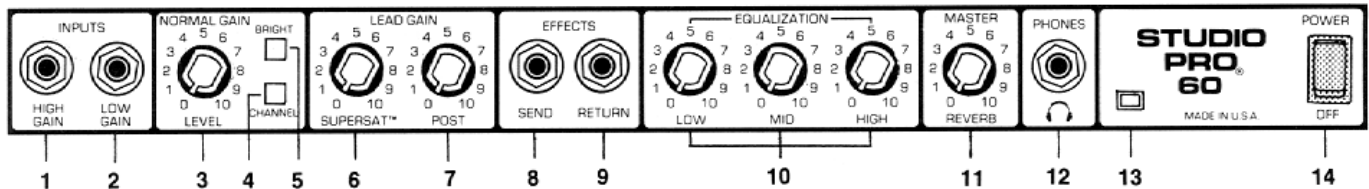




STUDIO PRO® 60

OPERATING GUIDE

WARNING
 TO PREVENT ELECTRICAL SHOCK OR FIRE HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. BEFORE USING THIS APPLIANCE, READ BACK COVER FOR FURTHER WARNINGS.



HIGH GAIN INPUT (1)
 Used for most electric guitars. It is 6 dB louder than the Low Gain input.

HIGH GAIN INPUT (1)
 Dieser Eingang kann für die meisten elektrischen Gitarren verwendet werden. Er ist 6 dB empfindlicher als der Low Gain Input.

HIGH GAIN INPUT (1)
(Entrée Haut Gain)
 Cette prise sera utilisée pour la plupart des guitares électriques. Elle donne un gain supérieur de 6 dB à l'entrée Low Gain.

HIGH GAIN INPUT (1)
(Entrada de Alta Potencia)
 Esta entrada es usada en su mayoría para guitarras eléctricas. Tiene 6 decibeles mas que la Entrada de Baja Potencia.

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).

LOW GAIN INPUT (2)
 Dieser Eingang ist für die Instrumente vorgesehen, die ein besonders hohes Ausgangssignal erzeugen. Falls beide Eingänge gleichzeitig benutzt werden, sind die Ausgangssignale gleich (beide sind dann Low Gain).

LOW GAIN INPUT (2)
(Entrée Faible Gain)
 Cette prise acceptera les instruments à haut niveau de sortie qui causeraient une saturation (distorsion) sur l'entrée High Gain. Si les deux entrées sont utilisées simultanément, les deux niveaux seront alors équivalents (faible gain).

LOW GAIN INPUT (2)
(Entrada de Baja Potencia)
 Esta entrada está provista para instrumentos que tienen una salida extremadamente alta, la cual puede causar distorsión en la entrada de alta potencia. Si ambas entradas son usadas simultaneamente, el volumen de salida es el mismo (ambos son de baja potencia).

LEVEL (3)
 Controls the volume level of the normal channel and is not affected by the SuperSat™ or Post Gain controls.

LEVEL (3)
 Kontrolliert die Lautstärke des Normal-Kanals und wirkt sich nicht aus auf SuperSat™ oder Post Gain Regler.

LEVEL (3)
(Volume)
 Contrôle du niveau de volume du canal normal indépendant du gain d'entrée et de la distorsion (SuperSat).

LEVEL (3)
(Nivel)
 Controla el nivel de volumen del canal normal, no le afectan los controles SuperSat™ o PostGain.

BRIGHT SWITCH (4)
 Provides a preset boost (+6 dB) to treble frequencies. To activate, depress the switch to its "in" position.

BRIGHT SWITCH (4)
 Besorgt einen voreingestellten Schub (+6dB) in den hohen Frequenzen. Zur Aktivierung den Knopf in die "In"-Position drücken.

BRIGHT SWITCH (4)
(BRILLANCE)
 Booster (+6dB) des fréquences aigües la mise en fonction s'effecue en enfonçant le bouton (position IN)

BRIGHT SWITCH (4)
(Interruptor de brillo)
 Proporciona un aumento (+6dB) en frecuencias agudas. Para activarlo, poner el interruptor en la posición "in".

CHANNEL SELECT SWITCH (5)
 Allows selection of the lead or normal channel. The "in" position of the switch selects the lead channel and the "out" position selects normal.

