

Envoy® 110

TRANSTUBE™ SERIES

— OPERATING GUIDE —



TRANSTUBE 
TECHNOLOGY
PATENTS APPLIED FOR





Intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risk of electrical shock – DO NOT OPEN!

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.



Este simbolo tiene el propósito de alertar al usuario de la presencia de "(voltaje) peligroso" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.



Este simbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.

PRECAUCION: Riesgo de corrientazo – No abra.

PRECAUCION: Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

ADVERTENCIA: Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.



Ce symbole est utilisé pour indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.

ATTENTION: Risques de choc électrique – NE PAS OUVRIR!

ATTENTION: Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

AVERTISSEMENT: Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide.



Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.



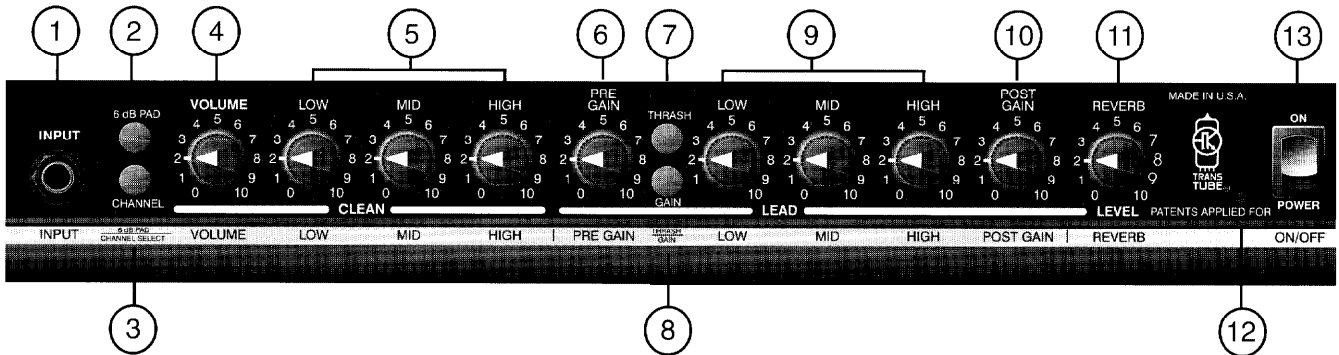
Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

VORSICHT: Risiko – Elektrischer Schlag! Nicht öffnen!

VORSICHT: Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

ACHTUNG: Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

ENGLISH



Congratulations on your purchase of the all new Envoy 110™ TransTube™ Series. This amp represents years of research on vacuum tube emulation, resulting in a totally new Envoy. The preamp has been redesigned using patent-applied for technology that redefines tube-like distortion and harmonic generation in solid-state amps.

The new T. Dynamics circuitry, also awaiting several patents, creates the long sought for tube power compression phenomenon. This, when combined with the preamp circuitry, yields the closest tube amp simulation to date.

To further enhance the performance of the Envoy 110 TransTube, an external speaker jack is provided along with a preamp out jack for greater flexibility.

Front Panel:

INPUT (1)

This input will accept signals from all types of guitar pickups.

6 dB PAD SWITCH (2)

Provided for instruments that have extremely high output, which can result in overdriving (distorting) the input gain stage. Depressing the switch to its “in” position reduces the level of the input signal by 6 dB.

CHANNEL SELECT SWITCH (3)

Allows selection of the Lead or Clean channel. The “in” position of the switch selects the Lead channel and the “out” position selects the Clean channel.

NOTE: Channel selection may also be achieved by the remote footswitch. If remote selection is desired, the channel switch must be in the “in” (Lead) position.

VOLUME (4)

Controls the volume level of the Clean channel.

LOW, MID, and HIGH EQ - CLEAN CHANNEL (5)

Passive tone controls that regulate the low, mid, and high frequencies of the Clean channel.

PRE GAIN (6)

Controls the input gain of the Lead channel.

THRASH SWITCH (7)

Notches the mid range about 20 dB.

GAIN SWITCH (8)

Boosts the overall system gain. Depress to the “in” position to activate.

LOW, MID, and HIGH EQ - LEAD CHANNEL (9)

Passive tone controls that regulate the low, mid, and high frequencies of the Lead channel.

