

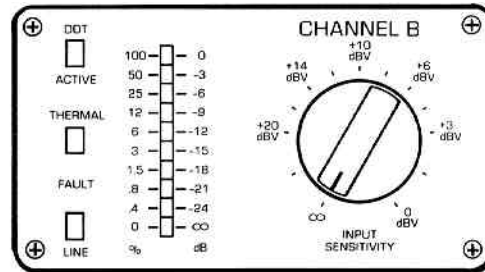
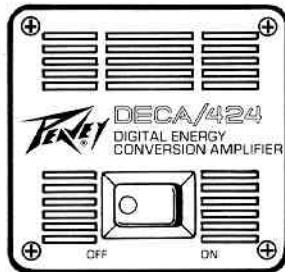
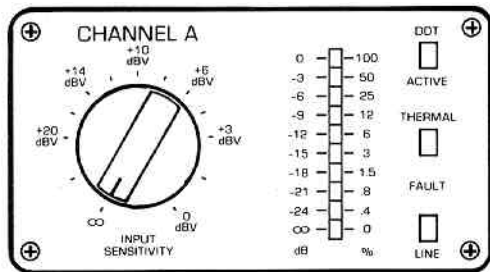
# OWNERS MANUAL



## **DECA™/424**



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.



**INPUT SENSITIVITY (1)**  
Maximum input gain (minimum sensitivity rating) is achieved at the full clockwise setting. A setting of less than full clockwise will yield lower system noise at the expense of headroom. Calibration indicates sensitivity in volts/dBV necessary to attain full available output.

**OPERATION NOTE:**  
The input sensitivity rating of a power amplifier is the voltage level required to drive the amplifier to full output. Calibration in dBV allows the mixer operator to "monitor" the power amplifier status by observing the dBV level of the mixer LED arrays (on mixers so equipped).

**LED LEVEL INDICATOR (2)**  
A calibrated LED array is provided to visually indicate both the power utilized (in percentage) and headroom remaining (in dB).  
The bottom LED is illuminated whenever AC power is applied as a pilot indicator.

**DDT™ COMPRESSION**  
Each of the two internal power amplifiers is equipped with Peavey's DDT™ Compression (U.S. Patent 4,318,053). The DDT circuits will automatically engage to prevent clipping distortion within the power amplifiers.

**DDT™ ACTIVE LED (3)**  
Illuminates when DDT™ compression is taking place. With the DDT IN/OUT switch in the "Out" position, the LED is defeated.

**OPERATION NOTE:**  
It is normal for the DDT™ LED(s) to flash occasionally during amplifier operation. If the LED(s) remain on continuously, additional headroom is needed. In some cases, this may mean that the particular application requires a more powerful amplifier.

**INPUT SENSITIVITY (1)**  
**(Eingangsempfindlichkeit)**  
Die maximale Eingangsverstärkung (niederste Empfindlichkeit) wird bei voll im Uhrzeigersinn geöffneten Regler erreicht. Bei weniger geöffnetem Regler wird eine Verminderung des Rauschens erreicht, allerdings auf Kosten der Übersteuerungsfestigkeit. Die auf gedruckte Kalibrierung zeigt die benötigte Empfindlichkeit in Volt/dBV an, um die volle Ausgangsleistung zu erreichen.

**OPERATION NOTE:**  
**(ANWENDUNGSHINWEIS:)**  
Die Eingangsempfindlichkeit der Endstufe stellt die Spannung in Volt dar, welche benötigt wird, um die volle Ausgangsleistung des Verstärkers zu erreichen. Die Kalibrierung in dBV erlaubt dem Bediener, den Zustand der Endstufe durch Beobachten der LED-Anzeige am Mischpult zu beurteilen, falls dieses entsprechend ausgerüstet ist.

**LED LEVEL INDICATOR (2)**  
**(LED-Pegelanzeige)**  
Eine kalibrierte LED-Pegelanzeige weist sowohl die verwendete Leistung (in Prozenten) wie auch die verbleibende Übersteuerungsreserve (in dB) aus.  
Die unterste LED (Pilot-LED) leuchtet zur Kontrolle immer wenn das Gerät eingeschaltet ist.

