



KB1000

Congratulations on your purchase of the **KB1000** series amp. The **KB1000** combines a 7-channel stereo line mixer, 4-band EQ, Direct Out box and a stereo / bi-ampable power amp with crossover into one compact package. Your new amp inherits Carvin's rugged DCM power amp technology with features including power amp limiters, high current Speakon™ speaker connectors, 1" Titanium Drivers for the **KB1010** and the **KB1015** combos, and thermal/short circuit protection. This manual covers the **KB1000** head the **KB1010** and **KB1015** combo amplifiers.

GETTING STARTED QUICKLY

If you are like most players, you probably want to plug in your new amp and get started playing right away. However, with a full-featured amp like the **KB1000**, it is important to set it up correctly for optimum results. Before you start, be sure your amp is plugged into the correct AC voltage.

1. With the amp turned off, set the **POWER AMP 1 & 2** levels to "5" and set the **MAIN** level to "0" to start. Adjust volume with the **MAIN** level.
2. Set the **X-OVER** switch to the "OUT" position. "IN" if you are using the **KB1015** cabinet.
3. Make sure the **BRIDGE** switch (rear) is set to the "OUT" position.
4. Set the **LOW, LOW MID, HI MID** and **HIGH** tone controls to their center "0" position. Adjust later after you are more familiar with the amp.
5. Plug your keyboard stereo outputs into one of the **INPUT** jack pairs 1 thru 7. Mono signals should be plugged into the right (R) input jack which will be fed to both **LEFT** and **RIGHT** outputs of the amp. Start with the **INPUT LEVEL** controls at about "3".
6. Now, turn the amp **ON**.
7. With your keyboard output set to 5, start playing. Check to be sure the red **PK LED** next to the **INPUT LEVEL CONTROL** is not flashing (very dim flashing is OK) or unwanted distortion will result. Turn down your keyboard's output level if your instrument causes input clipping or turn down the **AMP 1** or **AMP 2** levels on the amp. If you hear no sound and the green **SIG LED** does not light, turn up your keyboard's output level or check your connection.
8. Gradually raise the **MAIN POWER AMP** level. Re-adjust according to the desired volume. Never try to get full power by pushing the **INPUT LEVEL** controls to maximum while keeping the **AMP 1 & 2** and **MAIN** levels below 5, they should be set to 10.
9. Biamping the **KB1015** combo or any large stack requires careful balancing of the **AMP 1 & 2** controls. These controls power the woofer and 1" Titanium HF Driver independently. Double check to see that the speakers are plugged into the correct amp outputs. If the cables are reversed your amp will not perform correctly.
10. Need more output? The **KB1000** is a powerful 1000w amp. Adding more speakers is the best way to substantially increase output. Every time you double your speakers, your acoustic output goes up by a factor of four. This is far more efficient than trying to add 4 times the power because speakers become less efficient when driven hard. Bridging your amp into 4 ohms gives you maximum output. However, the high power of this amp can damage your speakers. The amp will go into "protect" if loaded below 4 ohms in the bridged mode. Hopefully, this will help you get started. Have fun exploring the features and sounds of the **KB1000**.

DESIGNED FOR TOURING

Every **KB1000** is made from heavy-duty 16 gauge steel that is galvanized before being painted to prevent rust. All internal cabling is neatly tied and harnessed. Every circuit card is MIL SPEC, double-sided, through-hole plated, fire retardant FR-4 glass epoxy. This insures that the solder flows on the top, bottom and through each hole of every component, preventing components from shaking loose. Toroid transformers are used as they are the engineer's choice for greater power supply current while reducing weight and magnetic "hum" fields. Every KB model is made in the USA.