POST GAIN (10)

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

REVERB LEVEL (11)

Controls the overall reverb level.

POWER LED (12)

Illuminates when AC power is being supplied to the amp.

POWER SWITCH (13)

Depress the switch to the “on” position. The red LED will illuminate indicating power is being supplied to the unit.

Back Panel:



LINE CORD (120 V products only) (14)

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

EXTERNAL SPEAKER JACK (15)



Provided for connection of external speaker cabinet. Minimum total impedance is 8 ohms. Disconnects internal speaker when used.

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.

REMOTE SWITCH JACK (17)

Provided for the connection of the optional remote footswitch. The footswitch is used to select the Lead or Clean channel and defeat Reverb. When using remote footswitch, always insert plug fully (second click) to insure proper operation.

NOTE: The Channel Select switch must be in the “in” position in order for the footswitch to function properly.

SPECIFICATIONS

Rated Power and Load:

40 W RMS into 6 ohms
4 ohms not recommended

Power at Clipping: (typically)

(5% THD, 1kHz, 120 V AC line)
40 W RMS into 6 ohms

Frequency Response:

+0, 3 dB, 60 Hz to 20 kHz
at 25 W RMS into 6 ohms

Power Consumption:

Domestic: 75 watts, 50/60 Hz, 120 V AC
Export: 75 watts, 60 Hz, 220-230/240 V AC

PREAMP SECTION

The following specs are measured at 2 kHz with the controls preset as follows:

Channel Select Normal (out)

Low & High at 10

Mid at 0

Pre & Post Gain at 10

Gain & Thrash, Off (out)

Normal levels are with normal volume at 5

Minimum levels are with normal volume at 10

Preamp High Gain Input:

Impedance: High-Z, 1 M ohm
Nominal Input Level: -18 dBV, 120 mV RMS
Minimum Input Level: -30 dBV, 30 mV RMS
Maximum Input Level: 0 dBV, 1 V RMS

Preamp Low Gain Input:

Impedance: High-Z, 44 kohms
Nominal Input Level: -12 dBV, 240 mV RMS
Minimum Input Level: -24 dBV, 60 mV RMS
Maximum Input Level: 6 dBV, 2 V RMS

Preamp Output:

Lead Impedance: 1 k ohm or greater
Nominal Output Level: 0 dBV, 1 V RMS

System Hum & Noise at Nominal Input Level:

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

Equalization:

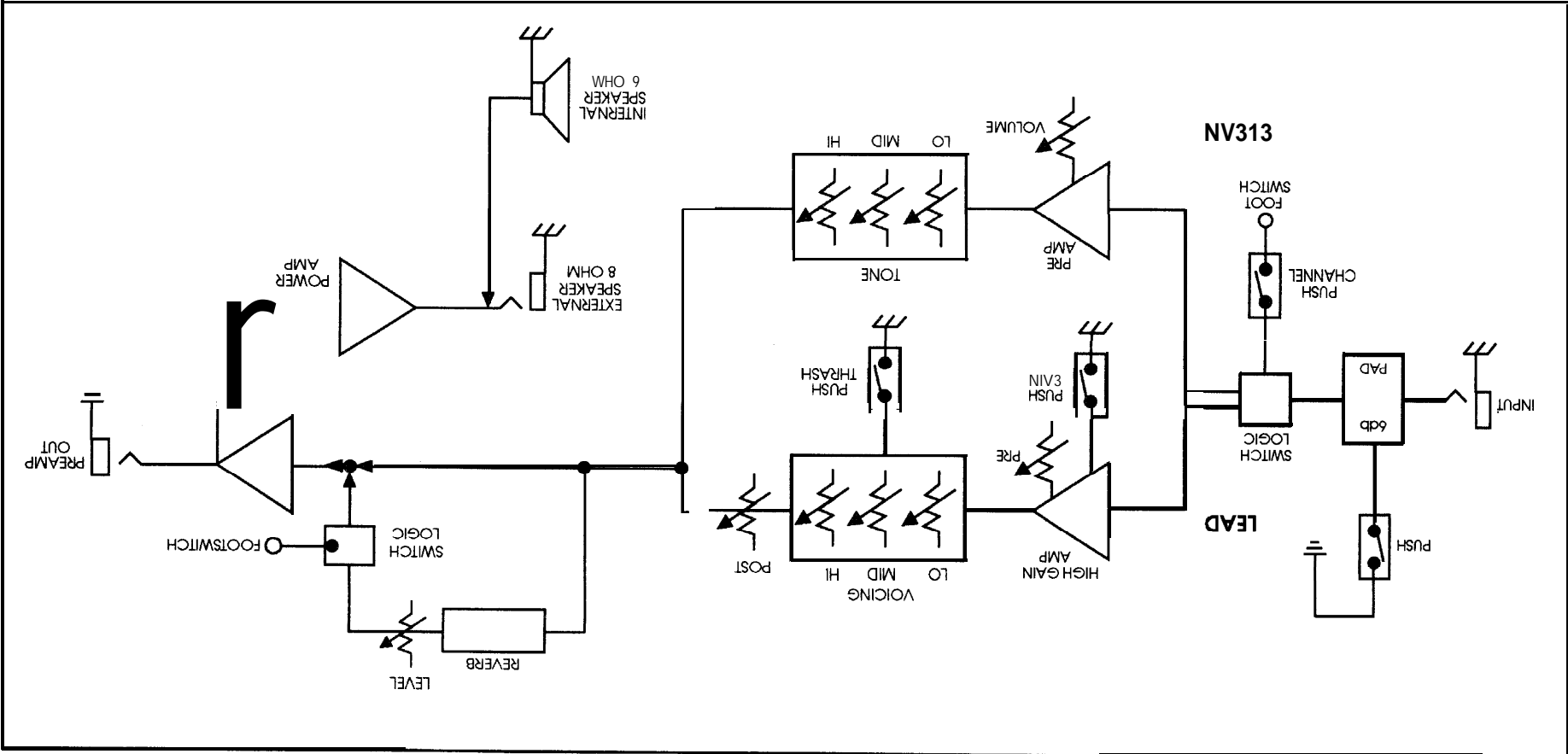
Special low, mid, & high passive type EQ
Push Thrash: -20 dB notch at 1kHz in Lead channel
Push Gain: Increases Lead gain

External Footswitch Functions:

Lead Channel Defeat (whenselectedwithbutton)
Reverb Defeat

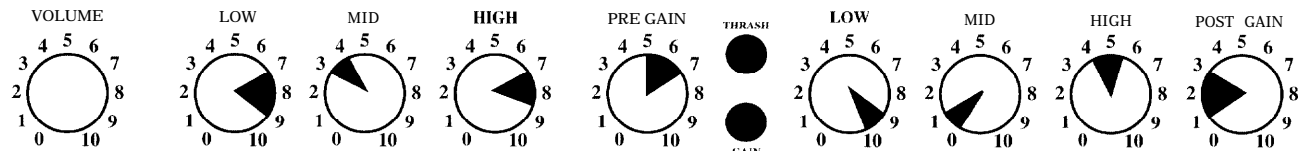


*Due to our efforts for constant improvements,
features and specifications listed herein are subject to change without notice.*



Tone Settings

“IN”



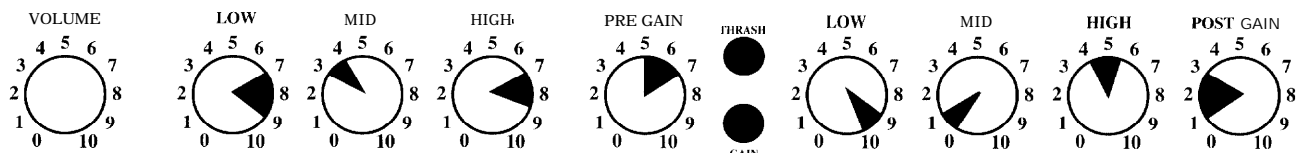
CLEAN

LEAD

CLEAN

METAL

“OUT”



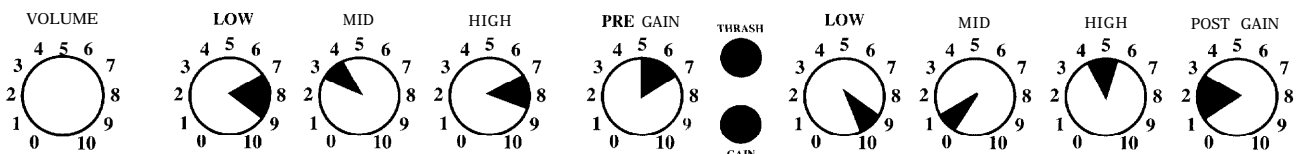
CLEAN

LEAD

JAZZ

MEDIUM DISTORTION

“OUT”



CLEAN

LEAD

CLEAN BLUES

DIRTY BLUES

“OUT”

ESPAÑOL

Consulte los diagramas del panel delantero y detrás en la sección de inglés de este manual.