**DDT™ COMPRESSION**  
**(DDT™-Kompression)**  
Jeder der zwei internen Endstufen ist mit Peavey's DDT™-Kompression (U.S. Patent 4,318,053) ausgestattet. Die DDT™-Kompression wird automatisch aktiviert um Verzerrungen durch zu hohe Pegel vorzubeugen.

**DDT™ ACTIVE LED (3)**  
Leuchtet auf, wenn DDT™-Kompression einsetzt. Wenn sich der DDT-Schalter in "Out"-Position befindet, ist LED ausgeschaltet.

**OPERATION NOTE:**  
**(ANWENDUNGSHINWEIS:)**  
Ein zeitweiliges Aufleuchten der DDT™-LED(s) ist normal. Ein ständiges Aufleuchten der LED(s) hingegen bedeutet, daß die Übersteuerungsreserve der Endstufe erschöpft ist, und daß für diese Anwendung eine stärkere Endstufe eingesetzt werden sollte.

**INPUT SENSITIVITY (1)**  
**(Sensibilité d'entrée)**  
Le gain augmente en tournant le bouton dans le sens des aiguilles d'une montre. Les positions inférieures au maximum diminueront le niveau de bruit de fond, au détriment de la réserve de puissance. L'échelle indique la sensibilité et le niveau en volts nécessaire pour atteindre la puissance de sortie maximum.

**NOTE:**  
Le sensibilité d'entrée d'un amplificateur de puissance est la tension nécessaire pour atteindre la puissance maximum. L'échelle en dBV permet de visualiser la charge de l'amplificateur en la rapportant aux indicateurs de niveau de sortie du mélangeur.

**LEVEL INDICATOR (2)**  
**(Indicateur de niveau)**  
Echelle de diodes calibrée qui indique à la fois la puissance utilisée (en pourcentage) et la réserve disponible (en dB). La diode du bas, témoin de mise en route, s'allume dès que la tension secteur est appliquée à l'appareil.

**DDT™ COMPRESSION**  
**(Compression "DDT")**  
Chacun des deux amplificateurs de puissance incorporés est équipé d'un circuit de compression PEAVEY DDT (breveté 4.318.053). Ce circuit se met automatiquement en service en cas de besoin pour éviter une distorsion par écrêtage dans les amplis de puissance.

**DDT™ ACTIVE LED (3)**  
**(Témoin de DDT)**  
S'allume lorsque le circuit de compression DDT™ intervient. Lorsque la DDT est mise hors service par l'interrupteur, le témoin est inopérant.

**OPERATION NOTE:**  
**(Note)**  
S'il est normal que le témoin de DDT™ clignote occasionnellement durant le fonctionnement, un allumage continu indique un manque de réserve de puissance. Dans certains cas, ceci indiquera que l'application nécessite une amplification plus puissante.

**INPUT SENSITIVITY**  
**(Sensibilidad De Entrada)**  
La ganancia máxima de entrada (grado máximo de sensibilidad) es alcanzado girando el control completamente a la derecha. Si no se coloca el control completamente a la derecha producirá conjuntos mas bajos deruido a costa del "headroom". La calibración indica sensibilidad expresada en volts/dBV necesarios para obtener toda la salida disponible.

**OPERATION NOTE:**  
**(Nota De Operacion)**  
El grado de sensibilidad de entrada de un amplificador es el nivel de voltage requerido para hacer funcionar un amplificador a su potencia máxima. La calibración en dBV permite al operador de la mezcladora monitorear el poder del amplificador observando el nivel de dBV de los focos indicadores de la mezcladora (en las mezcladoras que lo incluyan).

**LED LEVEL INDICATOR (2)**  
**(Focos Indicador De Nivel)**  
Una línea de focos indicadores es provista para indicar visualmente tanto el poder utilizado (en porcentaje) como el "headroom" disponible expresado en DB. La parte inferior de la línea se ilumina siempre que esté conectado el aparato.

**DDT™ COMPRESSION**  
**(DDT Compresión)**  
Cada uno de los amplificadores internos estas equipados con el sistema de DDT compresión (U.S. Patente 4,318,053). El circuito DDT se enciende automaticamente para prevenir distorsion dentro de los amplificadores.