KB1010

KB1015

RECEIVING INSPECTION

INSPECT YOUR UNIT FOR ANY DAMAGE which may have occurred during shipping. If any damage is found, please notify the shipping company and CARVIN immediately. SAVE THE CARTON & ALL PACKING MATERIALS. In the event you have to reshipe your unit, always use the original carton and packing material. This will provide the best possible protection during shipment. CARVIN and the shipping company are not liable for any damage caused by improper packing. SAVE YOUR INVOICE. It will be required for warranty service if needed in the future. SHIPMENT SHORTAGE. If you find items missing, they may have been shipped separately. Please allow several days for the rest of your order to arrive before inquiring. RECORD THE SERIAL NUMBER on the enclosed warranty card or below on this manual for your records. Keep your portion of the card and return the portion with your name and comments to us. You may register your warranty online @carvin.com/registration

USA customers register online at: www.carvin.com/registration

All other countries register online at: www.carvinworld.com/registration

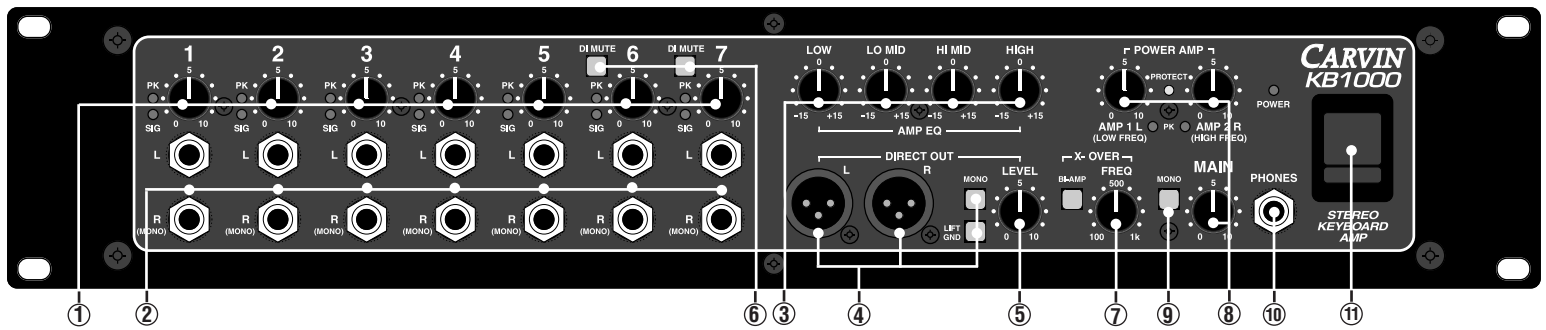
KB1000 SPECIFICATIONS:

Output Power	THD < 1%	225/225w
8Ω	THD < 1%	350/350w
4Ω	THD < 1%	500/500w
2Ω	THD < 1%	700w
8Ω Bridged	THD < 1%	1000w
4Ω Bridged	THD < 1%	
THD	Less than .5% at 1k Hz	
Frequency Response	20 Hz to 20k Hz	
Channels 1 - 7	Level controls, signal and peak LEDs, stereo/mono auto input switching, DI mute on channel 6 and 7.	
Input Impedance	>10kΩ	
Amp EQ.	LOW ±15dB @ 50Hz LO MID±15dB @ 300Hz HI MID±15dB @ 2.5kHz HIGH ±15dB @ 10kHz	
Crossover	12dB per Octave Sweepable 100Hz to 1kHz	
• Stereo XLR direct output with level control and ground lift switch • Front panel master volume and independent power amp volumes with protection and peak indicators • Front panel headphone jack • Two 1/4", one Speakon™ and binding post speaker outputs for each channel, plus a bridge out Speakon™ jack • Rear panel 1/4" balance line output jacks		
AC Requirements	120VAC 60 Hz or 230VAC 50 Hz optional model	
Power Requirements	1200VA	
Dimensions:	KB1000: 19"W x 10"D x 3.5"H KB1010: 23.5"W x 18"D x 21.5"H KB1015: 21.75"W x 15.25"D x 31.25"H	
Weight:	KB1000 Head: 30 Lbs, KB1010: 72 Lbs, KB1015: 97 Lbs.	
Warranty	One year parts and labor	

For your records, record the following information.

76-72000B 0705 Serial No. _____ Invoice Date _____





FRONT PANEL FEATURES

1. INPUT LEVELS AND MIXING 1-7

The KB1000 has 7 inputs which are combined to produce a single stereo or mono output. The **INPUT LEVEL** control is used to set the input level and how much signal is mixed. To make sure you have plenty of headroom for mixing, the keyboard output levels should be set so that turning the **INPUT LEVEL** to at least “7”, preferably “10” will not cause clipping. The red **CLIP** LED indicates when the input is close to clipping. To avoid clipping, reduce the keyboard level first, then turn down the **INPUT LEVEL** knob if the clipping persists. The green **SIG** LED indicates a signal is present at the input ONLY when the **INPUT LEVEL** is turned up.

