

HIGH GAIN INPUT (1)

Used for most electric guitars. It is 6 dB louder than the Low Gain input.

LOW GAIN INPUT (2)

Provided for instruments that have extremely high outputs, which can result in overdriving (distorting) the High Gain input. If both inputs are used simultaneously, the output levels are the same (both are Low Gain).

PRE GAIN (3)

Controls the input volume level of the amplifier.

PRE-EQ PATCH JACKS (4)

Provided for connecting external effects devices into the signal path. To patch an effects device, connect the send jack to the input of the device. Connect the output of the device to the return jack. High-quality shielded cables should be used for these connections.

OPERATION NOTE:

Volume pedals may be patched in at this point; pedal output should be patched into "return", and "send" should be patched into pedal input. Instrument should connect directly to high or low gain inputs when volume pedal is connected in this configuration

LOW EQ (5)

An active tone control (shelving type, +/- 15 dB) that varies the low frequency range. CAUTION: Excessive low frequency boost causes greater power consumption and increases possibility of speaker damage.

MID EQ (6)

A passive tone control that adjusts mid frequencies.

SHIFT (7)

Shifts and selects the frequencies at which the Mid control operates.

HIGH EQ (8)

An active tone control (peak/notch type, +/- 15 dB) that varies the high frequency range.

PRESENCE (ACTIVE) (9)

An active tone control (+15dB) that varies the extreme high frequency range. 0 to +15 boost (increase).

SENSITIVITY (10)

Controls the overall volume level of the amplifier. The final level adjustment should be made after the desired sound has been achieved.

EFFECTS PATCH 1 (11)

Provided for connecting external effects devices into the signal path. To patch an effects device, connect the send jack to the input of the device. Connect the output of the device to the return jack. High-quality shielded cables should be used for these connections.

EFFECTS PATCH 2 (12)

Provided for connecting external effects devices into the signal path. To patch an effects device, connect the send jack to the input of the device. Connect the output of the device to the return jack. High-quality shielded cables should be used for these connections.

REVERB (13)

Reverberation is an echo effect. Rotate clockwise to increase the effect. Remote footswitch can control On/Off.

PILOT LIGHT LED (14)

Illuminates when AC power is being supplied to the amp.

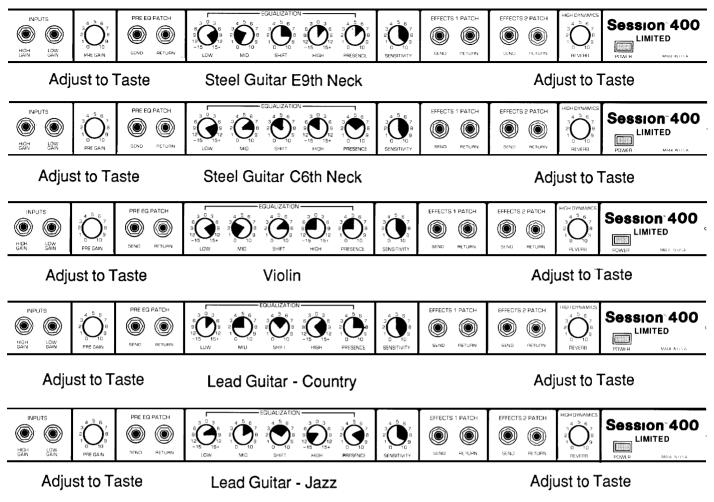
GROUND SWITCH (15)

Three position rocker-type switch which, in most applications, should be operated in its center or zero position. There may be some situations when audible hum and/or noise will come from the loudspeaker. If this situation arises, position the ground switch to either positive or negative (+ or -) or until the noise is minimized. NOTE: Should the noise problem continue, consult your Authorized Peavey Dealer, the Peavey Factory, or a qualified service technician. THE GROUND SWITCH IS NOT FUNCTIONAL ON 220/240 VOLT MODELS.

POWER SWITCH (16)

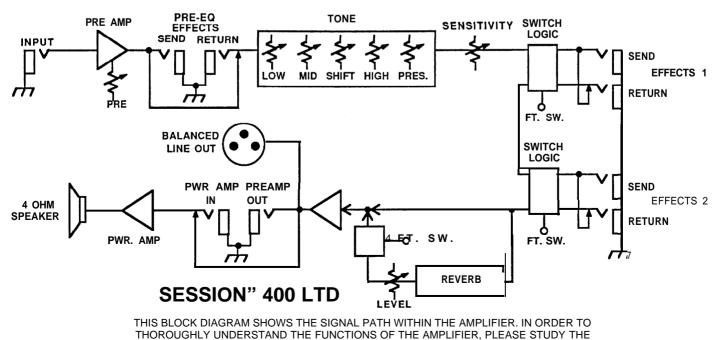
Depress the switch to the "On" position. The red pilot light (LED) will illuminate indicating power is being supplied to the unit.