CHANNEL SELECT SWITCH (5)
 Erlaubt die Auswahl des Lead- oder des Normal-Kanals. Die "In"-Position des Schalters wählt den Lead-Kanal, die "Out"-Position den Normal-Kanal an.

CHANNEL SELECT SWITCH (5)
(Selecteur de Canaux)
 Selecteur du canal lead ou du canal normal. La position IN sélectionne le canal lead et la position OUT le canal normal.

CHANNEL SELECT SWITCH (5)
(Interruptor para selección de canal)
 Para cambiar de canal "normal" a canal "Lead". La posición "in" corresponde a "Lead" y la posición "out" a normal.

NOTE:
 Channel selection may also be accomplished by the remote foot-switch. If remote selection is desired the channel switch must be in the "in" (lead) position.

NOTE:
 Die Kanalwahl kann auch per Fußpedal eingeschaltet werden. Wenn per Fußpedal gewünscht wird, muß der Kanalschalter in der "In"- (Lead) Position stehen.

NOTE:
 la sélection des canaux peut également s'effectuer à l'aide d'une pédale switch.

NOTE:
(Nota):
 El cambio de canal se puede hacer también por pedal. En este caso el interruptor de selección de canal deberá estar en la posición "in" (Lead).

SUPERSAT™ (6)

A transistor simulation of tube distortion (soft clipping). To activate the SuperSat™ effect, lead channel must be activated.

POST GAIN (7)

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

EFFECTS SEND (8)

Output for supplying signals to external low-level effects or signal processing equipment.

EFFECTS RETURN (9)

Input for returning signals from external low-level effects or signal processing equipment.

LOW, MID & HIGH EQ (10)

Passive tone controls that regulate the low, mid and high frequencies, respectively.

MASTER REVERB (11)

Controls the overall reverb level.

HEADPHONE OUT (12)

This stereo jack allows the signal to flow to both sides of any stereo headset. When headphones are connected to the amplifier, the internal speaker is automatically turned off. NOTE: The headphone system will not work with headsets equipped with a mono phone plug.

POWER LED (13)

Illuminates when AC power is being supplied to the amp.

POWER SWITCH (14)

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

SUPERSAT™ (6)

Eine transistorsimulierte Röhrenverzerrung (sanftes Obersteuern). Um den SuperSat-Effekt zu aktivieren, muß der Lead-Kanal eingeschaltet sein.

POST GAIN (7)

Kontrolliert den gesamten Lautstärkepegel des Hauptkanals (Mastervolumen). Die endgültige Lautstärke-regelung sollte vorgenommen werden, nachdem der gewünschte Sound eingestellt ist.

EFFECTS SEND (8)

Ausgang für Zuliefersignale zu externen niederohmigen Effekten oder Signal-Prozessoren.

EFFECTS RETURN (9)

Eingang für rückführende Signale von niederohmigen Effekten oder Signal-Prozessoren.

LOW, MID & HIGH EQ (10)

Hierbei handelt es sich um passive Klangregler, die tiefe, mittlere und hohe Frequenzen entsprechend regeln.

MASTER REVERB (11)

(Master Reverb)
Regler für den Gesamtanteil des Halls.

HEADPHONE OUT (12)

(Kopfhörerausgang)
Diese Stereo-Klinkenbuschse ermöglicht den Signallauf zu beiden Seiten eines Stereokopfhörers. Wenn an den Verstärker ein Kopfhörer angeschlossen ist, wird der eingebaute Lautsprecher automatisch abgeschaltet.

POWER LED (13)

Zeigt die eingeschaltete Netzspannung an.

POWER SWITCH (14)

(Netzschalter)
Bringen Sie den Schalter auf die ON-Position. Die rote Kontrolllampe (LED) leuchtet und zeigt an, daß das Gerät eingeschaltet ist.

SUPERSAT™ (6)

Distorsión de válvulas (clipping suave) conseguida mediante transistores. Para activarlo deberá estar conectado el canal "Lead".

POST GAIN (7)

(Volume Aval)
Comande le volume général du canal Lead (Solo). Ce réglage de niveau sera effectué après avoir obtenu le son souhaité par les autres réglages.

EFFECT SEND (8)

(Sortie Effet)
Entrée permettant le branchement d'effets extérieurs (égaliseurs, compresseurs etc...)