2. INPUT JACKS

Two 1/4" phone jacks are provided on each of the 7 channels to accommodate both stereo and mono instruments. Plugging mono sources into the “R” jack of an **INPUT** will send signal to both **LEFT** and **RIGHT** outputs. You can double the amount of inputs by choosing to run in “**MONO**” mode and plugging into all 14 (1-7, L&R) input jacks, without regard to stereo assignment. Adjust keyboard output levels to mix L&R inputs accordingly.

3. AMP EQ CONTROLS

The **AMP EQ** tone controls consist of a **LOW**, **LO MID**, **HI MID** and **HIGH** controls. These controls DO NOT affect the **DIRECT OUT XLRs**. Since most of the tone shaping is done within the keyboard itself, the **AMP EQ** controls are designed to accommodate for differences in speakers and acoustic environments. The **LOW** control affects the lowest frequencies. Excessive “BOOMINESS” can be reduced by turning the **LOW** control down while turning it up can add fullness to your sound. The **LO MID** control adjusts frequencies in the 300Hz range adding extra punch when needed. The **HI MID** control adjusts frequencies in the 2.5kHz range allowing you to “cut through” on a crowded sound stage. The **HIGH** control knob is designed to cut or boost the highest frequencies. Usually a “dead” room will require a boost from the **HIGH** control while a “live” room with a lot of reflective surfaces will invite you to reduce the **HIGH** control. Note: boosting the high frequencies can result in increased hiss. This is normal. The **AMP EQ** is a sound shaping tool which may require some practice to get the best results. Listen to the results and experiment with different settings.

4. DIRECT OUT XLRs

The **DIRECT OUT XLRs** are balanced outputs that get their signal directly from **INPUTs 1-7**. These outputs are very useful when connecting to the main mixing board for live performances or recording. Use the **DIRECT OUT LEVEL** control to set the output. The **MONO** switch is used to combine the **LEFT** and **RIGHT** INPUTS so that both **L-R DIRECT OUT XLR** jacks receive the same mono signal. **NOTE: THE DIRECT OUT MONO SWITCH DOES NOT AFFECT THE STEREO OR MONO OUTPUT OF THE POWER AMP.** A **LIFT GND** switch is also available on the **DIRECT OUT XLR** jacks. Set this switch for the lowest hum/noise when using this output. When the **LIFT GND** switch is depressed, the signal ground is lifted from these jacks thus eliminating any ground loops between the KB1000 and the gear it's feeding. **NOTE: THE AMP EQ, POWER AMP 1&2 AND MAIN LEVEL CONTROLS DO NOT AFFECT THE DIRECT OUT SIGNAL.**

5. DIRECT OUT LEVEL

The **DIRECT OUT LEVEL** control sets the output for the **DIRECT OUT XLRs ONLY**. It will not affect the volume coming out of the amp speakers or the rear line outs. Communicate with the mixing engineer to set the proper level.

6. DI MUTE SWITCHES (ON INPUTS 6&7)

Inputs **6** and **7** feature **DI MUTE** switches. When pressed “**IN**”, signals from inputs 6 and 7 will be **REMOVED** from the **DIRECT OUT XLRs**, but will still be heard through the **AMP 1&2** speaker outputs, **PHONES** jack and rear **LINE OUT** jacks. This is useful for listening to “click” tracks, monitor feeds or other sources **WITHOUT** sending these signals to the **DIRECT OUT XLRs** and to the house system.