Tone Settings



Tone settings given are general and will vary according to type of guitar, type and gauges of strings, type of pickup and even type of pick. Personal taste, playing style, and type of music greatly contribute to desired tonality.

BLOCK DIAGRAM



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SESSION® 400 LIMITED ENGINEERING SPECIFICATIONS

POWER AMPLIFIER SECTION

Rated Power & Load 210 Watts into 4 ohms with DDT[™] compression

Power @ Clipping: (typical) (5% THD, 1 kHz, 120 VAC line) 240 Watts RMS into 4 ohms

Frequency Response:

+0, -2 dB, 80 Hz to 10 kHz,@ 200 Watts RMS into 4 ohms

Total Harmonic Distortion:

Less than 0.2%, 100 mW to 200 Watts RMS, 60 Hz to 10 kHz, 4 ohms (typically below 0.1%)

Hum & Noise:

Greater than 100 dB below rated power

Power Consumption: (domestic) 600 Watts @ 120 VAC 60 Hz

PREAMP SECTION

The following specs are measured @1kHz with the controls preset as follows: Low & High EQ @ 0 dB Mid & Shift EQ @ 10 Presence EQ @ 0

Sensitivity @ 5 High dynamics reverb @ 0

Nominal levels are with pre gain @ 5 Minimum levels are with pre gain @ 10

Preamp High Gain Input:

Impedance: High Z, 220 K ohms Nominal Input Level: -22 dBv, 80 mV RMS Minimum Input Level: -36 dBv, 15mVRMS Maximum Input Level: +10 dBv, 3.0 V RMS

Preamp Low Gain Input: (6 dB pad)

Impedance: High Z, 44 K ohms Nominal Input Level: -16 dBv, 160 mV RMS Minimum Input Level: -30 dBv, 30 mV RMS Maximum Input Level: +16 dBv, 6.0 V RMS

Pre EQ Patch Send: (pedal send)

Load impedance: 10 K ohms or greater Nominal output: -12 dBv, 0.25 V RMS Maximum output: +8 dBv, 2.5 V RMS

Pre EQ Patch Return: (pedal return)

Impedance: High Z, 220 K ohms Designed input level: -12 dBv, 0.25 V RMS (Switching jack providing pre EQ patch send to pre EQ patch return connection when not used)

Effects 1 & 2 Patch Sends:

Load impedance: 1 K ohms or greater Nominal output: -10 dBv, 0.3 V RMS Maximum output: +10 dBv, 3 V RMS

Effects 1 & 2 Patch Returns:

Impedance: High Z, 100 K ohms Designed Input Level: -10 dBv, 0.3 V RMS (Switching jacks providing effects patch send to effects patch return connections when not used)

Preamp Out:

Load impedance: 1 K ohms or greater Nominal Output: 0 dBv, 1 V RMS Maximum Output: +18 dBv, 8 V RMS

Power Amp In:

Impedance: High Z, 10 K ohms Designed Input Level: 0 dBv, 1 V RMS (Switching jack providing preamp out to power amp in connection when not used)

Balanced Line Out:

Load Impedance: 600 ohms or greater Nominal Output: -10 dBv, 0.3 V RMS Maximum Output: +10 dBv, 3 V RMS (XLR male connector, transformer driven; special equalization circuitry employed)

System Hum & Noise @ Nominal Input Levels:

(20 Hz to 20 kHz unweighted) 84 dB below rated power

Equalization:

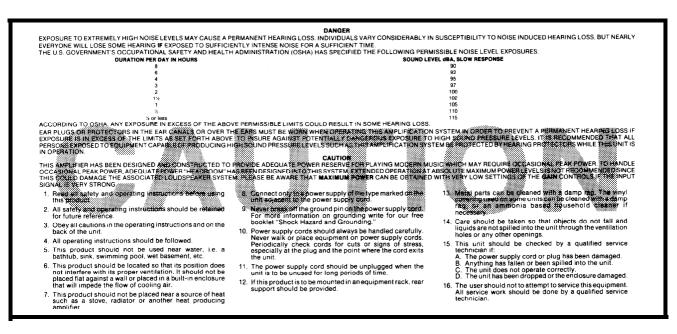
Low: +/-15dB@ 80 Hz, active shelving Mid: +0, -12 dB, passive notch Shift: 300 Hz to 1 kHz range of mid notch High: +/-15 dB@ 2 kHz, active peak/notch Pres: -0, +15dB@ 8 kHz, active shelving

