

*Owner's Guide*  
*for the*  
**CRATE MxB15**  
**Bass Amplifier**



# MXB15 Bass Amplifier

## Congratulations!

You are now the proud owner of the compact but powerful Crate MXB15 Bass Amplifier. Small in size yet big in performance: the 8" Crate Custom speaker makes the most of the amplifier's 12 watts of musical output power. A 4-band rotary EQ and built-in Limiter circuit give you complete control over a wide variety of sounds. In addition, the front panel headphone and external speaker jacks make this amplifier equally suited for practicing as well as performing in intimate surroundings.






Like all Crate products, your MXB15 is designed by musicians and built using only the best components. Extensive testing confirms that this amplifier is the absolute best it can be.

In order to get the most out of your new amplifier, we strongly urge you to read the information contained in this manual before you begin playing.

And **thank you** for choosing 

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 <b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	 <b>PRECAUCION</b> RIESGO DE CORRIENTAZO NO ABRA	 <b>ATTENTION</b> RISQUE D'ELECTROCUTION NE PAS OUVRIR
<small>WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</small>	<small>PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEDA EXPUESTO A LA LLUVIA O LA HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR DE JE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.</small>	<small>ATTENTION: PROTÉGEZ CET APPAREIL DE LA PLUIE ET DE L'HUMIDITÉ AFIN D'ÉVITER TOUT RISQUE D'INCENDIE OU D'ÉLECTROCUTION. POUR RÉDUIRE D'ÉLECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIÈCE INTERNE N'EST REPARABLE PAR L'UTILISATEUR. POUR TOUTE RÉPARATION, S'ADRESSER À UN TECHNICIEN QUALIFIÉ.</small>
<b>IMPORTANT SAFETY INSTRUCTIONS</b>		
<ul style="list-style-type: none"> <li>• READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.</li> <li>• DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS.</li> <li>• DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.</li> <li>• CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.</li> <li>• ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS.</li> <li>• PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.</li> <li>• UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.</li> <li>• ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.</li> <li>• THIS APPARATUS DOES NOT OPERATE NORMALLY AND REQUIRES SERVICE WITH ANY PHYSICAL DAMAGE FROM IMPACT OR ANY EXPOSURE TO MOISTURE.</li> <li>• SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.</li> <li>• OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.</li> </ul>		
<small>EXPLANATION OF GRAPHICAL SYMBOLS:          EXPLICACION DE SIMBOLOS GRAFICOS:          EXPLICATION DES SYMBOLES GRAPHIQUES:</small>	 = "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION"	 = "IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL" "ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES." "REFERREZ-VOUS AU MANUAL D'UTILISATION"

# **MXB15 Bass Amplifier**

## **Important Safeguards and Precautions:**

All Crate products are designed for continuous safe operation. Abiding by the following rules can help prevent damage to your amplifier, yourself and others.

- The amplifier is equipped with a three-pronged AC power cord. To reduce the risk of electrical shock, **NEVER** remove or otherwise attempt to defeat the ground pin of the power cord.
- Connect the amplifier **ONLY** to a properly grounded AC outlet of the proper voltage for your amp.
- Avoid sudden temperature extremes, rain and moisture. Also, avoid sudden and intense impact. (If the unit has been subjected to any of the preceding abuses, have it looked at by an authorized service center.)
- Do not expose the unit to splashing or dripping liquid. Do not place liquid filled objects on the unit.
- **NEVER** set the amplifier on a support that will not bear its weight.
- Always keep the total speaker impedance at or above the rated load.
- Unplug the amplifier before cleaning it. **NEVER** spray liquid cleaners onto the amplifier. Wipe it with a slightly dampened, lint-free cloth to remove dirt and film.
- **DO NOT** use the amplifier if it has sustained damage to the chassis, controls, or power cord. Refer the unit to an authorized service center for inspection.
- Prolonged exposure to high volume levels may cause permanent hearing loss or damage. Such damage is progressive and irreversible!

