

KUSTOM

OWNER'S MANUAL

KBA65/100

Thank you for purchasing the Kustom KBA65 model bass guitar amplifier. Kustom has listened to musicians throughout the world and stands proudly behind each and every one we make. It was designed with your needs in mind. Flexible, feature laden, great sounding, able to adapt to all kinds of music, this amplifier really delivers what you have been looking and waiting for. Whatever style you choose, it's ready!

Kustom, with a 30 year tradition of excellence in design, proudly delivers to you this amp and rewards you with a rugged and dependable amp designed and engineered in the USA. Again, thank you for your purchase. Please take a few minutes to learn about all the professional features that are built in.

SPECIFICATIONS

Model	Power	Equalizer	Channels	Impedance	Effects	Amplifier Type	Dimensions	Weight
KBA65	65 W	6 Band	One	8 Ohms	8 Preset Digital EFX	MOS-FET Transistor	21"x14.6"x17.5"	56 lbs.
KBA100	100W						53.4x37x44.5cm. 24"x14.6"x17.5" 61.1x37x44.5cm.	21.1 kg. 68 lbs. 30.1 kg.

DANGER

EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY 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:

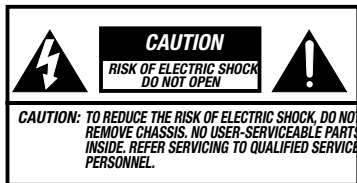
DURATION PER DAY IN HOURS
8
6
4
3
2
1
1/2 HR. or LESS

SOUND LEVEL db	FLOW RESPONSE
90	
93	
95	
97	
100	
103	
110	

ACCORDING TO OSHA, ANY EXPOSURE IN THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS. EAR PLUGS OR PROTECTORS IN THE EAR CANAL OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS. IF EXPOSURE IN EXCESS OF THE LIMITS AS PUT FORTH ABOVE, TO INSURE AGAINST POTENTIALLY HARMFUL EXPOSURE TO HIGH SOUND PRESSURE LEVELS. IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF INDUCING HIGH SOUND PRESSURE LEVELS, SUCH AS THIS AMPLIFICATION SYSTEM, BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

WARNING!

- THIS APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING. NO OBJECTS FILLED WITH LIQUIDS SUCH AS VASES SHALL BE PLACED ON THE APPARATUS.
- TO AVOID ELECTRICAL SHOCK, DO NOT DISASSEMBLE. REFER SERVICING TO QUALIFIED PERSONAL ONLY!



AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.



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 UNIT.

IMPORTANT

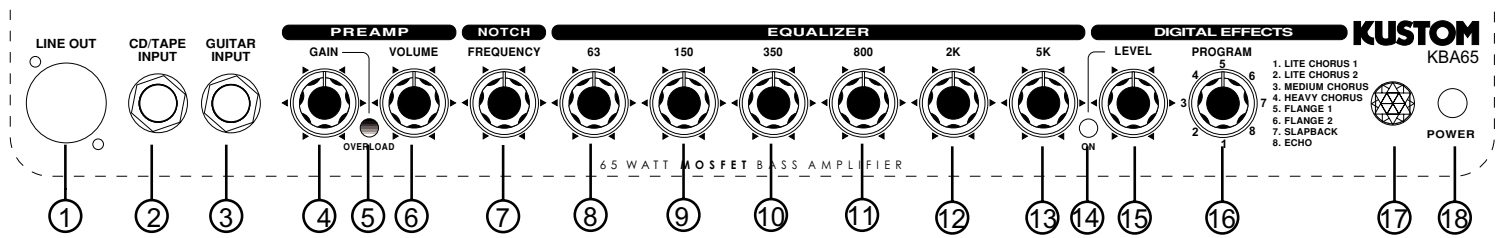
1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water i.e. bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with 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 indicated on the back of the amplifier near the power supply cord.
9. Do not break off the ground pin of the power supply cord.
10. Power supply cords should always handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is 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 and vinyl covering may be cleaned with a damp rag.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports 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 must be done by a qualified service technician for warranty repairs.

CAUTION

THIS AMPLIFIER HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC WHICH MAY REQUIRE OCCASIONAL PEAK POWER. EXTENDED OPERATION AT ABSOLUTE MAXIMUM POWER 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 MASTER VOLUME CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

KUSTOM

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1.) Line Output - this is a 3 cond. XLR output jack for plugging into Lo-Z microphone inputs as found on PA or recording mixers. It is intended in place of external mics or used as a built in direct box.

2.) CD/Tape Input - this 1/4" 3 conductor jack will allow you to plug in a CD player, tape or any other source to practice along with. It sums the left and right signals into a mono signal. To control the volume of the source, adjust the output volume of the device.

3.) Guitar Input Jack - this is a 1/4" 2 conductor input jack for plugging in your instrument. It is intended for bass but will accept other instruments as well.

4.) Gain - adjust this clockwise to match the output level of your bass to the preamp input. If you get an over load LED that lights up you should lower the gain and increase the volume level for the cleanest possible sound.

5.) Overload LED - this LED will indicate an overload on the preamp..

6.) Volume - this is the volume control of the amplifier. It works in conjunction with the gain control.

7.) Notch - this control is a wide band sweep from 40 to 800 Hz. It is set at -12db to help you fine tune your sound. It is effective for clearing up unwanted overtones.

Equalizer Section - All controls are active with a center detent which is equivalent of bypass for that band. Turning it counterclockwise, will cut the response at the given frequency up to -12db. Clockwise, it will boost up to +12db.

8.) 63 - frequency center of 63 Hz. Boost or cut +/- 12db.

9.) 150 - frequency center of 150 Hz. Boost or cut +/- 12db.