EFFECT RETURN (9)

(Retour Effet)
Entrée permettant le retour des effets extérieurs

LOW, MID & HIGH EQ (10)

(Tonalite Grave, Medium, et Aigu)
Ces trois réglages passifs commandent respectivement les niveaux des fréquences graves, mediums et aigues.

MASTER REVERB (11)

(Volume Général Réverb)
Comande le niveau général de l'effet réverbération.

HEADPHONE OUT (12)

(Prise Casque)
Cette prise jack stéréo admet n'importe quel casque stéréo en y envoyant le signal sur les deux écouteurs. (Ne pas utiliser de casque avec prise mono).
Lorsqu'un casque est branché, le haut-parleur incorporé est automatiquement mis hors circuit.

POWER LED (13)

(Diode-Témoin de Mise Sous Tension)
S'allume lorsque l'ampli est alimenté par le secteur.

POWER SWITCH (14)

(Interrupteur Secteur)
Interrupteur général. En position Marche, une diode LED rouge s'allume.

SUPERSAT™ (6)

(DISTORSION)
Simulation du son distorsion à tube (ne fonctionne que sur le canal lead)

POST GAIN (7)

(Control de Volumen Posterior al Preamplificador)
Controla el volumen general del canal de la guitarra. El ajuste final debe hacerse después de que el sonido deseado ha sido archivado.

EFFECTS SEND (8)

(Envío de efectos)
Salida para efectos exteriores, de bajo nivel, o para procesadores de señal.

EFFECTS RETURN (9)

(Retorno de efectos)
Entrada para retorno de señal de efectos exteriores, de bajo nivel o para procesadores de señal.

LOW, MID & HIGH EQ (10)

(Ecuador de Frecuencias Bajas, Medios y Agudos)
Controles de tono pasivos que regulan las frecuencias bajas, medias y altas respectivamente.

MASTER REVERB (11)

(Control Maestro de Reverberación)
Controla el nivel general de la reverberación.

HEADPHONES OUT (12)

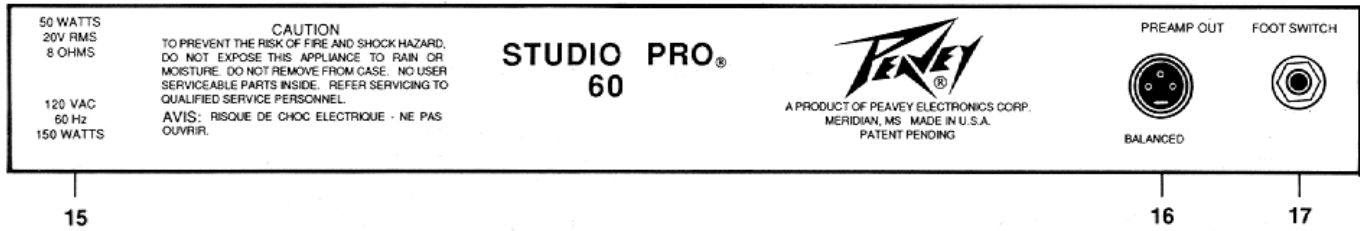
(Salida para audífonos)
Esta salida es un jack estéreo que permite usar audífonos comunes escuchando la señal en ambos lados. Cuando se conectan los audífonos a esta señal de salida, los altavoces de amplificador son automáticamente desconectados.
NOTA: Use solo audífonos con "plug" (conector) estéreo, de otra manera el sistema no trabajará.

POWER LED (13)

(Power LED)
Encendido cuando se prende el aparato.

POWER SWITCH (14)

(Interruptor de Poder)
Presione el interruptor a la posición de encendido (ON). La luz roja del piloto (indicador) se encenderá indicando que la unidad esta recibiendo el poder.



**LINE CORD (15)
(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.

**LINE CORD (15)
(120V products only)**

(nur bei 120 Volt-Geräten)
Zu Ihrer Sicherheit haben wir das Gerät mit einem dreiadrigen geerdeten Netzkabel versehen. Es ist unter keinen Umständen empfehlenswert den Erdungskontakt des Anschlußkabels zu lösen. Falls es notwendig sein sollte, das Equipment ohne die vorgesehene Erdung zu betreiben empfiehlt sich die Verwendung eines Grounding Adaptors. Die geringsten Störgeräusche und die höchste Sicherheit vor elektrischen Schlägen wird jedoch durch die Benutzung der vorgesehenen Erdungsmöglichkeiten erreicht.