**DDT™ ACTIVE LED**  
**(LED-activo del DDT)**  
Se ilumina cuando la compresion del DDT™ ocurre. Cuando el selector del DDT esta en la posicion halada los LED se desactivan.

**OPERATION NOTE:**  
**(Nota De Operacion):**  
Es normal para el DDT™ (foco indicador) prender ocasionalmente durante una operación normal. Si la pantalla digital permanece encendida continuamente, es necesario más "headroom". En algunos casos se requerirá de un amplificador con más poder.

#### THERMAL FAULT LED (4)

Illuminates when the thermal protection circuitry is engaged. The LINE FAULT LED will also illuminate when the unit is in thermal protect mode.

#### OPERATION NOTE:

This unit is equipped with automatic resetting thermal protection. If extremely high operating temperatures cause the protection circuit to engage, the pilot LED(s) will cease illuminating and the fan will continue to run. Once it has cooled sufficiently the protection circuit will disengage and the amplifier will be re-enabled. Continued thermal cycling indicates a load problem exists (shorted cable or the total speaker load is too low), or there is inadequate ventilation.

#### LINE FAULT LED (5)

Illuminates to indicate an interruption in amp operation due to any fault condition.

#### POWER SWITCH (6)

Depress to "On" position to turn on.

#### THERMAL FAULT LED (4)

Leuchtet auf, wenn der Verstärker überhitzt ist bzw. wenn der Überhitzungsschutzschalter aktiviert ist.

#### OPERATION NOTE:

(ANWENDUNGS-HINWEIS:) Dieses Gerät ist mit einem Überhitzungsschutz mit automatischer Rückstellung ausgerüstet. Beim Auftreten extrem hoher Betriebstemperaturen wird der Schutz aktiviert und das Gerät ausgeschaltet. Dabei erlöschen auch die Pilot-LED(s), während der Ventilator eingeschaltet bleibt. Nach ausreichender Abkühlung wird der Schutz aufgehoben und das Gerät wieder eingeschaltet. Eine ständig wiederkehrende Aktivierung des Schutzes deutet auf ein Ausgangs-Problem (Kabel-Kurzschluß, Gesamt-Impedanz des/der angeschlossenen Lautsprecher zu niedrig), oder auf ungenügende Ventilation (Hitzestau).

#### LINE FAULT LED (5)

Zeigt durch Aufleuchten an, daß der Betrieb des Verstärkers aus irgendwelchen Fehlergründen unterbrochen ist.

#### POWER SWITCH (6)

(Netzschalter) Zum Einschalten in Position "On" drücken.

#### THERMAL FAULT LED (4)

(Témoin de protection thermique)

Indique l'intervention de la protection thermique. En cas de surchauffe, le témoin LINE FAULT s'allume aussi.

#### NOTE:

Cet appareil est équipé d'une protection thermique à réarmement automatique. Au cas où la température de fonctionnement dépasserait la limite autorisée, la protection arrêtera l'appareil, éteindra la diode et maintiendra le ventilateur. Après refroidissement, l'appareil se remettra en route de lui-même.

Des arrêts répétés indiquent un problème à la sortie (câble en court-circuit ou impédance de charge trop faible), ou une ventilation insuffisante.

#### LINE FAULT LED (5)

(Témoin de défaillance) Indique un arrêt de fonctionnement de l'appareil, quelle qu'en soit l'origine.

#### POWER SWITCH (6)

(Interrupteur Power Marche Arrêt) Appuyer pour mettre l'ampli sous tension.

#### THERMAL FAULT LED (4)

(LED-falla termal)

Se ilumina cuando el circuito de protección termal es activado. El LED de la línea de falla se iluminará también cuando la unidad este en modo de protección termal.