10.) 350 - frequency center of 350 Hz. Boost or cut +/- 12db.

11.) 800 - frequency center of 800 Hz. Boost or cut +/- 12db.

12.) 2K - frequency center of 2Kz. Boost or cut +/- 12db.

13.) 5K - frequency center of 5KHz. Boost or cut +/- 12db.

14.) Effects On/Off - this switch engages the digital effects section.

15.) Effects Level - this control adds the digital effects section and mixes it into the main signal buss. Several different effects are available. 4-Chorus, 2- Flange and 2 Echos.

16.) Program Select -this switch will select any of eight different effects. 6-Chorus and 2- Flange.

17.) Jewel Light - this jewel light lets you know that the amplifier is on.

18.) Power - this switch turns on and off the AC power to the amp.

Back Panel - (not pictured)

Speaker Out - this is a 2 conductor 1/4" speaker output jack. This will disconnect the internal speaker and allow an external speaker cabinet to be employed. Rating is 8 ohms.

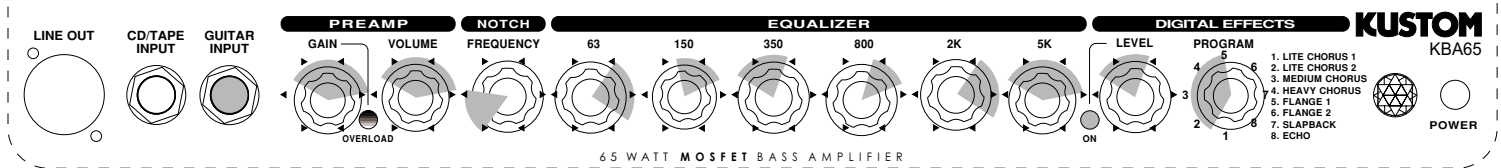
Line Output - this is a 2 conductor 1/4" line output jack. This will allow an external amplifier or mixing board to be supplied with the signal from this amp.

Effects Loop I/O - these are 2-2 conductor 1/4" jacks. This will allow an external effects device or equalizer to be patched back in before the power amp section in this amp. One is send and the other is return.

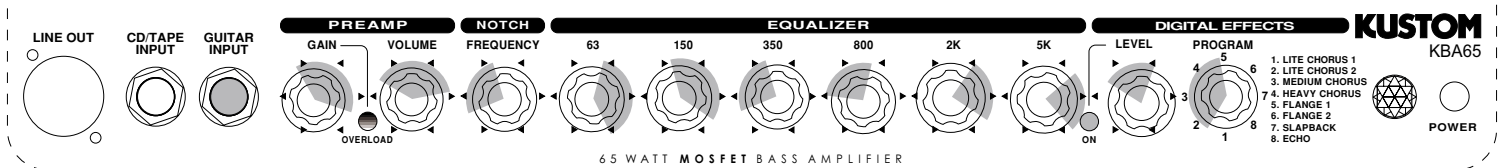
Footswitch Jack - this is a 2 conductor 1/4" jack. This is for hooking up a footswitch to turn on/off the effects section

Suggested Settings

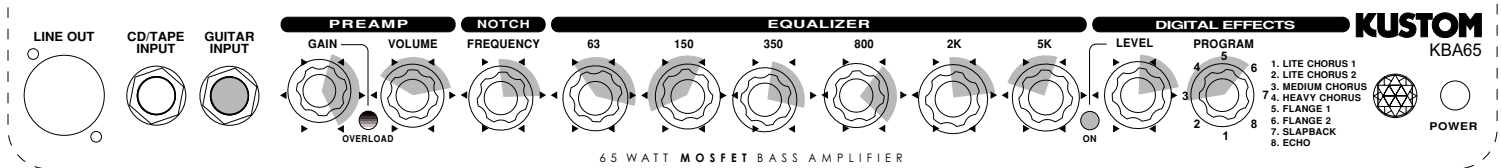
(These settings are general starting points. They are designed to get you close to the sound you are looking for. If the control is not shown, then it doesn't apply to this particular sound.)



Traditional Electric Bass Setting - in this setting the amplifier will deliver a standard electric bass sound. Whether you are playing rock, country, blues or gospel, this setting will get you close. Because of the Active E.Q., you will be able to dial in your personal preferences from here. If you play with a pick and want less top end attack on the notes, roll off a bit of the High control. If it's deeper bottom your looking for, add more low and low mid. The key is to experiment to achieve your own personal sound. The digital effects, designed especially for bass, can be used with any setting to enhance your tone.



Funk "Slap" Sounds - this style of music needs a good strong attack sound with lots of top end. Usually a hollowed out middle will produce the extra top end necessary for the punch needed for this style of music. If you are using a more thumb style, a bit more low end and volume might be needed for your particular style of playing. Or less if you really hit it hard. Even though this is a practice or rehearsal level amplifier, it will deliver the punch and clarity that you require. The digital effects, designed especially for bass, can be used with any setting to enhance your tone. Chorus and Flange are wonderful in filling out your sound. Remember to try this amp with an additional speaker plugged in. You'll be nicely surprised.



Alternative Style - this setting is designed for an upper end punch and edge that will cut through most any sound. This style will work well with pick or fingers and will add a touch of distortion to the sound as well. Make sure your instrument's volume control is up all the way. Since you are adding volume, you need to be careful with the actual amount of e.q.. you use as it also can add distortion to the sound. The digital effects, designed especially for bass, can be used with any setting to enhance your tone. Also, you may want to use a compressor pedal in the signal chain before the amp to give it a smoother sound but still "edgy". As in all the settings above, it is strictly a matter of personal taste in a achieving the sound you are looking for.....experiment.