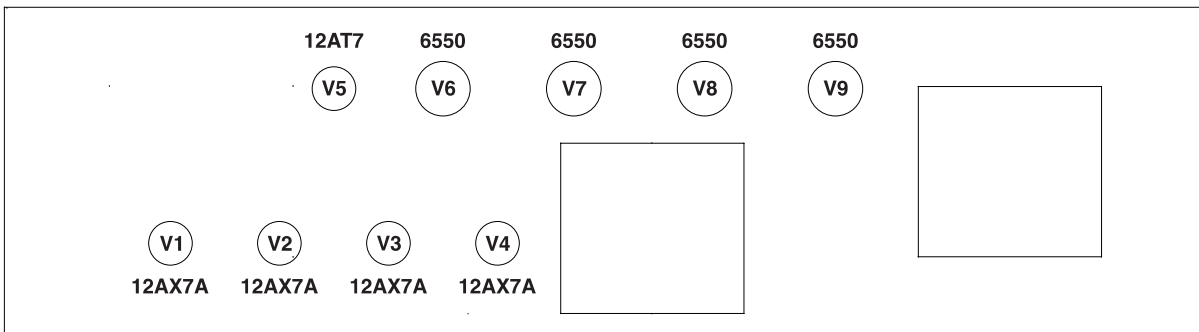
SPECIFICATIONS D160H.

POWER REQUIREMENT: 200W
OUTPUT POWER 60W RMS @ 5% THD, 1kHz
INPUT IMPEDANCE: 1Megohm
OUTPUT IMPEDANCE: 4Ω / 8Ω (selectable),
16Ω (fixed)
FUSE: **100V UNITS:** T2.5A, 250V. DC: F500mA
120V UNITS: T4A, 250V. DC: F500mA
220V-240V UNITS: T2A, 250V
DC: F500mA
HEIGHT: 10.5 in (27 cm)
WIDTH: 29.50 in (75 cm)
DEPTH: 9.500 in (24 cm)
WEIGHT: 40 lb (18 kg)

TUBE FUNCTION AND LOCATION CHART



DELIVERANCE SIXTY CHASSIS FRONT



DELIVERANCE ONE TWENTY CHASSIS FRONT

Preamp tube locations are indicated by tube type on the rear panel of the chassis. Tube types are factory selected for superior performance, consistent tone quality and reliability. While substituting other brands may not cause damage to the amplifier this may affect amplifier performance in unpredictable ways. For best performance, replace only with factory recommended tubes. **Warning! Substituting other tube types is not recommended.**

Each preamp tube has two sections/functions. Section A is shown first, Section B is second. Factory recommended tubes are listed under each location. Numbering sequence is right to left looking at back of amp starting with the row closest to front panel of amp.

- V1 12AX7A/7025 Input Gain Stage 1 (shielded tube) Parallel Triodes.
- V2 12AX7A/7025 Gain Stage 2.
- Gain Stage 4. Active only when MORE / LESS switch is set to MORE.
- V3 12AX7A/7025 Gain Stage 3. Tone Control Driver.
- V4 12AX7A/7025 Master Volume buffer and post EQ gain stage.
- V5 12AT7 Phase Inverter buffer. **MUST USE ONLY 12AT7.**
- V6 – V9 (D120) 6550/KT88 Power Tubes **MUST USE ONLY 6550 or KT88.**
- V6 – V7 (D60) 6550/KT88 **NOT INTERCHANGEABLE WITH ANY OTHER TUBE TYPES!**



Certificate of Compliance

Restriction of the use of Hazardous Substances (RoHS)

We certify that all of our products (exceptions see listed below) are compliant with the European Union Directive 2002/95/EC for the Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS).

No Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr+6), PBB or PBDE is intentionally added to these devices. Any trace impurities of these substances contained in the parts are below the RoHS specified threshold levels.

All information provided in this Certificate of Compliance is accurate to the best of our knowledge as of the date this Certification was issued

Certificate of Compliance

Registration, Evaluation, Authorization and Restriction of chemicals (REACH)

We declare that all of our products are compliant with European Union Directive EC1907/206 for the Registration, Evaluation, Authorization and Restriction of chemicals (REACH), and contain none or less than 0.1% of the chemicals listed as hazardous chemicals in the REACH regulation. All information provided in this Certificate of Compliance is accurate to the best of our knowledge as of the date this Certification was issued.

Declaration of Conformity

EMC and Low Voltage Directive (CE)

Product Name: Deliverance Sixty/ Deliverance One Twenty Amplifier
Model Number: D-60H/D-120-H

This is to certify that the product listed above complies with the following European Union Council Directives and Standards relating to electromagnetic compatibility (EMC Directive 89/336/EEC) and the low voltage Directive (73/23/EEC).

This declaration of conformity of the European Communities is the result of an examination carried out by Electromagnetic Engineering Services, Inc. in accordance with European Standards EN 50081-1, EN 50082-1 and EN 60065 for low voltage, as laid down in Article 10 of the EMC Directive.

Steven Fryette Design, Inc
9620 Topanga Canyon Place Unit D
Chatsworth, CA 91311 USA



LIMITED WARRANTY

LIMITED WARRANTY

Subject to the obligations and exclusions found below, this product is warranted by Steven Fryette Design, Inc., (herein SFD) against manufacturing defects in materials and workmanship for the period of Five (5) Years from the date of purchase, with the exception of the tubes, fuses and speakers where applicable, which carry a 90 day warranty.

The warranty period commences on the date of purchase by the original user. Performance under this warranty must be obtained at one of the following: an SFD Authorized Service Station, by returning the unit to the SFD factory with prior written authorization, or (in countries outside of the United States) by a representative SFD distributor.

Obligations

- 1. This warranty will be honored only on the presentation of the original proof of purchase.*
- 2. Transportation of the product to and from an authorized SFD service outlet is the responsibility of the user. Units sent directly to the SFD factory for warranty repairs must be authorized by SFD and shipped prepaid.*

Exclusions

- 1. This warranty shall not cover adjustment of consumer-operated controls as explained in the appropriate instruction manual, or products that have been altered or have missing, or defaced serial numbers.*
- 2. This warranty shall not apply to the appearance of accessory items including but not limited to, cabinets, cabinet parts, or knobs.*
- 3. This warranty does not apply to uncrating, setup, installation, or the removal and reinstallation of products for repair.*
- 4. This warranty shall not apply to repair or replacements necessitated by any cause beyond the control of SFD including, but not limited to, any malfunction, defects, or failure caused by or resulting from unauthorized service or parts, damaged or broken tubes, incorrect line voltage, improper maintenance, modification or repair by the user, abuse misuse, neglect, accident, fire, flood, or other Acts of God.*
- 5. Responsibility for the repair of any SFD product sold outside of U.S. boundaries is borne by the SFD representative in that particular country or territory. Also, the warranty term and conditions may be different from those stated above. Please contact the SFD distributor or dealer in your country for more information.*

The foregoing is in lieu of all other expressed warranties, and SFD does not authorize any party to assume for it any other obligation or liability. In no event shall SFD be liable for special or consequential damages arising from the use of this product, or for any delay in the performance of this warranty due to causes beyond our control. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of consequential damages, so the above limitations on implied warranty and consequential damages may not apply to you. This warranty gives you specific legal rights. You may have other rights that vary from state to state.

WARRANTY REGISTRATION

U.S. and Canadian residents: Your warranty is validated using the original purchaser's proof of purchase receipt. All other international residents please contact the authorized distributor your Fryette product was purchased from. For a list of international distributors please visit www.fryette.com/dealers.html