7. ELECTRONIC X-OVER (BI-AMPING)

When the **BI-AMP** switch is pressed “**IN**”, the amp is in the bi-amp mode. This means all frequencies **BELOW** the **X-OVER FREQ** are sent to the **POWER AMP 1 OUTPUT**, while frequencies **ABOVE** the **X-OVER FREQ** are sent to the **POWER AMP 2 OUTPUT**. To select the crossover frequency, rotate the **FREQ** control knob until the desired frequency is obtained. Try **800Hz**. A bi-amped system gives the user greater control over the tone. This allows speakers designed

for specific frequencies to be utilized to their fullest potential. Subwoofers will be more efficient at reproducing low frequencies with less distortion. Full range enclosures will not have to work as hard reproducing the lowest frequencies which consume the most power. **Stereo (L-R) separation from the power amps is no longer possible, but is retained at the DIRECT OUT XLRs and PHONES jack.** NOTE: BI-AMPING DOES NOT NECESSARILY DELIVER THE MOST VOLUME FROM YOUR SYSTEM.

8. OUTPUT CONTROL GROUP-MAIN, AMP 1L, AMP 2R

The output group controls the volume and amp output levels. The **POWER AMP 1 & 2 CONTROLS** adjust the volume to the individual amps. The **MAIN** control sets the overall volume. Try setting the **MAIN** control to 5 as a starting point.

FULL RANGE MONO (KB1010) AND STEREO: For KB1010 operation push the **MONO** (MAIN) switch **IN**. Turn up the **AMP 1L** knob on the KB1010 until the desired volume level is reached. If you are connecting a pair of speakers for stereo use, be sure to release the **MONO** (MAIN) switch. Turn up the **AMP 1L & AMP 2R** knobs until the desired volume level and left and right balance is reached.

BIAMP CONTROL (combos): To set the balance, bring up the **AMP 1L (LOW FREQ)** knob until the desired volume level is reached. Now bring up the **AMP 2R (HIGH FREQ)** knob until the desired balance has been achieved.

BRIDGE mode, use only the **AMP 1L** control, as the **AMP 2R** control becomes ineffective. If either of the red **PK** LEDs flash for **AMP1** or **AMP2**, reduce the **POWER AMP 1** or **2** volume or, engage the **LIMITER** switch on the rear panel.

9. MONO (MAIN) SWITCH

With the **MONO** switch in the “**OUT**” position, the KB1000 will preserve stereo imaging from the **INPUT JACKS** to the **POWER AMP 1(L) & 2(R)** outputs. Setting the **MONO** switch to the “**IN**” position will send the combination of both **LEFT** and **RIGHT** signals to both **POWER AMP OUTPUTS**. Helpful if only one speaker cabinet is used, or if stereo imaging is not important. **NOTE: THE MONO (MAIN) SWITCH DOES NOT AFFECT THE STEREO OR MONO OUTPUT OF XLR DIRECT OUTS.**

10. PHONES JACK

A **PHONES** jack is provided for practicing or monitoring. The **MAIN** knob controls the volume. The phones jack does not interrupt the amplifier output. To listen to the **PHONES** output without sound from the speakers, turn down the **POWER AMP 1&2** controls. A high-current headphone amp drives this output for any pair of headphones.

REAR PANEL FEATURES

11. POWER / (RESET)

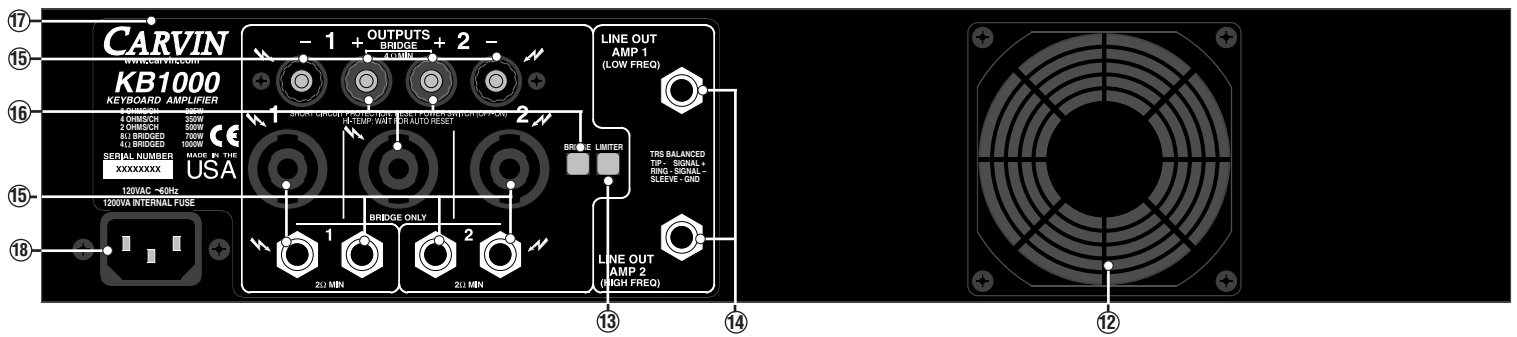
Push the upper portion of the **POWER SWITCH** to turn the amplifier on. If the **POWER** LED is on but no sound is coming out of the speakers, the amp may have gone into one of its protection modes with the **PROTECT** LED ON. To reset the amp, turn the power off for one minute and then turn the amp back on. If the problem persists, check for; **a)** The speaker impedance is too low for the bridge output (4 ohm min.) or normal outputs (2 ohms min. per amp) **b)** bad speaker cable, **c)** damaged speaker or **d)** blocked rear fan cooling vents.

