

210 POWERED ENCLOSURE OPERATING



The 210 Powered Enclosure is designed primarily to be used for biamp applications in conjunction with bass guitar amplification systems. This product should not be used as a full range bass guitar amplifier. It can be used as a full range guitar power amp/speaker system or as a powered sound reinforcement monitor.

The speaker system consists of two 10 inch Scorpion™ loudspeakers. The power amplifier is rated at 210 watts into a 4 ohm load and contains DDT. DDT™ (Distortion Detection Technique) prevents the power amplifier from severe clipping (distortion). U.S. Patent #4318053. The recommended crossover frequency is from 250 Hz to 500 Hz.

MAIN POWER AMP INPUT

Use to connect line level signal to power amplifier.

2. AUXILIARY POWER AMP INPUT

Use to send line level signal to additional power amplifier (DAISY CHAIN). Will not operate unless main input is connected.

LEVEL

Controls the volume level of the enclosure.

4. LINE CORD

For your safety, we have incorporated a 3-wire line (mains) cable on the back of the chassis with proper grounding facilities. It is not advisable to remove the ground pin under any circumstances. If it is necessary to use the amplifier without proper grounding facilities, suitable grounding adapters should be used. Less noise and greatly reduced shock hazard exists when the unit is operated with the proper grounded receptacles. NOTE: The above statement in reference to removing the ground pin is applicable only to 120 volt model products.

5. POWER SWITCH

Center position is "OFF." Two "ON" positions are provided, one of which will properly ground the amplifier. Switch to the "on" side that yields the lowest amount of residual hum or popping noise when the instrument is touched. 220 and 240 volt models utilize a two-way ON/OFF switch only.

6. FUSE

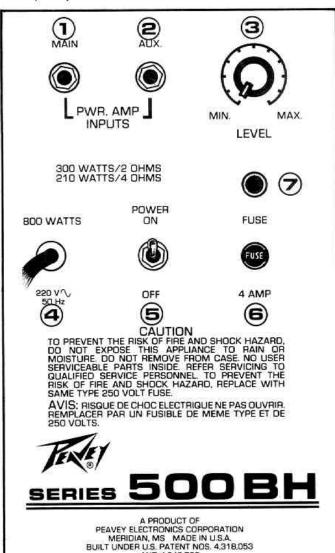
The fuse is located within the cap of the fuseholder. If the fuse should fail, IT MUST BE REPLACED WITH THE SAME. TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING, THE WARRANTY. If the amp repeatedly blows fuses, it should be taken to a qualified service center for repair.

WARNING: THE FUSE SHOULD ONLY BE REPLACED WHEN THE POWER CORD HAS BEEN DISCONNECTED FROM ITS POWER SOURCE.

7. PILOT LIGHT

Illuminates when AC power is being supplied to the amp.

EXTERNAL SPEAKER JACK (NOT PICTURED)
 Provided for connection of external speaker cabinet.
 Minimum total impedance is 2 ohms.



AND 4,349,788

500-BH MODULE WITH "DDT"™ COMPRESSION RATED POWER & LOAD

210 W RMS into 4 ohms 300 W RMS into 2 ohms

POWER @ CLIPPING: (TYPICALLY)

(5% THD, 1 KHz 120 VAC Line) 130 W RMS into 8 ohms

225 W RMS into 4 ohms 320 W RMS into 2 ohms

FREQUENCY RESPONSE

+0,-1 dB 20Hz to 20 KHz @ 200 Watts into 4 ohms

TOTAL HARMONIC DISTORTION:

Less than 0.1%, 200 MW to 200 W RMS 20 Hz to 10 KHz, 4 ohms, Typically below 0.05%

INTERMODULATION DISTORTION:

Less than 0.1%, 200 MW to 200 W RMS, 60 Hz & 5 KHz, 4 ohms, Typically below 0.05%

DDT DYNAMIC RANGE

Greater than 26 dB

DDT MAXIMUM TOTAL HARMONIC DISTORTION:

(1 KHz)

Below 0.5% THD for 6 dB overload Below 1% THD for 20 dB overload

HUM & NOISE:

Greater than 90 dB below rated power

INPUT SENSITIVITY:

1 VRMS (0dBV) for full power output

INPUT IMPEDANCE:

50K ohms

POWER CONSUMPTION: (DOMESTIC)

800 Watts, 50/60 Hz, 120 VAC

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

SOUND LEVEL BBA, SLOW RESPONSE 90 92 95 97 100 102 105 ACCORDING TO OSHS. ANY EXPOSURE IN EXCESS OF THE ABOVE PERMISSIBLE LEMTS COULD RESULT IN SOME HEARING LOSS.

EAR PLUGE OF PROTECTORS IN THE EAR CARS, S OF OVER THE BASS MUST BE WORN WHEN OF ERATHER, THIS AMPLIFICATION SYSTEM IN ORDER TO PRIBUENT A PERMANENT HEARING FOR EXPOSURE IS IN EXCESS OF THE LIMITS AS SET FORTH ABOVE TO INSURE AGAINST FOR ENTIRLLY DASSE ROUS EXPOSURE TO HIGH SOUND PRESSURE LEVELS, IT IS RECOMMENDED THAT PERSONS EXPOSURE TO THE PROPERTY OF THE PROPERTY THIS AMERIFIER HAS BEEN DESIGNED AND CONSTRUCTED TO PREVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC WHICH MAY REQUIRE OCCASIONAL PEAK ROWER THEADROOM HAS BEEN DESIGNED INTO THIS SYSTEM. EXTREMED CHIRATION AT ABSOLUTE MAXBILIA POWER IS NOT NOT THE EXPENSION OF THE COMMENCED SINCE THE SCOLUTE ANALIST THE ASSOCIATED SCOURS PEAKER SYSTEM PLEASE BE AWARE THAT MAXIMUM POWER CAN BE OBTAINED WITH VERY JOYN SETTINGS OF THE GAIN Read all salety and operating instructions before using this product 13 Core strough be taken so that our standard the light same of the unit through the ventilation roles or any other openings. 8 Consections to a power supply of the type marked on the unit space to the power supply cond. 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, sepecially at the plug and the point where the cord exits the unit. All safety and operating instructions should be retained for future reference. 14. This unit should be checked by a qualified service technician It.
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.
The unit has been dropped or the enclosure damaged. Obey all cautions in the operating instructions and on the back of the unit. All operating instructions should be followed. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc. The power supply cord should be unplugged when the unitis to be unused for long periods of time. 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. 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. This product should not be placed near a source of heat such as a stove, heater, radiator or another heat producing amplifier.

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