#### OPERATION NOTE:

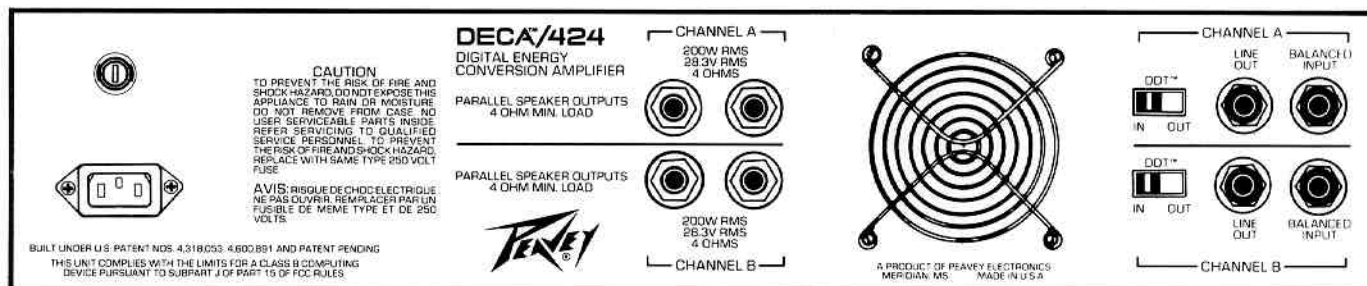
(Nota De Operacion) Esta unidad esta equipada con un protector térmico de reencendido automático. Si temperaturas extremadamente altas son alcanzadas se activará el circuito protector, apagando el foco piloto con el ventilador funcionando. Una vez que el equipo se ha enfriado lo suficiente el circuito se desactivará dejando operativo el equipo nuevamente. Cuando éste ciclo de protección ocurra a menudo es indicación de un problema de sobrecarga (cable en corto circuito o la carga total de las bocinas es muy baja) o de inadecuada ventilación.

#### LINE FAULT LED (5)

(LED - línea de falla) Se ilumina para indicar una interrupción en la operación del amplificador debido a algun fallo existente.

#### POWER SWITCH (6)

(Power Switch) Presione éste interruptor para encender el aparato.



#### BALANCED INPUT (7)

A 1/4" stereo (RTS) jack is provided for balanced input termination.

#### LINE OUT (8)

A 1/4" stereo phone jack, paralleled with the balanced input jack. May be used as a balanced or unbalanced input or line out. For balanced operation use a stereo (RTS) plug and balanced cabling.

#### OPERATION NOTE:

Using this jack with a 1/4" mono plug unbalances the input. Using this jack as a "Y-out" to an unbalanced input on another piece of equipment will unbalance all the paralleled inputs.

#### BALANCED INPUT (7)

Die Stereo-(RTS) Buchse ist für symmetrische Eingänge vorgesehen.

#### LINE OUT (8)

Die Stereo-Klinkenbuchse entspricht dem symmetrischen Klinkeneingang. Sie kann als symmetrischer oder unsymmetrischer Eingang oder Line Out gebraucht werden. Für symmetrischen Betrieb braucht man einen Stereo-Stecker und symmetrische Verkabelung.

#### OPERATION NOTE:

Der Gebrauch dieser Buchse mit einem Mono-Klinkenstecker macht diesen Eingang unsymmetrisch. Der Gebrauch dieser Buchse als ein "Y-Out" zu einem unsymmetrischen Eingang eines anderen Gerätes macht alle parallelen Eingänge unsymmetrisch.

#### BALANCED INPUT (7)

(Entrée symétrique) Prise jack 6,35 mm stéréo pour entrée symétrique.

#### LINE OUT (8)

(Sortie ligne) Prise jack 6,35 mm stéréo branchée en parallèle sur la prise d'entrée symétrique. A utiliser comme prise d'entrée ou de sortie (pour repiquage), en symétrique ou asymétrique. Pour câbler en symétrique, utiliser une fiche jack 6,35 mm stéréo et un câblage à 2 conducteurs plus blindage.

#### NOTE:

Le fait d'insérer une fiche jack mono dans cette prise rend automatiquement l'entrée asymétrique. De même, son utilisation en repiquage sur un quelconque appareil asymétrique rendra asymétriques toutes les prises qui y sont branchées en parallèle.

#### BALANCED INPUT (7)

(Entrada Balanceada) Se provee una entrada de 1/4" (RTS) para eliminar la entrada balanceada.

#### LINE OUT (8)

(Línea de Salida) Una entrada de 1/4" estereofónica en paralelo con la entrada balanceada puede ser usada como entrada balanceada o no balanceada o como línea de salida. Para operar balanceado use un conector de 1/4" estereofónico (RTS) y cable balanceado.