Felicidades por tu compra del totalmente nuevo Envoy 110™ de la Serie TransTube™. Este amplificador representa años de investigación sobre la emulación de tubos de vacío, que tienen como resultado el nuevo Envoy. El preamplificador ha sido rediseñado usando tecnología de Patente solicitada que redefine la distorsión y generación armónica similares a las que producen los bulbos en amplificadores de estado sólido.

Los nuevos circuitos T. Dynamics, que también esperan varias patentes, crean el tan buscado fenómeno de compresión de potencia de los bulbos. Esto, combinado con los circuitos del preamplificador, ofrece la simulación de amplificador de bulbos más cálida a la fecha.

Para mejorar aún más el desempeño del Envoy 110 TransTube, se ofrece un enchufe para altavoz externo junto con un enchufe de salida del preamplificador para una mayor flexibilidad.

Tablero Frontal:

INPUT (Entrada) (1)

Esta entrada aceptará señales de todo tipo de pastillas de guitarra.

6 dB PAD SWITCH (Interruptor de atenuador de 6 dB) (2)

Se proporciona para instrumentos que tienen una salida extremadamente alta, los cuales pueden causar que se distorsione la etapa de ganancia de entrada. Oprimir el botón a la posición "in" reduce el nivel de la señal de entrada en 6 dB.

CHANNEL SELECT SWITCH (Interruptor selector de canal) (3)

Permite la selección de los canales de Solo o Limpio. La posición "in" selecciona el canal de Solo y la posición "out" selecciona el canal Limpio.

NOTA: También se puede lograr la selección de canal por medio del interruptor de pedal remoto. Si se desea la selección remota, el interruptor de canal debe estar en la posición "in" (de Solo).

VOLUME (Volumen) (4)

Controla el nivel de volumen del canal Limpio.

LOW, MID, and HIGH EQ - CLEAN CHANNEL (Ecuador de Graves, Medios y Agudos - canal Limpio) (5)

Controles pasivos de tono que regulan las frecuencias bajas, medias y altas del canal Limpio.

PRE GAIN (Pre-ganancia) (6)

Controla la ganancia de la entrada del canal de Solo.

THRASH SWITCH (Interruptor de muesca) (7)

Corta el rango intermedio en cerca de 20 dB.

GAIN SWITCH (Interruptor de ganancia) (8)

Refuerza la ganancia global del sistema. Oprimirlo a la posición "in" para activarlo.

LOW, MID, and HIGH EQ - LEAD CHANNEL (Ecuador de Graves, Medios y Agudos - canal de Solo) (9)

Controles pasivos de tono que regulan las frecuencias bajas, medias y altas del canal de Solo.

POST GAIN (Post-ganancia) (10)

Controla el nivel de volumen global del canal de solo. El ajuste final de volumen debe hacerse después de lograr el sonido deseado.

REVERB LEVEL (Nivel de reverberación) (11)

Controla el nivel de reverberación global.

POWER LED (Indicador LED de encendido) (12)

Se enciende cuando se alimenta energía de CA al amplificador.

POWER SWITCH (Interruptor de encendido) (13)

Oprime el interruptor a la posición "on". El indicador LED rojo se enciende indicando que se está alimentando energía a la unidad.

Tablero Trasero:



LINE CORD (Cable de corriente - productos de 120 volts solamente) (14)

Para tu seguridad, hemos incorporado un cable para alimentación de corriente de 3 conductores con los elementos apropiados para la conexión a tierra. En ninguna circunstancia es aconsejable retirar la varilla de tierra. Si es necesario operar el equipo sin las instalaciones apropiadas de conexión a tierra, deberán usarse adaptadores de conexión a tierra idóneos. Habrá menos ruido y mucho menor peligro de choques eléctricos si la unidad se opera con las instalaciones adecuadas de conexión a tierra.