**LINE CORD (15)
(Cordon secteur)**

Cet appareil est équipé d'une fiche secteur à 3 broches avec mise à la terre. La mise à la terre diminue le bruit de fond et assure la sécurité nécessaire à l'emploi de cet appareil électrique.

**LINE CORD (15)
(120 V Solamente)**

Para su protección hemos incorporado un cable de 3 alambres con tierra. No es recomendable el remover la pata de tierra bajo ninguna circunstancia, se recomienda un adaptador en caso necesario. Esto reducirá ruidos y peligrosos corrientazos.

PREAMP OUT (16)

The preamp output can 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.

**PREAMP OUT (16)
(Vorstufenausgang)**

Dieser Ausgang kann zum Anschluß des Verstärkers an einen Mixer, eine Bandmaschine, etc. verwendet werden. Verbinden Sie den Ausgang mit Hilfe eines abgeschirmten Kabels mit dem Eingang des entsprechenden Gerätes. Dieser Anschluß beeinflußt die Funktionen des Verstärkers nicht.

**PREAMP OUT (16)
(Sortie Préampli)**

Cette sortie sera utilisée pour amener le signal (niveau ligne) vers une table de mixage, un magnétophone, etc. ... Le branchement nécessite un câble blindé. Il n'affecte en rien le fonctionnement de l'amplificateur.

**PREAMP OUT (16)
(Salida de Preamplificador)**

La salida del preamplificador, puede ser usada para "derivar" la señal de su instrumento, por ejemplo a la consola de mezcla - principal para después ser amplificada y ecualizada con el propósito de que se escuche por el "P.A."*; o también puede conectarse a la entrada de "línea" de cualquier grabadora, etc. sin afectar las operaciones normales de su amplificador.
NOTA* P.A. es la abreviatura de Public Address System (Sistema de amplificación dirigido al público). Para estas interconexiones como todas las demás que son posibles con los amplificadores - Peavey (salvo las conexiones de altavoces) debiera usarse cable - blindado de la mejor calidad posible, por ejemplo: cable Peavey - model s/s #0005495 al 0005497.

REMOTE SWITCH JACK (17)

Provided for the connection of the optional remote footswitch. Footswitch is used to select the Lead or Normal channels and defeat reverb. When using remote footswitch, always insert the plug fully (second click) to ensure proper operation.

**REMOTE SWITCH JACK (17)
(Remote Switch Jack)**

Vorgesehen für den Anschluß des als Option erhältlichen Fußschalters. Der Fußschalter kann zum Anwählen des Normal- und Leadkanals sowie zum Schalten des Halls verwendet werden. Um eine einwandfreie Funktion zu gewährleisten, ist beim Anschluß des Fußschalters darauf zu achten, daß der Stecker vollständig (bis zum 2. Klick) eingesteckt ist.

**REMOTE SWITCH JACK (17)
(Prise pour interrupteur à distance)**

Cette prise reçoit la fiche de la pédale interrupteur (en option). Les interrupteurs au pied ont pour fonctions le choix du canal en service (Lead ou Normal) et la mise en ou hors service de la Réverbération. Veiller à bien enfoncer la fiche à fond dans la prise jusqu'au deuxième cran.

**REMOTE SWITCH JACK (17)
(Entrada para el switch de control remoto)**

Prevista para la conexión del pedal remoto opcional. El switch del pedal es usado para seleccionar el requinto o el canal normal y para desactivar la reverberación. Cuando este usando el pedal remoto inserte el conector completamente (hasta el segundo clic) para asegurar su correcta operación.