#### OPERATION NOTE:

(Nota Operacional) Si se utiliza esta entrada con un conector de 1/4" monofónico es desbalanceada. Si se utiliza esta entrada para hacer una "Y" de salida hacia una entrada no balanceada u otro equipo, desbalanceará todas las entradas paralelas.

**DDT™ IN/OUT SWITCH (9)**

DDT™ compression is defeated with the switch in the "out" position. DDT should be enabled at all times to protect speakers.

**DDT™ IN/OUT SWITCH (9)**

Wenn der Schalter in "Out"-Position steht, ist die DDT™-Kompression ausgeschaltet. DDT sollte eigentlich immer eingeschaltet sein um den Lautsprecher zu schützen.

**DDT™ IN/OUT SWITCH (9)  
(Interrupteur de DDT)**

La compression DDT™ est mise hors circuit lorsque le bouton est tiré. Pour protéger les haut-parleurs, nous recommandons de la laisser en service.

**DDT™ IN/OUT SWITCH (9)**

La compression del DDT™ es desactivada con el selector hacia afuera. El DDT debe estar siempre activado con el fin de proteger las bocinas.

**COOLING FAN (10)**

To protect against possible overheating, the amplifier is supplied with an internal cooling fan. The fan will operate at all times when the amplifier is turned on. To ensure efficient operation, the fan exhaust port and air intake ports should be unobstructed at all times.

**COOLING FAN (10)  
(Kühl-Ventilator)**

Um einer möglichen Überhitzung vorzubeugen ist der Verstärker mit einem Ventilator ausgestattet, der bei eingeschaltetem Gerät immer läuft. Um die Wirkung des Ventilators nicht herunterzusetzen sollten die Luftein- und Auslassöffnungen nie blockiert werden.

**COOLING FAN (10)  
(Ventilateur)**

Pour éviter une éventuelle surchauffe, l'amplificateur comporte un ventilateur intégré. Celui-ci fonctionne systématiquement lorsque l'appareil est sous tension. Veiller à ne pas gêner son fonctionnement en obstruant les ouies d'entrée et de sortie de l'air.

**COOLING FAN (10)  
(Abanico)**

Para protección del sobrecalentamiento, el amplificador tiene un abanico interno. El abanico opera siempre que está encendido el aparato. Para que opere eficientemente, las secciones de entrada y salida de aire deben de mantenerse sin obstrucciones.

**SPEAKER OUTPUTS (11)**

Provided for connection of external speaker(s). Minimum total impedance is 4 ohms.

**SPEAKER OUTPUTS (11)  
(Speaker Outputs)**

Vorgesehen für den Anschluß externer Lautsprecher. Die Gesamtimpedanz von 4 Ohm darf nicht unterschritten werden.

**SPEAKER OUTPUTS (11)  
(Sorties haut-parleurs)**

Prises de sortie vers haut-parleur (s). L'impédance résultante devra être au minimum de 4 ohms sur chaque prise.

**SPEAKER OUTPUTS (11)  
(Salida de Bocinas)**

Provista para la conexión de bocinas externas. El mínimo total de impedancia es de 4 ohms.

**FUSE (12)**

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.**

**FUSE (12)  
(Fuse)**

Die Sicherung ist in der Kappe des Sicherungshalters plaziert. Falls die Sicherung durchgebrannt ist, darf sie ausschließlich durch eine Sicherung desselben Typs und derselben Belastbarkeit ersetzt werden, da sonst das Gerät beschädigt werden kann und der Garantie-Anspruch erlischt.

**Achtung!** Die Sicherung darf ausschließlich bei gezogenem Netzstecker gewechselt werden!

**FUSE (12)  
(Fusible)**

Le fusible se trouve à l'intérieur de son support. En cas de coupure du fusible, il doit être remplacé par le MEME TYPE et las MEME VALEUR pour éviter tout DOMMAGE à L'APPAREIL et conserver le DROIT à la GARANTIE. Si le fusible claque de manière répétée, soumettez l'appareil à un technicien qualifié pour vérification.