EXTERNAL SPEAKER JACK (Enchufe para altavoz externo) (15)

A Se proporciona para la conexión de una caja acústica externa. La impedancia mínima total es de 8 ohms. Cuando se usa, se desconecta automáticamente el altavoz interno.

PREAMP OUT (Salida del preamplificador) (16)

La salida del preamplificador puede usarse para dirigir la señal amplificada a una consola mezcladora, grabadora de cinta, etc. Conecta la salida del preamplificador usando un cable blindado a la entrada de una grabadora de cinta, mezcladora, etc. Esta conexión no afecta el funcionamiento del amplificador.

REMOTE SWITCH JACK (Enchufe para el interruptor remoto) (17)

Se proporciona para el interruptor de pedal remoto opcional. El interruptor de pedal se usa para seleccionar entre los canales de Solo o Limpio y para anular la Reverberación. Cuando uses el interruptor de pedal remoto, siempre inserta totalmente la clavija (segundo "clic") para asegurar un funcionamiento adecuado.

NOTA: El Interruptor selector de canal debe estar en la posición "in" para que el interruptor de pedal funcione adecuadamente.

FRANCAIS

**Veillez vous référer au “front panel art” et “back panel art”
situé dans la section en langue anglaise de ce manuel.**

Nous vous félicitons de votre achat du tout nouveau Envoy 110™ de la série TransTube™. Le nouvel amplificateur Envoy est le fruit de nombreuses années de recherche sur l'émulation de tubes à vide. Le preamplificateur a été complètement reconfiguré à l'aide d'une technologie en attente de brevet, qui redéfinit la distorsion à effet de tubes et la production d'harmonies des amplificateurs à semi-conducteurs.

Les nouveaux circuits T. Dynamics, également en attente de brevet, créent l'effet tant attendu de compression généré par tubes, et, en combinaison avec les circuits du preamplificateur, offrent une simulation d'amplification par tubes inégalée.

Un jack externe pour haut-parleurs et un jack de sortie du preamplificateur permettent d'améliorer les performances de l'Envoy 110 TransTube, tout en offrant une grande souplesse d'emploi.

Panneau Avant:

INPUT (Entree) (1)

Cette entrée accepte les signaux de toutes sortes de guitares.

6 dB PAD SWITCH (Commutateur à tampon 6 dB) (2)

Ce commutateur est fourni pour les instruments ayant une sortie très élevée, ce qui peut produire une distorsion du gain d'entrée. En appuyant sur le commutateur (position « in »), il est possible de réduire le signal d'entrée de 6 dB.

CHANNEL SELECT SWITCH (Commutateur de sélection des canaux) (3)

Permet de sélectionner le canal d'entrée ou Clean. S'il est en position « in », le canal d'entrée est sélectionné, en position « out », le canal Clean est sélectionné.

REMARQUE : Il est également possible de sélectionner les canaux grâce à la pédale de commande à distance. Pour ce faire, s'assurer que le commutateur est en position « in » (Entrée).

VOLUME (4)

Contrôle le volume du canal Clean.

LOW, MID, and HIGH EQ - CLEAN CHANNEL (Egalisation basse, moyenne et haute - canal Clean) (5)

Boutons de réglage passifs de la tonalité permettant de régler les fréquences basses, moyennes et hautes du canal Clean.

PRE GAIN (Commutateur de pré-gain) (6)

Permet de régler le gain d'entrée du canal d'entrée.

THRASH SWITCH (Commutateur d'emballement) (7)

Augmente la gamme moyenne d'environ 20 dB.

GAIN SWITCH (Commutateur de gain) (8)

Augmente le gain du système. Le mettre en position « in » pour l'activer.

LOW, MID, and HIGH EQ - LEAD CHANNEL (Egalisation basse, moyenne et haute - canal d'entrée) (9)

Boutons de réglage passifs de la tonalité permettant de régler les fréquences basses, moyennes et hautes du canal d'entrée.

POST-GAIN (10)

Contrôle le volume total du canal d'entrée. Le réglage définitif doit être fait lorsque le niveau du son est satisfaisant.