12. COOLING VENTS

The rear vents cool the internal power amps. Provide a minimum of 3” clearance for adequate ventilation. Blocking the air flow to these vents will cause the amp to thermally protect and turn the speaker relays off. The **PROTECT** LED on the front panel will light. If this happens, clear the obstruction first, keep the power on, allowing the amp to cool. The amp will engage the speaker relays when cooling conditions return to normal.

13. LIMITER SWITCH

The KB1000 features distortion-free, optoisolator power amp limiters. Limiters help prevent power amp clipping by reducing peaks before they reach the amp. To use this feature, press “**IN**” the **LIMITER** switch.



14. LINE OUT AMP 1&2 JACKS (LOW FREQ & HIGH FREQ)

The **LINE OUT AMP** jacks receive the same signals that drive the internal power amps. These jacks are TRS (Tip-Ring-Sleeve) for balanced or unbalanced connections. Using a standard instrument cable or TRS (Tip-Ring-Sleeve) cable, the amp signal can be sent to the external power amp(s). Use the front **AMP1** & **AMP2** controls for level adjustments. When the **X-OVER** switch is set to "IN", **AMP1** receives the low frequency signals and **AMP2** receives the high frequency signals as set by the front panel crossover.

15. SPEAKER OUTPUTS

The **KB1000** amp contains four 1/4" jacks (2 per amp), 2 sets of **BINDING POSTS** (1 per amp), and two **SPEAKON™** speaker output connectors, (1 per amp). The third **SPEAKON™** is for BRIDGE setup only. The **AMP 1 (LOW FREQ)** outputs correspond to the **AMP 1 (LOW FREQ)** knob and the **AMP 2 (HIGH FREQ)** outputs correspond to the **AMP 2 (HIGH FREQ)** knob on the front panel. Multiple speakers can be attached to either the 1/4" or **SPEAKON™** jacks so long as the total impedance is not below 2 ohms per amp.

16. BRIDGE SPEAKER OUTPUTS

The **KB1000** produces 1000 watts (bridged mono) into a 4Ω load or 700 watts into an 8Ω load. To activate, push the rear recessed **BRIDGE** switch "IN" with a pencil and set the front **BI-AMP** switch to the "OUT" position. In **BRIDGE** mode, the **AMP 2R** knob is not effective. Plug the speakers into the **BRIDGE ONLY-SPEAKON™** jack or connect across the inner two **RED BINDING POSTS**. Pins 1+ and 1- are used on the **Speakon™** connector. The minimum total impedance is 4 ohms.

17. INTERNAL FUSE

If there are high AC voltage surges or if the amp is used with excessive loads, the internal fuse will protect your amp from damage. If the fuse fails, use the proper replacement fuse: 120 VAC models use a **25 AMP 250VAC** slow blow. 240 VAC models use a **15 AMP 250 VAC** slow blow.

18. AC LINE CORD

All **KB1000** amplifiers are supplied with detachable three conductor AC line cords. Make sure the cord is securely inserted into the back of the unit. Never defeat the ground of the AC line cord as it is there for your protection. If you must plug into a two prong outlet, use a quality 3 to 2 prong grounded adapter and properly ground it.

