

Suhr[®]
PT15

User Guide



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Thank you for purchasing the Suhr PT-15™

Please take the time to read this User Guide to get the most out of the PT-15. The more you familiarize yourself with the features of this unit, the more you will enjoy its benefits and maximize its potential.

Overview

The PT-15 is the latest innovation to come from Suhr. Three of the foremost authorities on tone, John Suhr, his son Kevin Suhr and the legendary guitar player and recording artist Pete Thorn have collaborated once again to design a new, groundbreaking version of his revolutionary PT-100. The PT-15 is a brand new evolution of the PT signature amp in a smaller, lighter and lower wattage package. The 3 channels of tone arrived after decades of research and development Pete and John conducted over the years.

Now, the 3 channels of the PT amplifier have evolved once again to this perfectly sized, 15 watt platform.



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions
5. Clean only with dry cloth
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Protect the power cord from being walked on or pinched particularly at plugs and the point where they exit from the apparatus.
9. Only use attachments/accessories specified by the manufacturer.
10. Unplug this apparatus 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-supply cord or plug is damaged, 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.
12. **CAUTION:** To disconnect the unit completely from the MAINS, unplug the unit. Turning the power switch off does not disconnect the unit completely from the MAINS.
13. The unit shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the unit.
14. **WARNING:** This is a Class I apparatus. It should be connected to a MAINS socket outlet with a protective earthing connection.





Input
Use this to connect your guitar.

Stand By (On/Off)

Power (On/Off)

Channel Select button
Press to cycle between the amps three channels.

Master Volume knob
Adjusts overall volume.

Channel 1 (Green)
Clean channel with Gain, Level, Bass, Treble controls and Bright Switch.

Channel 2 (Blue) & 3 (Red)
High Gain Channels
Seperate Gain, Level and Bright Switch per channel and shared Bass, Middle and Treble controls.

Master Presence knob
Adjusts the amount of high frequencies. Turning it clockwise will add more high end and sparkle.

Speaker Outputs

Parallel Speaker Outputs
(Use Impedance Selector to match the impedance of your cab)

Impedance Selector

Set this switch to match the impedance of the cabinet(s) being used.

Mains Input

Connect the supplied AC cable to this inlet to supply power.

H.T. Fuse

F.5 Amp/240V (Fast-Blow)