### **Declaration Of Conformity**

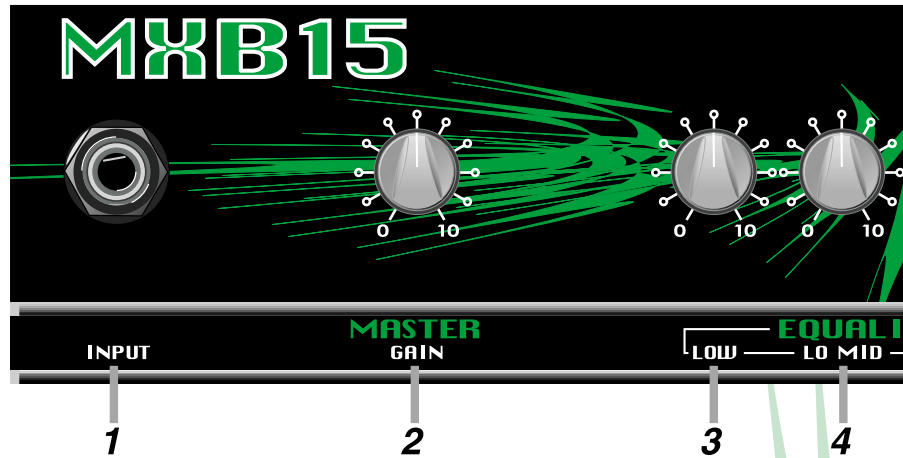
#27, Effective 01-01-2001

<b>Manufacturer's Name:</b>	SLM Electronics
<b>Production Facility:</b>	11880 Borman Drive, St. Louis, MO 63146, USA
<b>Production Facility:</b>	700 Hwy 202 W, Yellville, AR 72687, USA
<b>Shipping Facility:</b>	1400 Ferguson Ave., St. Louis, MO 63133, USA
<b>Office Facility:</b>	1400 Ferguson Ave., St. Louis, MO 63133, USA
<b>Product Type:</b>	Audio Amplifier
<b>Complies with Standards:</b>	
<b>LVD:</b>	92/31/EEC, 93/68/EEC, & 73/23/EWG
<b>Safety:</b>	EN60065
<b>EMC:</b>	EN55013, EN55020, EN55022, EN61000-3-2, & EN61000-3-3

Supplementary information provided by:  
SLM Electronics - R & D Engineering  
1901 Congressional Drive, St Louis, MO 63146, USA  
Tel.: 314-569-0141, Fax: 314-569-0175

# MXB15 Bass Amplifier

## The Front Panel:



**1: INPUT:** Use this 1/4" jack to connect your guitar to the amplifier by means of a shielded instrument cable.

**2: MASTER GAIN:** Use this control to adjust the overall output of the amplifier.

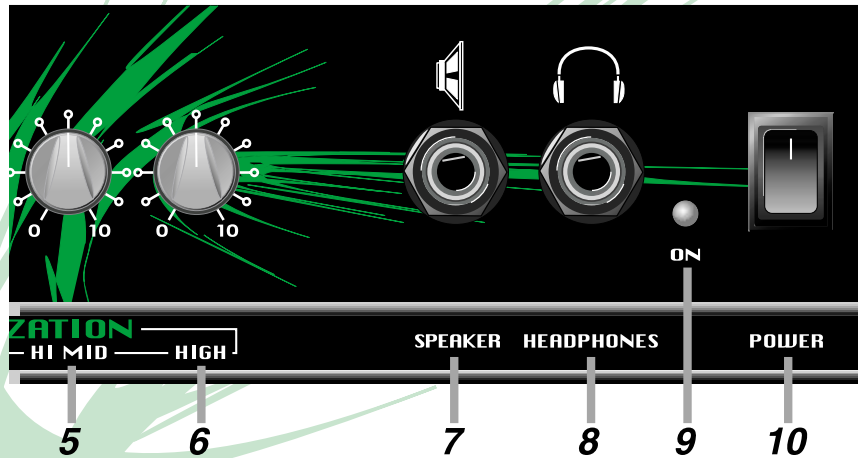
**3: LOW:** Use this control to adjust the bass response of the amplifier. Rotating the control counterclockwise reduces the low frequency output. Rotating the control clockwise increases the low frequency output. The Low control provides a range of 15dB of boost or cut at 60Hz. It may be necessary to reduce the Low frequency output at higher volume levels.

**4: LO MID:** Use this control to adjust the "thickness" or "fatness" of the amplifier. Rotating the control counterclockwise reduces the lower middle frequency output. Rotating the control clockwise increases the lower middle frequency output. The Low Mid control provides a range of 18dB of boost or cut at 630Hz.

**5: HI MID:** Use this control to adjust the clarity and definition of the string attack. Rotating the control counterclockwise reduces the upper middle frequency output. Rotating the control clockwise increases the upper middle frequency output. The High Mid control provides a range of 19dB of boost or cut at 2kHz.