External Footswitch Function:

Reverb defeat (when reverb control raised) Effects 1 patch return defeat Effects 2 patch return defeat

AN OPTIONAL COVER IS AVAILABLE FOR THE SESSION @ 400 LIMITED DIRECTLY FROM THE FACTORY. THE PART NUMBER IS #6890065 AND THE COST IS \$21.00.

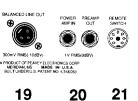
Prices, features and specifications are subject to change without notice.





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LINE CORD (17)

(120V products only)

For your safety, we have incorporated a 3-wire line (mains) cable with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the equipment without proper grounding facilities, suitable grounding adaptors should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles.

SPEAKER JACK (18)

Provided for connection of internal and/or external speakers. Minimum total impedance is 4 ohms.

BALANCED LINE OUT (19)

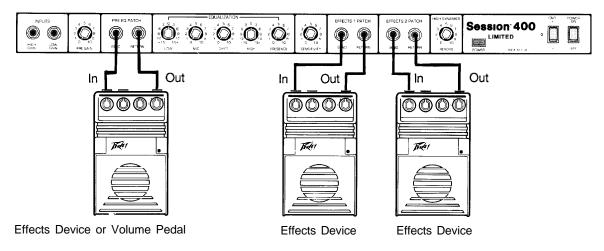
Provides 600 ohm, transformer balanced signal to be used as "direct" patch into mixing consoles, tape recorders, etc. The signal at this point has been frequency compensated for low noise operation.

PREAMP OUT/POWER AMP IN (20)

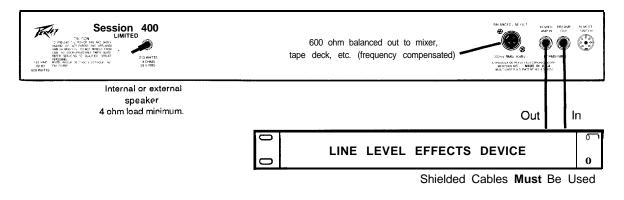
These jacks are provided for in-line patching of effects devices. To patch an effects unit, connect the Preamp Output to the Input of the device. Next, connect the output of the device to the Power Amp Input (high-quality shielded cables must be used for these connections). The Preamp Output can also be used to route the amplified signal to a mixing console, tape recorder, etc. Connect the Preamp Output, using a shielded cable, to an input of the tape recorder, mixer, etc. This patch does not affect the operation of the amplifier. NOTE: The preamp output level is approximately 1 volt RMS and is of relatively low impedance (600 ohms). Any effects device used in this effects loop must be capable of receiving 1 volt input and providing 1 volt output in order to properly drive the power amp. The Power Amp Input has an internal switch which disconnects the internal preamp.

FOOTSWITCH JACK (21)

Provided for connection of the supplied remote footswitch. Footswitch is used to defeat reverb, post effects loop 1, and post effects loop 2.



Shielded Cables Must Be Used



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If this product contains tubes or meters, Peavey warrants thefubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions and limitations hereinafter set forth.

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- c. The product has been damaged by accident or unreasonable use, neglect, Improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
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- In order to obtain service under these warranties, you must:
- a. Bring the defective item to any AUTHORIZED PEAVEY DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product. If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or
- AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

OR

b. Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION

International Service Center

Highway 80 East MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavev's receipt of these Items:

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INSTRUCTIONS -WARRANTY REGISTRATION CARD 1. Mail the completed WARRANTY REGISTRATION CARD to:

PEAVEY ELECTRONICS CORPORATION POST OFFICE BOX 2898

MERIDIAN, MISSISSIPPI 39302-2898

a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. There will be no identification card issued by Peavey Electronics Corporation.

- 2. IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESS:
- a. Completion and mailing of WARRANTY REGISTRATION CARDS-Should notification become necessaryforanycondition that may requirecorrection, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
- Notice of address changes If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.

3. You may contact Peavey directly by telephoning (601) 483-5365.

4. Please have the Peavey product name and serial number available when communicating with Peavey Customer Service



Features and specifications subject to change without notice.

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