Mains Fuse

T1.5A/250V (Slo-Blow) - 100/120VAC

T.75A/250V (Slo-Blow) - 230/240VAC

Fx Loop Send

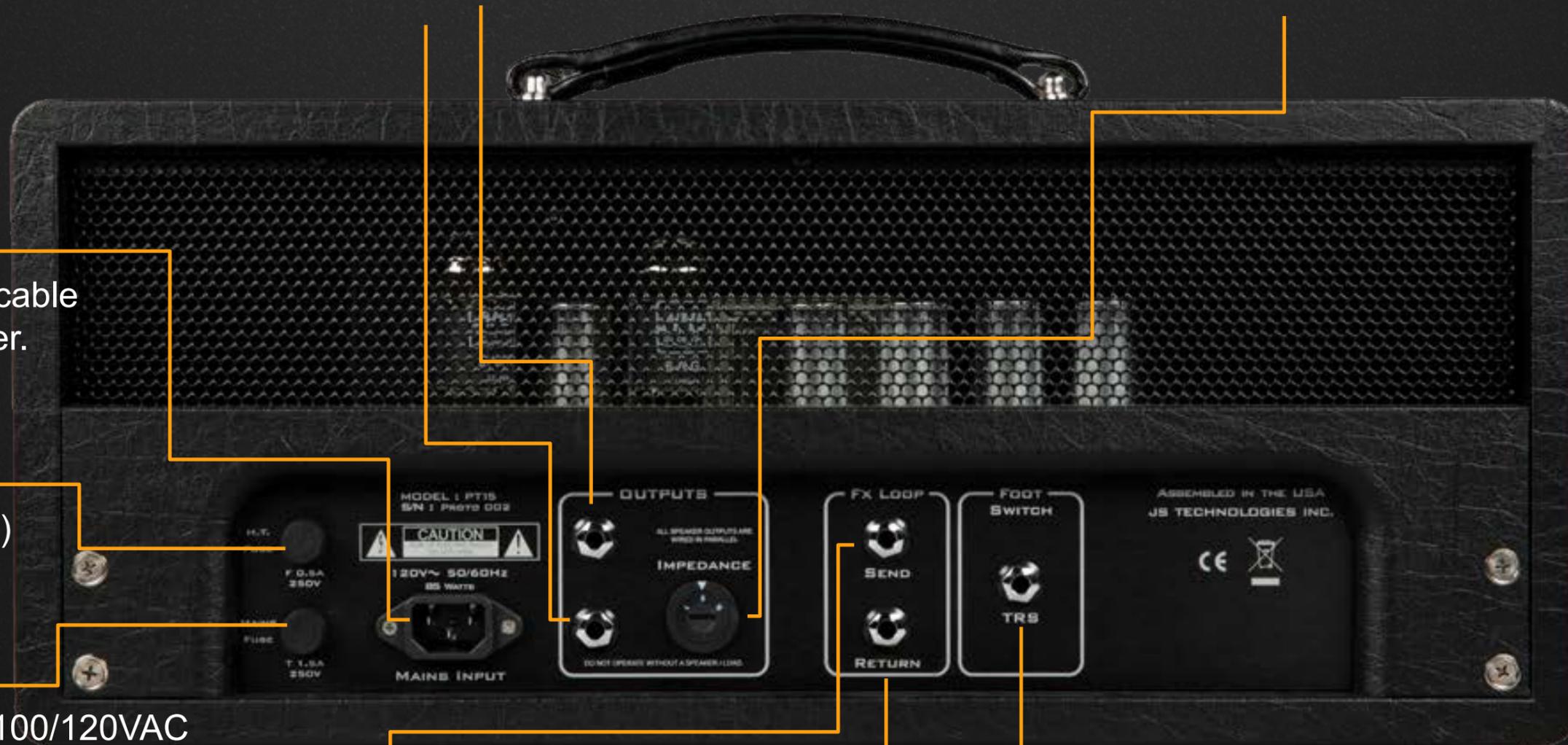
Connect this output to the input of your effects device or chain.

Fx Loop Return

Connect this input to the output of your device or chain.

Foot Switch

Connect the supplied foot switch here via stereo cable (TRS).



Channel 1 (Clean)

The PT15 has a clean channel in a league of its own. American voiced, bold, clear, punchy responsive tone with tons of headroom.

Things to know:

1. **GAIN** - Adjusts the overall gain of channel 1.
2. **LEVEL** - Adjusts the overall output of channel 1.
3. **BASS** - Adjusts the amount of bass. Turning it clockwise increases the amount of bottom-end, giving you a fuller, richer tone, without losing definition. Turning it counter clockwise will reduce the bottom-end for a tighter tone, which is useful when performing at louder volumes.
4. **TREBLE** - Adjusts the treble. Turning it clockwise increases the amount of top-end, giving your tone clarity and brightness. Turning it counter clockwise will produce a warmer sound, ideal for dialing in smoother Jazz-like tones.
5. **BRIGHT SWITCH** - Introduces added brightness and sparkle that brings out a chimy organic top end.

 **HELPFUL TIP:** Although channel 1 has no midrange control, the bass and treble settings will interactively affect this channel's midrange response. Turning up the bass and treble will effectively scoop the mids. Turning down the bass and treble will push the midrange front and center.



Channel 2 & 3 (High-Gain)

The PT15 high gain channels are based on vintage modded British tones, except more gain to spare. These channels shine at all settings, from crunch to searing metal, low, mid and high gain, it's all there with rich harmonic overtones and limitless sustain.

Things to know:

1. **GAIN** - Adjusts the overall gain of channel 2 or channel 3.
2. **LEVEL** - Adjusts the overall output of channel 2 or channel 3.
3. **BASS** - Adjusts the amount of bass. Turning it clockwise increases the amount of bottom-end, giving you a fuller tone. Turning it counter clockwise will reduce the bottom-end, which is useful when performing at louder volumes.
4. **MIDDLE** - Adjusts the midrange. Turning it clockwise increases the amount of mids. Turning it counter clockwise will reduce the mids and produce a mid-scooped sound.
5. **TREBLE** - Adjusts the treble. Turning it clockwise increases the amount of top-end, giving your tone clarity and brightness. Turning it counter clockwise will produce a warmer sound, excellent for dialing in smooth fluid-like lead tones .
6. **BRIGHT SWITCH** - Adds brightness and sparkle.



