

Tour Series Bass Amplifiers





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, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus. Before using this apparatus, read the operating guide for further warnings.



Este símbolo tiene el propósito, de alertar al usuario de la presencia de "(voltaje) peligroso" sin aislamiento dentro de la caja del producto y que puede tener una magnitud suficiente como para constituir riesgo de descarga eléctrica.



Este símbolo tiene el propósito de alertar al usario de la presencia de instruccones importantes sobre la operación y mantenimiento en la información que viene con el producto.

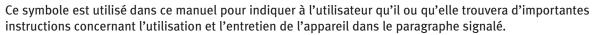
PRECAUCION: Riesgo de descarga eléctrica iNO ABRIR!

PRECAUCION: Para disminuír el riesgo de descarga eléctrica, no abra la cubierta. No hay piezas útiles dentro. Deje todo mantenimiento en manos del personal técnico cualificado.

ADVERTENCIA: Para prevenir choque electrico o riesgo de incendios, este aparato no se debe exponer a la lluvia o a la humedad. Los objetos llenos de liquidos, como los floreros, no se deben colocar encima de este aparato. Antes de usar este aparato, lea la guia de funcionamiento para otras advertencias.



Ce symbole est utilisé dans ce manuel pour indiquer à l'utilisateur la présence d'une tension dangereuse pouvant être d'amplitude suffisante pour constituer un risque de choc électrique.





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 reparée par l'utilisateur. Confiez l'entretien et la réparation de l'appareil à un réparateur Peavey agréé.

AVIS: Dans le but de reduire les risques d'incendie ou de decharge electrique, cet appareil ne doit pas etre expose a la pluie ou a l'humidite et aucun obiet rempli de liquide, tel qu'un vase, ne doit etre pose sur celui-ci. Avant d'utiliser de cet appareil, lisez attentivement le guide fonctionnant pour avertissements supplémentaires.



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 enfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

WARNUNG: Um elektrischen Schlag oder Brandgefahr zu verhindern, sollte dieser Apparat nicht Regen oder Feuchtigkeit ausgesetzt werden und Gegenstände mit Flüssigkeiten gefuellt, wie Vasen, nicht auf diesen Apparat gesetzt werden. Bevor dieser Apparat verwendet wird, lesen Sie bitte den Funktionsführer für weitere Warnungen.

IMPORTANT SAFETY INSTRUCTIONS

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

- 1. Read these instructions.
- 2. Keep these instructions.

CE

- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with a dry cloth.
- 7. Do not block any of the ventilation openings. Install in accordance with manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding plug. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point they exit from the apparatus.
- 11. Only use attachments/accessories provided by the manufacturer.
- Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when 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.
- 15. Never break off the ground pin. Write for our free booklet "Shock Hazard and Grounding." Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
- 16. If this product is to be mounted in an equipment rack, rear support should be provided.
- 17. Note for UK only: If the colors of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows:
 - a) The wire that is colored green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, colored green or colored green and yellow.
 - b) The wire that is colored blue must be connected to the terminal that is marked with the letter N or the color black.
 - c) The wire that is colored brown must be connected to the terminal that is marked with the letter L or the color red.
- 18. This electrical apparatus should not be exposed to dripping or splashing and care should be taken not to place objects containing liquids, such as vases, upon the apparatus.
- 19. 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. Earplugs or protectors to 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!

ENGLISH

Tour[™] Series 450/700

Bass Amplifiers

Congratulations on the purchase of your new Tour Bass amplifier from Peavey®. The Tour series is a class leader in power.

The Tour series features class A/B power amplifiers with patented SmartRailTM and DDTTM technologies. This technology gives these amps massive dynamic power in a lightweight package, without introducing any switching distortion or delay. Each amp features DC protection, an efficient parallel cooling system and a two-speed cooling fan. But that's not all. These amps contain an analog octave divider which allows the user to synthesize a note one full octave below the note you are playing. Wrap all this up with a constant Q, 9-band, graphic equalizer and the Peavey reputation for quality, and you couldn't ask for anything else.

Before you begin playing through your amplifier, it is very important to ensure that the product has the proper AC line voltage supplied. You can find the proper voltage for your amp printed next to the IEC line (power) cord on the rear panel of the unit. Each product feature is numbered. Refer to the front panel diagram in this manual to locate the particular features next to its number.