STUDIO PRO 60 ENGINEERING SPECIFICATIONS

POWER AMPLIFIER SECTION:

RATED POWER & LOAD:

50W RMS into 8 ohms

POWER @ CLIPPING: (Typically)

(5% THD, 1 kHz, 120 VAC line)

55W RMS into 8 ohms

4 ohms not recommended

FREQUENCY RESPONSE:

+0, -2 dB 60 Hz to 20 kHz @ 45 watts into 8 ohms

TOTAL HARMONIC DISTORTION:

Less than 0.3%, 100 mW to 45W RMS,

60 Hz to 10 kHz, 8 ohms

Typically below 0.2%

HUM & NOISE:

Greater than 90 dB below rated power

POWER CONSUMPTION:

150 watts, 50/60 Hz, 120 VAC

PREAMP SECTION:

The following specs are measured @ 1 kHz with the controls preset as follows:

Push Bright (Off/Out)

Channel Select (Norm/Out)

Supersat™ @ 10

Post Gain @ 10

Low & High EQ @ 20

Mid EQ @ 0

Reverb @ 0

Nominal levels are with Normal Gain level @ 5

Minimum levels are with Normal Gain level @ 10

PREAMP HIGH GAIN INPUT:

Impedance: High Z, 220K ohms

Nominal Input Level: -20 dBV, 100 mV RMS

Minimum Input Level: -36 dBV, 15 mV RMS

Maximum Input Level: +4 dBV, 1.5 V RMS

PREAMP LOW GAIN INPUT:

Impedance: High Z, 44K ohms

Nominal Input Level: -14 dBV, 200 mV RMS

Minimum Input Level: -30 dBV, 30 mV RMS

Maximum Input Level: +10 dBV, 3 V RMS

EFFECTS SEND:

Load Impedance: 10K ohms or greater

Nominal Output: -10 dBV, 0.3 V RMS

EFFECTS RETURN:

Impedance: High Z, 22K ohms

Designed Input Level: -10 dBV, 0.3 V RMS

(Switching jack providing effects send to effects return connection when not used)

PREAMP OUT:

Load Impedance: 600 ohms or greater

Nominal Output: -10 dBV, 0.3 V RMS

(Transformer balanced/XLR connector)

HEADPHONE OUTPUT:

Load Impedance: 4 ohms or greater

Nominal Power Output: 100 mW into 4 ohms

(Stereo jack, monaural signal, disconnects internal speaker when phone plug is inserted)

SYSTEM HUM & NOISE @ NOMINAL INPUT LEVEL:

(20 Hz to 20 kHz unweighted)

72 dB below rated power

EQUALIZATION:

Special Low, Mid & High passive-type EQ

Automatic thick EQ when lead channel selected

Push Bright: +6 dB @ 2 kHz

EXTERNAL FOOTSWITCH FUNCTION:

Reverb defeat (When reverb control raised)

Lead Channel defeat (When selected with button)

DANGER
EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY IN SUSCEPTIBILITY TO NOISE INDUCED HEARING LOSS. BUT NEARLY EVERYONE WILL LOSE SOME HEARING IF EXPOSED TO SUFFICIENTLY INTENSE NOISE FOR A SUFFICIENT TIME.
THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAS SPECIFIED THE FOLLOWING PERMISSIBLE NOISE LEVEL EXPOSURES.

DURATION PER DAY IN HOURS

8
6
4
3
2
1 1/2
1
1/2
1/4 or less

SOUND LEVEL dBA, SLOW RESPONSE

90
92
95
97
100
102
105
110
115

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS OF THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS.

EAR PLUGS OR PROTECTORS IN THE EAR CANALS OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS IF EXPOSURE IS IN EXCESS OF THE LIMITS AS SET FORTH ABOVE. TO INSURE AGAINST POTENTIALLY DANGEROUS EXPOSURE TO HIGH SOUND PRESSURE LEVELS, IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS SUCH AS THIS AMPLIFICATION SYSTEM BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

CAUTION

THIS AMPLIFIER HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC WHICH MAY REQUIRE OCCASIONAL PEAK POWER. TO HANDLE OCCASIONAL PEAK POWER, ADEQUATE POWER "HEADROOM" HAS BEEN DESIGNED INTO THIS SYSTEM. EXTENDED OPERATION AT ABSOLUTE MAXIMUM POWER LEVELS IS NOT RECOMMENDED SINCE THIS COULD DAMAGE THE ASSOCIATED LOUDSPEAKER SYSTEM. PLEASE BE AWARE THAT MAXIMUM POWER CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE GAIN CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia based household cleaner if necessary.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
 - A. The power supply cord or plug has been damaged.
 - B. Anything has fallen on or been spilled into the unit.
 - C. The unit does not operate correctly.
 - D. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.



Due to our efforts for constant improvement, features and specifications listed herein are subject to change without notice.

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