Presence & Master Volume

The Presence & Master Volume controls of the PT-15 affect all of the channels.

Things to know:

1. **MASTER** - Adjusts the overall volume output of all channels.
2. **PRESENCE** - Adjusts the amount of high frequencies added to your tone. Turning it clockwise will add more sparkle.



FX Loop & Footswitch

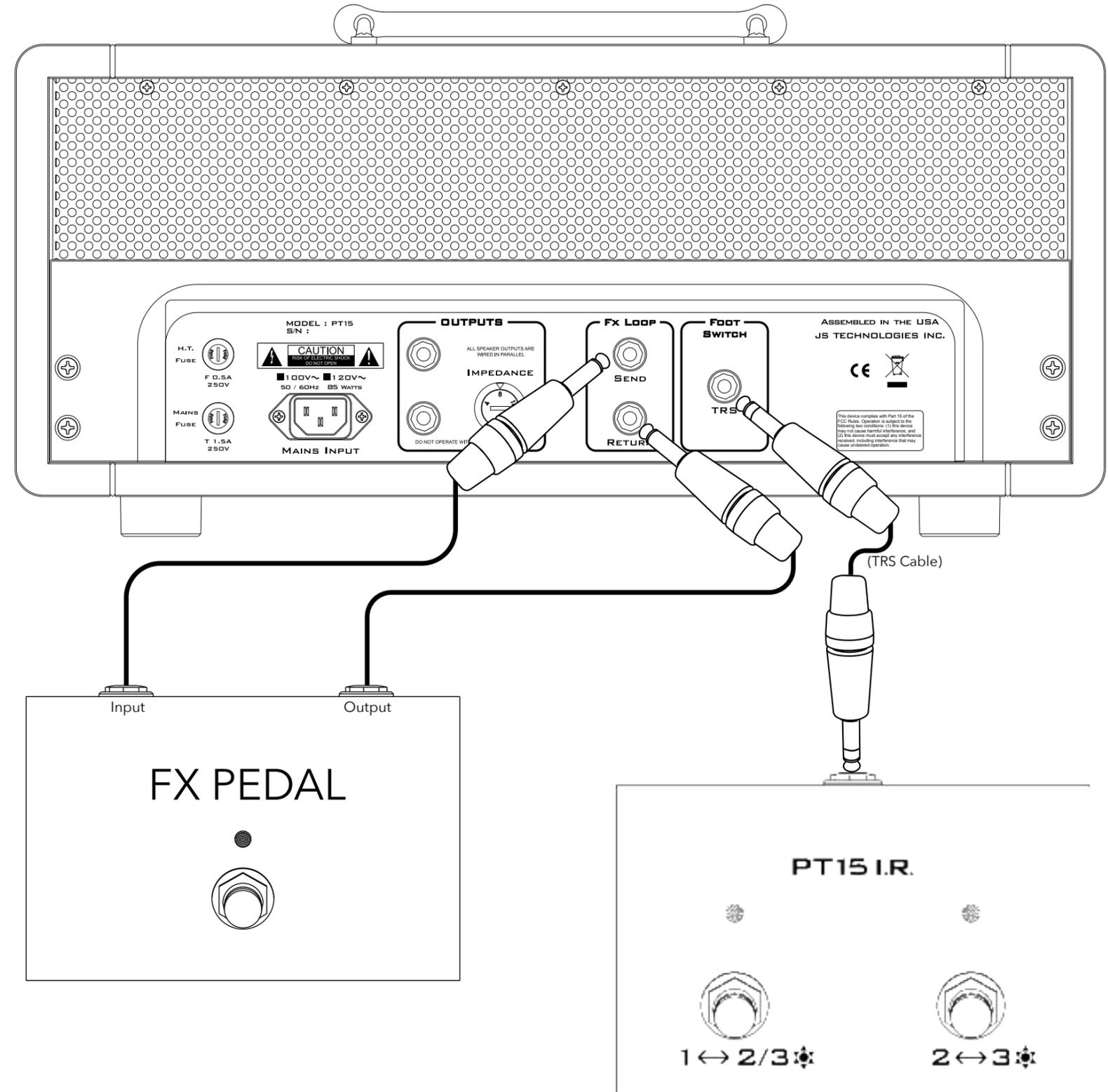
The PT15 also comes with an All Tube effects loop which allows you to put effects pedals and other devices post-pre-amp.