SPEAKER CONNECTIONS

SPEAKON™ cables are recommended for your system because of their high current capacity. While the standard 16 GA 1/4" cables will work OK with your system, the **CARVIN 12 GA SPEAKON™** cables will allow you to gain as much as 20% more power at high power levels extracting every watt from your **KB1000** amp. The very short 1/4" cables will work fine for the **KB1010** and **KB1015** combo amps.

FULL RANGE MODE:

The **FULL RANGE MODE** of your **KB1000** amp works well with separate bass and full-range speaker systems. Instead of using the **BI-AMP** mode, you can simply run **AMP 1** into your bass speakers and **AMP 2** into your full-range speakers using the natural crossover frequencies of each speaker system. If you need deeper bass or more highs, just turn up amp 1 or amp 2 for a balanced sound. Set the front panel **X-OVER** switch to the "OUT" position, and the **MONO** switch to the "IN" position for **FULL-RANGE MODE**. If using only **ONE** speaker, as with the **KB1015** combo, turn the unused **POWER AMP** control to "0".

BI-AMP MODE:

To BI-AMP your speakers, connect your BASS speaker(s) into **AMP 1** and your FULL-RANGE speaker(s) into **AMP 2**. Set the front panel **X-OVER** switch to the "IN" position for BI-AMPING. Try setting the **X-OVER FREQ** control to **800 Hz**, this is a common crossover point for many speaker systems. Now adjust the **AMP 1L** and **AMP 2R** power amp controls to get a bal-

anced sound. If you have the **KB1015** combo and you are in the BI-AMP MODE. Be sure the **LOW FREQ INPUT** is plugged into **AMP 1** and the **HI FREQ INPUT** is plugged into **AMP 2**.

STEREO MODE:

The **STEREO** mode of your **KB1000** amp takes advantage of the lush stereo imaging available from modern keyboards. Simply run **AMP 1** into your main speaker and **AMP 2** into an extension speaker. The front panel **MONO** and **X-OVER** switches must be left in the "OUT" position for **STEREO** MODE.

BRIDGE MODE:

To get high output from your **KB1000** amp with two 8 ohm speakers or one 4 ohm speaker, use the **BRIDGE MODE**. Set the front panel **X-OVER** switch to the "OUT" position. On the rear of the amp, push the **BRIDGE** switch "IN". In **BRIDGE** mode, the **AMP 2R** control is not used, use only the **AMP 1L** control. Plug one **SPEAKON™** cable into the rear amp **BRIDGE ONLY** connector and daisy-chain another **Speakon™** from speaker to speaker. Two 8 ohm speakers will give you a total impedance of 4 ohms, which is the maximum power from your amp. If you use two 4 ohms speakers on the **BRIDGE** output, your amp will shut off and go into the "protect" mode. To reset, turn your amp off and connect only two 8 ohm speakers (or one 4 ohm) speaker to your amp when you are in **BRIDGE** MODE.

FOR MAXIMUM OUTPUT:

To get your loudest output, use multiple speakers or enclosures. Every time you double your speakers, your acoustic output goes up by a factor of four. Load the amplifier down to its lowest minimum impedance for maximum RMS power.

EXTENSION SPEAKERS:

The extension speaker for the **KB1010** is the **1010E** and for the **KB1015**, the model number is **1015E**. Please contact Carvin sales at **800-854-2235** or carvin.com.