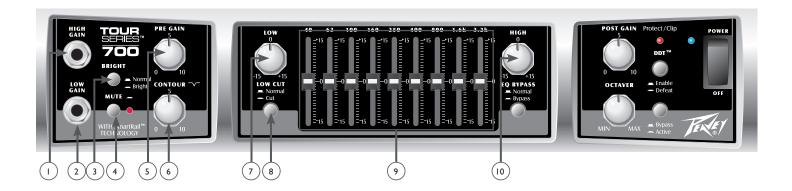
Please read this guide carefully to ensure your personal safety as well as the safety of your amplifier.

FEATURES:

- Bypassable 9-band graphic equalizer with push-button bypass
- Patented SmartRail[™] technology
- Patented DDT™ (Distortion Detection Technique) technology
- Analog Octave Divider with footswitchable bypass
- Buffered Effects Loop
- Speakon® combination 1/4" Speaker Jacks
- Two input jacks for active & passive basses
- Pre and Post Gain controls
- Bright and low-cut switches
- Low & High Shelving EQ
- Contour Control



VENTILATION: For proper ventilation, allow 12" clearance from the nearest combustible surface. Make sure that all vents are not blocked and air can flow freely throught the unit.



) HIGH GAIN INPUT

This input is provided for instruments having low ouput levels (passive pickups).

(2) LOW GAIN INPUT

This input is provided for active basses or external preamps that have extremely high outputs, which can result in overdriving (distorting) the High Gain input. This input is -10dB from HIGH GAIN. WARNING: Never plug the ouput of a power amplifier into the input jacks. Damage may occur to both units.

THE BRIGHT SWITCH

This button provides a 10 dB boost to frequencies above 1KHz. To activate, depress the switch to its "IN" position.

MUTE

This button mutes all signals passing through the amp. The "IN" position of the switch mutes the signal, and the red LED will illuminate.

ှဲ PRE GAIN

This knob controls input level of the instrument.

6 CONTOUR

This knob boosts highs and lows while simultaneously cutting mid tones producing a "scooped" sound. Rotating the knob clockwise increases the CONTOUR effect.

⁷ LOW

This knob provides a shelving tone control for low frequencies and provides cut/boost of ± 1.5 dB. The center point is flat. The center frequency is 50 Hz. ± 3 dB shelf corner frequency is 100Hz.

🐫 LOW CUT

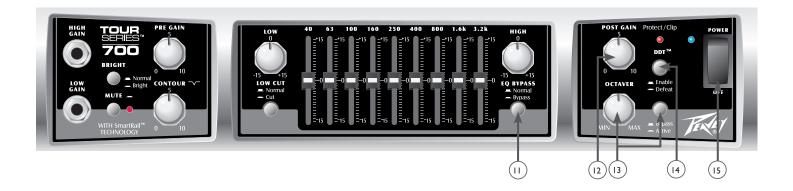
This button can be used to help "tame" the B-string on a 5 or 6 string bass, control speaker cabinet resonance, or provide a more "vintage" tone. The "IN" position activates a gradual roll-off of frequencies lower than 8oHz. NOTE: The LOW CUT circuit is pre-eq.

GRAPHIC EQUALIZER

These sliders provide precise tone control through the constant-Q, nine band equalizer. Each band may be boosted or cut 15 dB.

W HIGH

This knob provides a shelving tone control for high frequencies and cut/boost of +/-15dB. The center point is flat and the frequency is 8 KHz. -3dB; the shelf corner frequency is 5 KHz.



II) EQ BYPASS

This button removes the graphic equalizer from the audio chain. The "IN" position of the switch bypasses the EQ, and the amp will respond as if the graphic equalizer is set flat.

12) POST GAIN

This knob controls output level of the pre amplifier to the power amplifier.

(13) OCTAVER

This knob synthesizes a note one octave below the note you are playing. The "IN" or "ACTIVE" position of the switch enables the octave divider. This knob controls the output level of the synthesized tone. Once activated, the OCTAVER may be defeated by an optional remote footswitch (#00051000).

WARNING: This effect generates extremely low bass tones! Care should be taken to avoid damaging speakers.