FX Loop Steps:

1. Connect the **FX LOOP–SEND** to the input of your effects device or chain.
2. Connect the **FX LOOP–RETURN** to the output of your effects device or chain.
3. The level appearing at this jack is dependent on the setting of the channel's level.

Footswitch Steps:

1. Connect Footswitch a stereo (TRS) cable to the **FOOTSWITCH–TRS** jack.
2. The left button (1 ↔ 2/3) will switch between the Clean channel and High-Gain channels.
3. The right button (2 ↔ 3) will switch between the two high-gain channels, channels 2 and 3. When the light is off, when you switch to the high channels, it will switch to channel 2. If the light is illuminated, it will make channel 3 active.
4. The high-gain channel you have selected (2 ↔ 3) will remain active when you switch back and forth from the clean channel.



Tubes, Fuses & Power Requirements

Tubes:

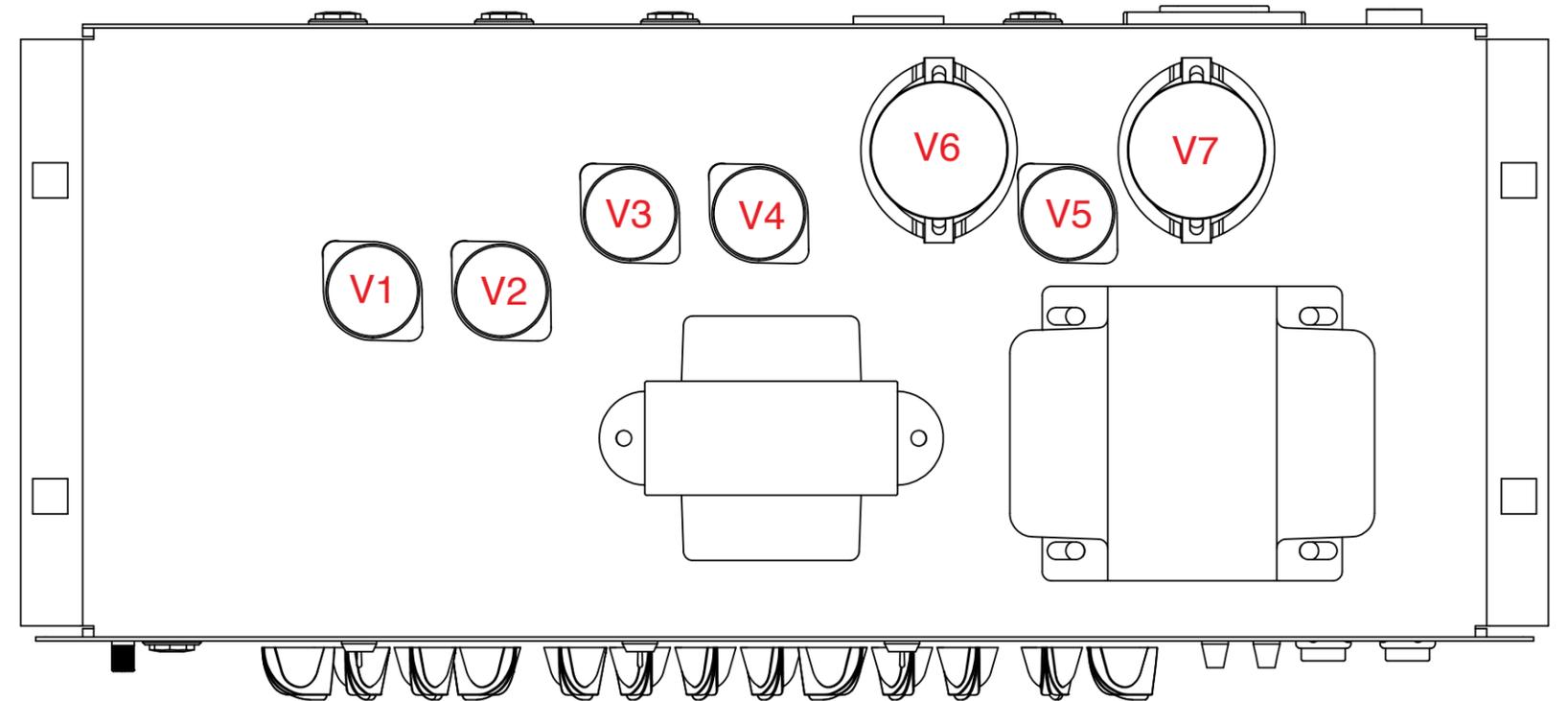
The power section of the PT15 is driven by 2x 6V6GT output tubes.