HELPFUL HINTS

- 1) **POOR BIAMP SOUND:** The speaker cables from **AMP 1** (woofers) and **AMP 2** (1" titanium hf drivers) have been reversed, **AMP 1** and **2** level controls are not balanced or the **X-OVER** has been set at an incorrect frequency. (start at 800 Hz). **WARNING:** Incorrect **BIAMP** connections may damage mid/high frequency drivers.
- 2) **NO SOUND FROM AMPS 1 & 2:** The rear **BRIDGE** switch has been inadvertently pushed in, or speakers plugged into wrong jacks.
- 3) **NO HIGH FREQUENCIES:** 1" Titanium HF Drivers have been damaged from too much power or low frequencies. Be sure to make the correct speaker connections when **BIAMPING**.
- 4) **WEAK BASS:** The speaker systems are wired out of phase to each other. To correct, reverse the wires on one speaker connector.
- 5) **DIRECT OUT XLR HUM:** Try switching the **GND LIFT** switch IN or OUT. If the hum is not eliminated, use Carvin's **MTF55** ground lift adaptor which cuts the input ground on the connectors.
- 6) **KEYBOARD PATCHES SOUND "HOLLOW" or HAVE LOW VOLUME:** Try disconnecting one of the stereo inputs from the keyboard. Some keyboard or effects settings depend on stereo imaging to get their full-sound. This commonly means putting the left and right signals out-of-phase. If these out-of-phase signals are mixed in either the **MONO** or **BIAMP** MODES, cancellation of signal will occur. Panning or "leslie" effects within a patch may cause similar results.
- 7) **HEADPHONE VOLUME IS TOO LOW OR YOU NEED TO SHUT OFF SPEAKERS:** Turn down the **POWER AMP 1 & 2** controls and increase the **MAIN** level control.

This symbol is 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.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT! FOR YOUR PROTECTION, PLEASE READ THE FOLLOWING: WATER AND MOISTURE: Appliance should not be used near water (near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

POWER SOURCES: The product should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

GROUNDING OR POLARIZATION: Precautions should be taken so that the grounding or polarization is not defeated.

POWER CORD PROTECTION: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

SERVICING: The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

FUSING: If your unit is equipped with a fuse receptacle, replace only with the same type fuse. Refer to replacement text on the unit for correct fuse type.

SAFETY INSTRUCTIONS (EUROPEAN)

The conductors in the AC power cord are colored in accordance with the following code.

GREEN & YELLOW—Earth BLUE—Neutral BROWN—Live

U.K. MAIN PLUG WARNING: A molded main plug that has been cut off from the cord is unsafe. NEVER UNDER ANY CIRCUMSTANCES SHOULD YOU INSERT A DAMAGED OR CUT MAIN PLUG INTO A POWER SOCKET.

LIMITED WARRANTY

Your Carvin product is guaranteed against failure for 1 YEAR unless otherwise stated. Carvin will service and supply all parts at no charge to the customer providing the unit is under warranty. Shipping costs are the responsibility of the customer. CARVIN DOES NOT PAY FOR PARTS OR SERVICING OTHER THAN OUR OWN. A COPY OF THE ORIGINAL INVOICE IS REQUIRED TO VERIFY YOUR WARRANTY. Carvin assumes no responsibility for horn drivers or speakers damaged by this unit. This warranty does not cover, and no liability is assumed, for damage due to: natural disasters, accidents, abuse, loss of parts, lack of reasonable care, incorrect use, or failure to follow instructions. This warranty is in lieu of all other warranties, expressed or implied. No representative or person is authorized to represent or assume for Carvin any liability in connection with the sale or servicing of Carvin products. CARVIN SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SERVICE

In the USA, please call 800-235-2235 for a RMA # (return authorization number). Write this number on the box and enclose a description of the problem. Prepay to Carvin 12340 World Trade Drive, SD, CA 92128.

Outside the USA, contact your dealer or go to http://www.carvinworld.com for your nearest service center. Include a written description of the problem with serial number and date of purchase.

MAINTAINING YOUR EQUIPMENT

Avoid spilling liquids or allowing any other foreign matter inside the unit. The panel of your unit can be wiped from time to time with a dry or slightly damp cloth in order to remove dust and bring back the new look. As with all pro gear, avoid prolonged use in caustic environments (salt air). When used in such an environment, be sure the amplifier is adequately protected by rack, covers, etc..

REPLACEMENT PARTS LIST FOR KB1000

Table with 2 columns: Part Number and Description. Includes items like PCB ASSY MAIN KB1000 SMT, STANDOFF W/ANTI SPIN .56X.25", CABLE RIBBON 24A 4P/4" W/HDR, etc.



REFER SERVICING TO QUALIFIED SERVICE PERSONNEL! THIS UNIT CONTAINS HIGH VOLTAGE INSIDE!

Table with 2 columns: Part Number and Description. Includes items like RECEPTACLE AC/WFAST-ON CHASS, SPEAKER 4-POLE PCMGT #N4L4MD-V, JACK 250 PHONE MONO STEEL, etc.