OCTAVER TIPS

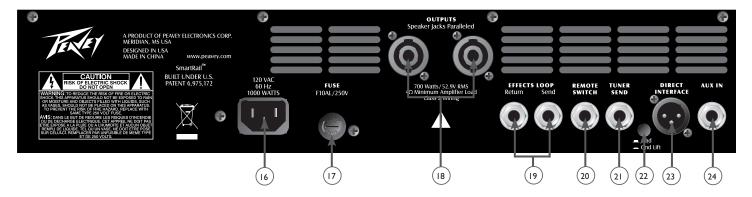
- Start with the OCTAVER knob set to minimum. Adjust the PRE GAIN and POST GAIN to the desired levels, and slowly increase the level of the OCTAVER until the desired effect is achieved.
- Analog octave dividers, such as this one, typically work best when only one note is played at a time. Complex cords will not track well.
- For best tracking, strings that are not being played should be muted.
- The bass guitar produces a complex waveform for each note played. Harmonic content is higher at certain playing positions on the neck. Because of this, playing the same notes at different positions on the neck will track better. This may vary from one bass to another.

(14) DDTTM (Distortion Detection Technique)

This button prevents power amplifier clipping that can sound bad and damage speakers. The "IN" or "DEFEAT" position of the switch bypasses the DDT circuit. However, Peavey® recommends the DDT stay enabled for optimum system performance. When the DDT is enabled, the Protect/Clip LED will flash when DDT is triggered. It is normal operation for the LED to flash. However, if the LED is constantly illuminated, the gain level needs to be adjusted to prevent possible equipment damage. When the DDT is defeated, the LED becomes a clip indicator.

15 POWER SWITCH

To apply power to the unit, flip the switch to the "On" position. The blue LED will illuminate, indicating power is being supplied.



(16) AC POWER INLET:



This is the receptacle for an IEC line cord, which provides AC power to the unit. Connect the line cord to this connector to provide power to the unit. Damage to the equipment may result if improper line voltage is used. (See line voltage marking on unit).



Never break off the ground pin on any equipment. It is provided for your safety. If the outlet used does not have a ground pin, a suitable grounding adapter should be used, and the third wire should be grounded properly. To prevent the risk of shock or fire hazard, always make sure that the amplifier and all associated equipment is properly grounded.

NOTE: FOR UK ONLY



As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug, proceed as follows: (1) The wire that is colored green and yellow must be connected to the terminal that is marked by the letter E, or by the Earth symbol, or colored green or green and yellow. (2) The wire that is colored blue must be connected to the terminal that is marked with the letter N, or the color black. (3) The wire that is colored brown must be connected to the terminal that is marked with the letter L, or the color red.

(17) **FUSE**

The fuse is located within the cap of the fuse holder. If the fuse fails, THE FUSE MUST BE REPLACED WITH THE SAME TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING THE WARRANTY. If the amp repeatedly blows the fuse, it should be taken to a qualified service center for repair.

(18) EXTERNAL PARALLELED SPEAKER JACKS

These outputs are provided for connection of external speaker cabinet(s). For connection to virtually any speaker enclosure, Neutrik SpeakonTM 1/4" combination jacks are supplied.

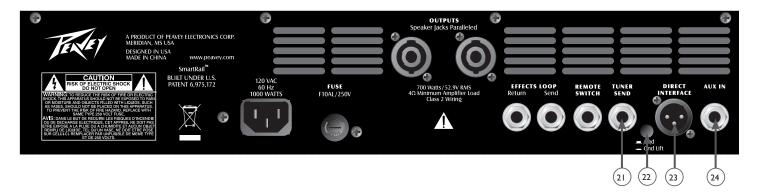
(19) EFFECTS LOOP

The Send Jack provides a pre amp output that may be used to drive slave amplifiers and external effects processors. The Return Jack provides a power amp input for the last effect in the chain. NOTE: When using the unit as a slave power amplifier, the Return Jack should be used as the input.

WARNING: NEVER PLUG THE OUTPUT OF A POWER AMPLIFIER INTO THE RETURN JACK.

(20) FOOTSWITCH JACK

Provided for the connection of the optional footswitch (item #00051000). The Octave Divider may be by-passed by using this footswitch. When using the footswitch, always insert the plug fully (second click) into the FOOTSWITCH JACK to ensure proper operation. NOTE: This is a mono type jack. If the tip and sleeve are shorted while the Octave Divider is in the ACTIVE position, the effect WILL BE muted.



(21) TUNER SEND

This output is provided for connection to electronic tuners (buffered signal). This output may also be used as an unbalanced Direct Interface, or a buffered pass-through to use two amps simultaneously. NOTE: The TUNER SEND is always ACTIVE, even when the amp is muted.

(22) **GROUND LIFT**

This button is provided to prevent a ground loop that may result in "hum" noise. When depressed (IN poisition), Ground Lift is engaged.