**ATTENTION: Le FUSIBLE ne doit être remplacé qu'APRES AVOIR DEBRANCHE LE CORDON SECTEUR DE LA PRISE.**

**FUSE (12)  
(Fusible)**

El fusible se encuentra localizado dentro de la cápsula del portafusible si el fusible se quema o falla, **DEBERA SER REPUESTO CON UNO DEL MISMO TIPO Y VALORES, PARA PREVENIR DAÑO AL APARATO Y CANCELAR LA GARANTIA.** Si el aparato quema los fusibles repetidamente, vea si está conectado a un tomacorriente con el voltaje adecuado, si esto es correcto, entonces desconecte y lleve a revisión por un técnico autorizado.

**ATENCION:** El fusible deberá ser reemplazado, solo cuando el cable de alimentación sea desconectado del tomacorriente.

**AC LINE CORD SOCKET (13)**

Provided to accept the removable AC line cord.

**AC LINE CORD SOCKET (13)  
(Stromanschluss)**

Zum Anschliessen des abnehmbaren Wechselstrom-Kabels.

**AC LINE CORD SOCKET (13)  
(Prise secteur)**

Prise de branchement du cordon secteur.

**AC LINE CORD SOCKET (13)  
(Enchufe para cable de Poder)**

Provisto para enchufar el cable de corriente.

**LINE CORD****(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 (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 Störgerausche und die höchste Sicherheit vor elektrischen Schlägen wird jedoch durch die Benutzung der vorgesehenen Erdungsmöglichkeiten erreicht.

**LINE CORD****(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****(1200 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.

## DECA/424 SPECIFICATIONS:

### FREQUENCY RESPONSE:

+0,-1.5db 10 Hz to 20 kHz @ 1W RMS into 4 ohms.

### RATED POWER OUTPUT:\*

200 Watts RMS per channel into 4 ohms with less than 0.3% Total Harmonic Distortion

### TOTAL HARMONIC DISTORTION\*

Less than 0.3% @ 200 watts RMS per channel into 4 ohms

### TRANSIENT INTERMODULATION DISTORTION:

None Present (0% TIM)

### OUTPUT SLEW RATE:

The amplifier output slew rate is internally controlled to optimize phase linearity and improve transient response. Due to the nature of the amplifier design and the internal signal conditioning circuitry, it cannot slew-rate limit.

### HUM & NOISE:

Greater than 85 dB below full power (20 Hz to 20 kHz)

### INPUT SENSITIVITY:

1.0V RMS for 200 watts into 4 ohms

### LOAD PROTECTION:

Short circuit current limit. Thermal overload. Turn on and turn off transient muting.

### THERMAL:

Independent automatic thermal channel shutdown with front panel indicators.

### LOAD IMPEDANCE:

4 ohms or greater (unconditionally stable into any load configuration or any signal condition and level at the input)

### FRONT PANEL INDICATORS:

10 segment LED arrays indicating standby status and percent power output level  
DDT™ LED activation indicators  
Thermal Fault LED activation indicators  
Output Line Fault LED indicators (short circuit, DC, etc.)

### POWER CONSUMPTION:

500 watts, 120 VAC, 50/60 Hz (domestic model)

### DIMENSIONS:

19" W x 3.5" H x 14" D

### WEIGHT:

27 lbs.

\*DDT Disabled, measured at 1 kHz

The Deca™/424 is manufactured under U.S. patent #4,318,053 and five patents pending.

## CLASS B COMPUTING DEVICE: INFORMATION TO USER

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate the equipment with respect to the receiver
- move the equipment away from the receiver
- plug the equipment into a different outlet so that the equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio-television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

*"How to Identify and Resolve Radio-TV Interference Problems"*

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

### 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  
1½  
1  
½  
¼  
% 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 of 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 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.

**THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.**

**Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurées par lui selon la législation en vigueur.**

**Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen.**

**Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes países.**

#### ONE-YEAR LIMITED WARRANTY/REMEDY

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:

- The first purchase of the product is for the purpose of resale; or
- The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- 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
- 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:

- In the case of tubes or meters, replace the defective component without charge;
  - 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:

- 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

- 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 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, EXPRESS 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 EXPRESS, 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 EXPRESS 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 express 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 ADDRESS:

- 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.

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



Features and specifications are subject to change without notice.

**PEAVEY ELECTRONICS CORPORATION 711 A Street/Meridian, MS 39302-2898/U.S.A./(601) 483-5365/Telex: 504115/Fax: 484-4278**