REVERB LEVEL (Niveau de réverbération) (11)

Contrôle le niveau général de réverbération.

POWER LED (DEL d'alimentation) (12)

Est illuminée lorsque l'amplificateur est alimenté par le courant alternatif.

POWER SWITCH (Commutateur marche-arrêt) (13)

Lorsque ce commutateur est en position « in », la DEL rouge est illuminée, ce qui indique que l'amplificateur est alimenté.

Panneau Arrière:



LINE CORD (Cordon d'alimentation -modèles en 120 V uniquement) (14)

Pour une plus grande sécurité, nous avons incorporé un cordon d'alimentation secteur à trois câbles avec prise de terre. Il n'est pas recommandé de retirer la broche de terre. S'il est nécessaire d'utiliser l'équipement sans prise de terre, utiliser un adaptateur de mise à la terre adéquat. Le bruit et les risques de choc électrique sont considérablement réduits lorsque le produit est utilisé avec une prise de terre.

EXTERNAL SPEAKER JACK (Jack de haut-parleur externe) (15)

A Fourni pour la connexion d'une enceinte de haut-parleur externe. Impédance minimale totale: 8 ohms. Déconnecter le haut-parleur interne avant de l'utiliser.

PREAMP OUT (Sortie du préamplificateur) (16)

La sortie du préamplificateur peut servir à acheminer le signal amplifié vers une console de mélange, un magnétophone, etc. Connecter la sortie du préamplificateur à l'entrée du magnétophone, mélangeur, etc., à l'aide d'un câble blindé. Cela n'affecte en rien le fonctionnement de l'amplificateur.

REMOTE JACK SWITCH (Jack de commutateur à distance) (17)

Permet de connecter la pédale de commande à distance en option. Celle-ci sert à sélectionner le canal d'entrée ou Clean et à supprimer la réverbération. La fiche doit toujours être enfoncée à fond (un deuxième clic doit se faire entendre) pour que la pédale de commande à distance fonctionne correctement.

REMARQUE : Le commutateur de sélection du canal doit être dans la position « in » pour que la pédale fonctionne correctement.

Siehe Diagramm der Frontplatte im englischen Teil des Handbuchs.

Herzlichen Glückwunsch zum Erwerb des Envoy 110™, dem neuesten Mitglied in unserer TransTube™-Serie. Dieser neue Verstärker ist das Ergebnis jahrelanger Forschung auf dem Gebiet der Vakuumröhren-Emulation. Der Vorverstärker wurde unter Einsatz einer zum Patent angemeldeten Technologie neu konstruiert, die die Erzeugung von Verzerrungen und Oberschwingungen mit einem für Röhrenverstärker typischen Klang in Festkörperverstärkern ermöglicht.

Die neuen T. Dynamics-Schaltkreise (ebenfalls zum Patent angemeldet) realisieren das lang gesuchte Kompressionsverhalten von Röhrenverstärkern. In Kombination mit den Vorverstärkerschaltungen ergeben diese Schaltkreise die bislang beste Simulation eines Röhrenverstärkers.

Zu den Features des Envoy 110 TransTube gehören außerdem eine Lautsprecher-Ausgangsbuchse sowie eine Vorverstärker-Ausgangsbuchse.

Frontplatte:

INPUT (Eingang) (1)

Über diesen Eingang können Signale von Gitarrentonabnehmern aller Art zugeführt werden.

6 dB PAD SWITCH (Schalter für 6 dB Dämpfung) (2)

Vorgesehen für Instrumente mit einem sehr hohen Ausgang, die eine Übersteuerung (Verzerrung) der Eingangsverstärkungsstufe verursachen können. Durch Drücken des Schalters wird der Pegel des Eingangssignals um 6 dB verringert.

CHANNEL SELECT SWITCH (Kanalwahlschalter) (3)

Gestattet die Wahl des Lead- oder Clean-Kanals. Bei gedrücktem Schalter wird der Lead-Kanal gewählt, bei nicht gedrücktem Schalter der Clean-Kanal.

HINWEIS: Die Kanalwahl kann auch über den Fußschalter vorgenommen werden. Dazu muß sich der Kanalwahlschalter in der gedrückten Position (Lead-Kanal) befinden.