Power Section: 2x 6V6GT

Preamp, Effects loop, Phase Inverter: 5x 12AX7

TUBE POSITION LIST

V1 – (closest to input jack) Channel 1, 1st/2nd Gain Stage	12AX7A (CHN)
V2 – Channel 2 / 3, 1st/2nd Gain Stage	12AX7A (CHN)
V3 – Channel 2 / 3, Pre-EQ Buffer/Gain Stage	12AX7A (CHN)
V4 – Effects Loop Send / Return	12AX7A (CHN)
V5 – Phase Inverter	12AX7A (CHN)
V6 – Power	6V6GT (JJ)
V7 – Power	6V6GT (JJ)



Fuses & Power Requirements:

The Mains fuse used will be different depending on whether your unit is a 100V, 120V or 230V, 240V.

100V & 120V (USA,...)

Mains Fuse: **T1.5A/250V (Slo-Blo)** - 100/120VAC

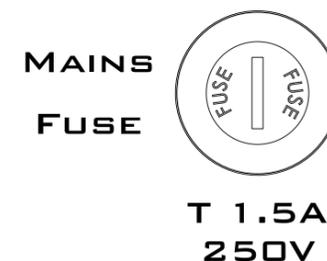
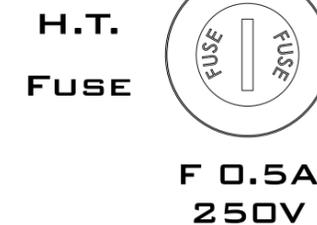
H.T. Fuse: **F.5A/250V (Fast-Blo)**

230V & 240V (UK, EUROPE,...)

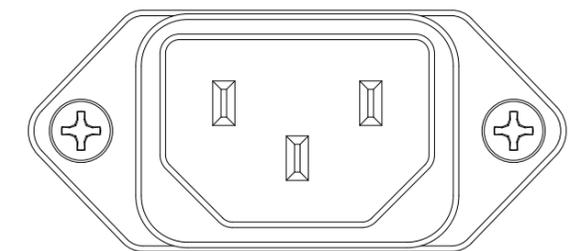
Mains Fuse: **T.75A/250V (Slo-Blo)** - 230/240VAC

H.T. Fuse: **F.5A/250V (Fast-Blo)**

MODEL : PT15
S/N :



■ 100V~ ■ 120V~
50 / 60HZ 85 WATTS



MAINS INPUT

(120V Version)

Technical Specifications

Channels: 3

Output: 15 watts

Front Panel: Input, (CH1) Bright Switch, Gain 1, Bass, Treble, Level 1, (CH 2/3): Bright 2/3 Switch, Gain 2, Gain 3, Bass, Middle, Treble, Level 2, Level 3, Channel Select Switch, Power & Stand By switch

Back Panel: H.T. Fuse, Mains Fuse, Mains Input, Parallel Speaker Outputs, Impedance Selector, FX Loop Send, FX Loop Return, Footswitch (TRS) jack

Tubes: 2 x 6V6GT (Power Section), 5 x 12AX7

FX Loop: Tube driven, buffered

Mains Fuse: T1.5A/250V (Slo-Blo) - 100/120VAC
T.75A/250V (Slo-Blo) - 230/240VAC

H.T. Fuse: F.5A/250V (Fast-Blo)

Dimensions: 20.5" (W) x 8.25" (D) x 9.25" (H)

Weight: 24.7 lbs.

ROHS Compliant: Yes

***All specifications subject to change without prior notice**

Warranty

For warranty information on the Suhr PT15 as well as all other Suhr products, please visit <https://www.suhr.com/warranty/>

NOTE: This product has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this product in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

Notice: The FCC regulations provide that changes or modifications not expressly approved by J.S. Technologies Inc. could void your authority to operate this equipment.

These limits are designed to provide reasonable protection against harmful interference in a non-residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the antenna of the radio/television receiver.
- Increase the separation between this equipment and the radio/television receiver.
- Plug the equipment into a different outlet so that the equipment and the radio/television receiver are on different power mains branch circuits.
- Consult a representative of J.S. Technologies Inc. or an experienced radio/television technician for additional suggestions.