(23) DIRECT INTERFACE (DI)

This is a built-in, balanced Direct Interface is used to send a buffered, unprocessed signal to an external mixer. NOTE: The Direct Interface features failsafe circuitry, which runs on standard 48-volt phantom power from the mixer. This allows the DI to continue functioning even in the event of a blown circuit breaker or amplifier shutdown. In the event of a failsafe operation, the mute switch will be bypassed. This circuit is active, even when the power switch is in the "Off" position.

23 AUXILIARY INPUT

This input is provided for a convenient input of rack-mount processors. This input is for signal levels only and overrides the high and low input jacks on the front of the unit. NOTE: For a clean look, the bass may be plugged directly into this jack, but please note that this is a high gain input.

Tour™ Series Specifications

Tour 450

Mains Voltage:

120 VAC 60 Hz - 6 amp fuse

230 VAC 50/60 Hz - 3.15 amp fuse

100 VAC 50/60 Hz - 8 amp fuse

Power Consumption:

600 W

Power Amplifier

Protection:

DDT™ speaker protection
with defeat switch
Short Circuit protection
Thermal protection circuit
Cooling fan failure protection circuit
Current limit protection circuit
DC output protection circuit

Minimum Load:

4Ω

Input Sensitivity:

600 mVRMS

Output Jacks:

Two 1/4" Speakon® combination jacks in parallel

Power Output:

300 w, 48.9 VRMS/8 Ω 450 w, 42.4 VRMS/4 Ω

Noise:

> 100 dB below full power @ 8 Ω typically -105 dB

Preamplifier Specifications

Settings (unless otherwise stated):

Pre gain: 4 (12 o'clock)

Bright: Out Mute: out

Contour: o (fully counterclockwise)

Low: o High: o Low Cut: Out

Graphic EQ: All sliders set to center

EQ Bypass: Out

Post Gain: 10 (fully clockwise)

Octaver: MIN

(fully counterclockwise)

Octaver Defeat: Out DDT™: Active

Input Sensitivity (High Gain):

Nominal Input: 616 mVRMS Minimum Input: 34.1 mVRMS Maximum Input: 2.3 VRMS

(maximum signal at input before clipping)

Input Sensitivity (Low Gain):

Nominal Input: 1.0 VRMS Minimum Input: 59.3 m VRMS Maximum Input: 7.2 VRMS (maximum signal at input before clipping)

Tuner Send:

Buffered from input jack with no equalization

D.I. XLR Output:

Buffered from input jack with no equalization

Failsafe D.I. Backup:

48 v phantom power

Weight:

21.8 lb.

Dimensions (h x w x d):

3.875 x 19.00 x 12.50

Features and specifications subject to change without notice. All specifications tested with mains voltage maintained at nominal level.

Tour™ Series Specifications

Tour 700

Mains Voltage:

120 VAC 60 Hz - 10 amp fuse 230 VAC 50/60 Hz - 6 amp fuse 100 VAC 50/60 Hz - 12 amp fuse

Power Consumption:

1000 W

Power Amplifier

Protection:

DDT™ speaker protection
with defeat switch
Short Circuit protection
Thermal protection circuit
Cooling fan failure protection circuit
Current limit protection circuit
DC output protection circuit

Minimum Load:

4Ω

Input Sensitivity:

750 mVRMS

Output Jacks:

Two 1/4" Speakon® combination jacks in parallel

Power Output:

500 w, 63.2 VRMS/8 Ω 700 w, 52.9 VRMS/4 Ω

Noise:

> 100 dB below full power @ 8 Ω typically -105 dB

Preamplifier Specifications

Settings (unless otherwise stated):

Pre gain: 4 (12 o'clock)

Bright: Out Mute: out

Contour: o (fully counterclockwise)

Low: o High: o Low Cut: Out

Graphic EQ: All sliders set to center

EQ Bypass: Out

Post Gain: 10 (fully clockwise)

Octaver: MIN

(fully counterclockwise)

Octaver Defeat: Out DDT™: Active

Input Sensitivity (High Gain):

Nominal Input: 740 mVRMS Minimum Input: 41.6 mVRMS (pre gain fully counterclockwise) Maximum Input: 2.3 VRMS

(maximum signal at input before clipping)

Input Sensitivity (Low Gain):

Nominal Input: 1.3 VRMS
Minimum Input: 72 m VRMS
(pre gain fully counterclockwise)
Maximum Input: 7.2 VRMS
(maximum signal at input before clipping)

Tuner Send:

Buffered from input jack with no equalization

D.I. XLR Output:

Buffered from input jack with no equalization

Failsafe D.I. Backup:

48 v phantom power

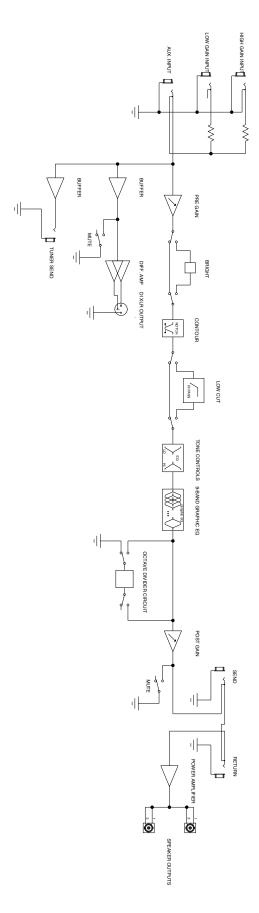
Weight:

24.0 lb.

Dimensions (h x w x d):

3.875 x 19.00 x 12.50

Features and specifications subject to change without notice. All specifications tested with mains voltage maintained at nominal level.



PEAVEY ELECTRONICS CORPORATION LIMITED WARRANTY

EFFECTIVE DATE: JULY 1, 1998

What This Warranty Covers

Your Peavey Warranty covers defects in material and workmanship in Peavey products purchased and serviced in the U.S.A. and Canada.

What This Warranty Does Not Cover

The Warranty does not cover: (1) damage caused by accident, misuse, abuse, improper installation or operation, rental, product modification or neglect; (2) damage occurring during shipment; (3) damage caused by repair or service performed by persons not authorized by Peavey; (4) products on which the serial number has been altered, defaced or removed; (5) products not purchased from an Authorized Peavey Dealer.

Who This Warranty Protects

This Warranty protects only the original retail purchaser of the product.

How Long This Warranty Lasts

The Warranty begins on the date of purchase by the original retail purchaser. The duration of the Warranty is as follows:

Product Category	Duration
Guitars/Basses, Amplifiers, Pre-Amplifiers, Mixers, Electronic Crossovers and Equalizers	2 years (+ 3 years)*
Drums	2 years (+ I year)*
Enclosures	3 years (+ 2 years)*
Digital Effect Devices and Keyboard and MIDI Controllers	l year (+ l year)*
Microphones	2 years
Speaker Components (incl. speakers, baskets, drivers, diaphragm replacement kits and passive crossovers) and all Accessories	l year
Tubes and Meters	90 days

[*Denotes additional warranty period applicable if optional Warranty Registration Card is completed and returned to Peavey by original retail purchaser within 90 days of purchase.]

What Peavey Will Do

We will repair or replace (at Peavey's discretion) products covered by warranty at no charge for labor or materials. If the product or component must be shipped to Peavey for warranty service, the consumer must pay initial shipping charges. If the repairs are covered by warranty, Peavey will pay the return shipping charges.

How To Get Warranty Service

(1) Take the defective item and your sales receipt or other proof of date of purchase to your Authorized Peavey Dealer or Authorized Peavey Service Center. OR

(2) Ship the defective item, prepaid, to Peavey Electronics Corporation, International Service Center, 412 Highway 11 & 80 East, Meridian, MS 39301 or Peavey Canada Ltd., 95 Shields Court, Markham, Ontario, Canada L3R 9T5. Include a detailed description of the problem, together with a copy of your sales receipt or other proof of date of purchase as evidence of warranty coverage. Also provide a complete return address.

Limitation of Implied Warranties

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Exclusions of Damages

PEAVEY'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT, AT PEAVEY'S OPTION. IF WE ELECT TO REPLACE THE PRODUCT, THE REPLACEMENT MAY BE A RECONDITIONED UNIT. PEAVEY SHALL NOT BE LIABLE FOR DAMAGES BASED ON INCONVENIENCE, LOSS OF USE, LOST PROFITS, LOST SAVINGS, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE, OR ANY OTHER DAMAGES WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If you have any questions about this warranty or service received or if you need assistance in locating an Authorized Service Center, please contact the Peavey International Service Center at (601) 483-5365 / Peavey Canada Ltd. at (905) 475-2578.

FEATURES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



Logo referenced in Directive 2002/96/EC Annex IV (OJ(L)37/38,13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and is applied only to equipment manufactured after 13 August 2005



Features and specifications subject to change without notice.

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