VOLUME (Lautstärke) (4)

Regelt den Lautstärkepegel des Clean-Kanals.

LOW, MID, and HIGH EQ - CLEAN CHANNEL (Tiefen-, Mitten- und Höhen-Equalizer – Clean-Kanal) (5)

Dies sind passive Klangregler, die die tiefen, mittleren und hohen Frequenzen des Clean-Kanals regeln.

PRE GAIN (Vorverstärkung) (6)

Regelt die Eingangsverstärkung des Lead-Kanals.

THRASH SWITCH (Thrash-Schalter) (7)

Verringert den Mittenbereich um etwa 20 dB.

GAIN SWITCH (Verstärkungsschalter) (8)

Hebt die gesamte Systemverstärkung an. Den Schalter drücken, um diese Funktion zu aktivieren.

LOW, MID, and HIGH EQ - LEAD CHANNEL (Tiefen-, Mitten- und Höhen-Equalizer – Lead-Kanal) (9)

Dies sind passive Klangregler, die die tiefen, mittleren und hohen Frequenzen des Lead-Kanals regeln.

POST GAIN (Nachverstärkung) (10)

Regelt den gesamten Lautstärkepegel des Lead-Kanals. Die abschließende PegelEinstellung sollte erfolgen, nachdem der gewünschte Sound erreicht wurde.

REVERB LEVEL (Nachhallpegel) (11)

Regelt den gesamten Nachhallpegel.

POWER LED (Betriebs-LED) (12)

Leuchtet auf, wenn der Verstärker eingeschaltet ist.

POWER SWITCH (Ein-/Aus-Schalter) (13)

Wenn der Schalter gedrückt ist, leuchtet die rote LED auf, um anzuzeigen, daß das Gerät mit Spannung versorgt wird.

Rückplatte:



LINE CORD (Netzkabel -nur für 120 Volt-Geräte) (14)

Zu Ihrer Sicherheit verfügt dieses Gerät über ein 3adriges Netzkabel mit Schutzerdung. Der Erdungsstift darf unter keinen Umständen entfernt werden. Wenn die Verwendung des Geräts ohne Erdungsmöglichkeit erforderlich sein sollte, muß ein geeigneter Erdungsadapter verwendet werden. Wenn das Gerät an einer Schutzkontaktsteckdose angeschlossen ist, treten weniger Störgeräusche auf, und es besteht ein weitgehender Schutz vor elektrischen Schlägen.

EXTERNAL SPEAKER JACK (Buchse für externen Lautsprecher) (15)

A

Zum Anschließen einer externen Lautsprecherbox vorgesehen. Die minimale Gesamtimpedanz beträgt 8 Ohm. Wenn hier ein Anschluß besteht, ist die Verbindung zum internen Lautsprecher unterbrochen.

PREAMP OUT (Vorverstärkerausgang) (16)

Der Vorverstärkerausgang kann dazu verwendet werden, das verstärkte Signal zu einer Mischkonsole, einem Bandgerät usw. zu führen. Verbinden Sie den Vorverstärkerausgang mit einem abgeschirmten Kabel mit einem Eingang des Bandgeräts, Mixers usw. Der Betrieb des Verstärkers wird hierdurch nicht beeinflusst.

REMOTE SWITCH JACK (Buchse für Fußschalter) (17)

Dient zum Anschluß des optionalen Fußschalters. Mit diesem Schalter kann der Lead- oder Clean-Kanal gewählt oder der Nachhall deaktiviert werden. Der Stecker des Fußschalters muß ganz eingesteckt werden (bis zur zweiten Einrastposition), um einen einwandfreien Betrieb zu gewährleisten.

HINWEIS: Damit der Fußschalter einwandfrei arbeitet, muß der Kanalwahlschalter gedrückt sein.

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PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS

If this product contains tubes or meters, Peavey warrants the tubes 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.

CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- 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
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED 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
326 Hwy.11& 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 Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

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 ADDRESSES:
 - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
 - b. 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.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electric products, basic cautions should always be followed, including the following.

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. Disconnect unit from power supply before cleaning.
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 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.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. 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	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	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 ensure 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.

SAVE THESE INSTRUCTIONS!



Features and specifications subject to change without notice.