**6: HIGH:** Use this control to adjust the high frequency response of the amplifier. Rotating the control counterclockwise reduces the high frequency output. Rotating the control clockwise increases the high frequency output. The High control provides a range of 27dB of boost or cut at 10kHz.

# MXB15 Bass Amplifier



**7: SPEAKER:** Use this jack to connect the amplifier to an external speaker. The internal speaker is disconnected when this jack is used. The impedance of the external speaker must be 4 ohms or greater.

**WARNING:** Do not attempt to use headphones in the Speaker jack! Permanent hearing damage could result!

**8: HEADPHONES:** Use this jack to connect headphones to the amplifier. The internal speaker is disconnected when headphones are used.

**CAUTION:** To avoid possible damage to your hearing, do not use headphones for extended periods of time at extremely loud levels.

**9: ON LED:** This LED illuminates when the amplifier is turned on.

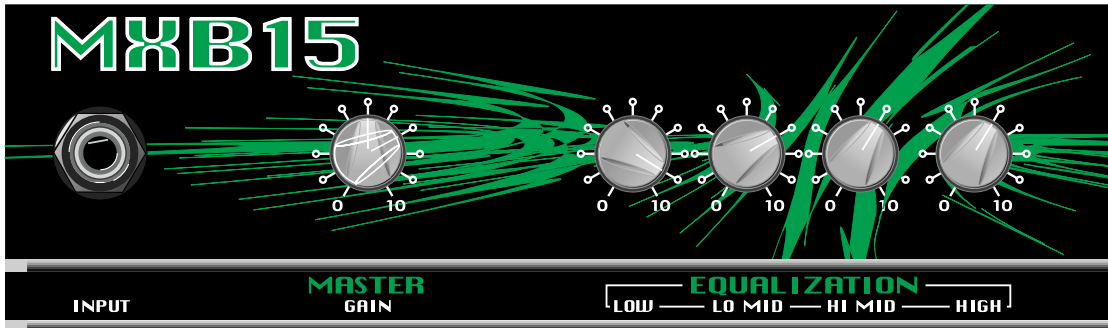
**10: POWER:** Use this switch to turn the amplifier on (top of the switch depressed) and off (bottom of the switch depressed).

**11: POWER CORD (rear panel, not shown):** The grounded power cord should only be plugged into a grounded power outlet that meets all applicable electrical codes and is compatible with the voltage, power, and frequency requirements stated on the rear panel. **Do not attempt to defeat the safety ground connection.**

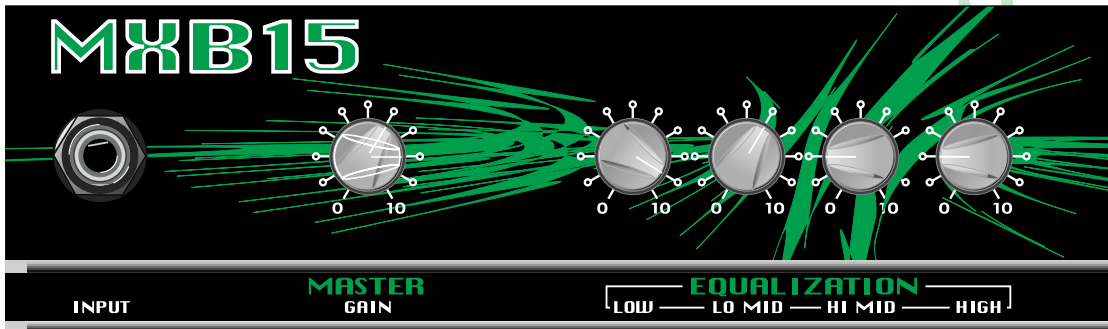
# MXB15 Bass Amplifier

## Suggested Settings:

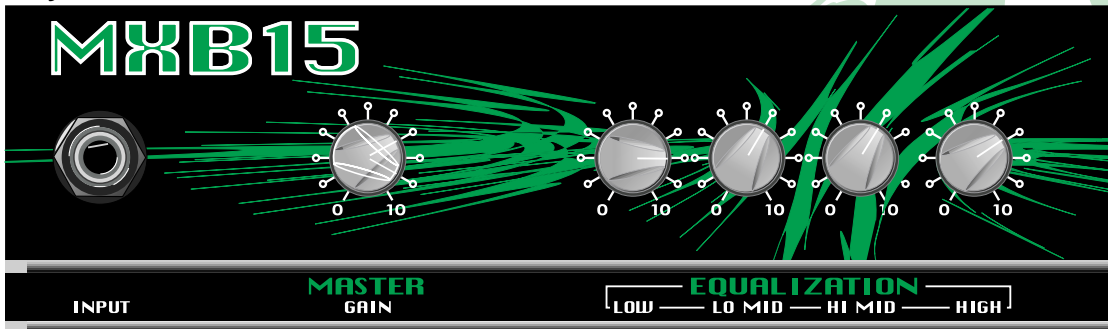
Clean:



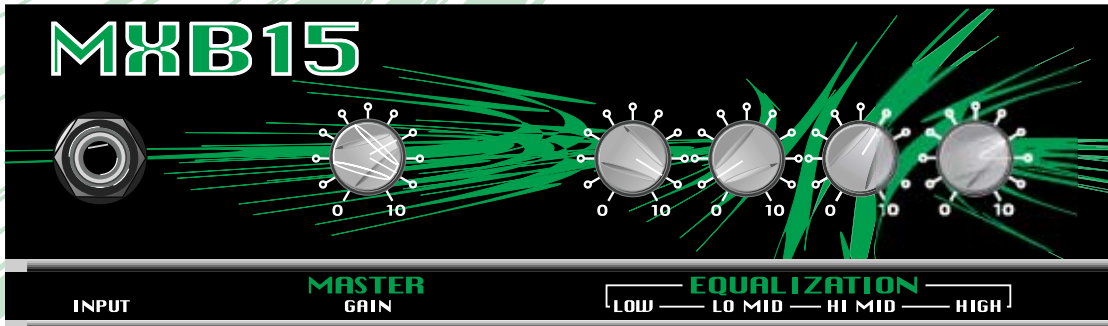
Blues:



Rhythm:

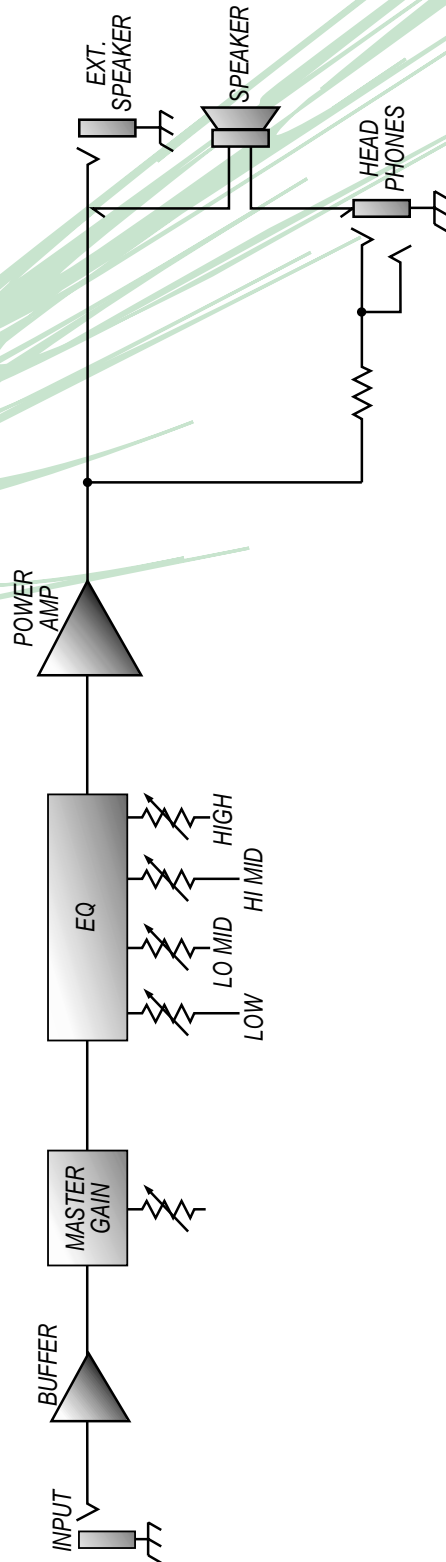


Lead:



# MXB15 Bass Amplifier

## System Block Diagram:





# MXB15 Bass Amplifier

## MXB15 TECHNICAL SPECIFICATIONS:

Output Power Rating	12 watts RMS @ 5% THD 4 ohms, 120 VAC
Maximum Input Signal Accepted	15 volts peak-to-peak
Input Impedance	25k ohms
Signal to Noise Ratio	72dB
Low Control	15dB Range @ 60Hz
Low Mid Control	18dB Range @ 630Hz
High Mid Control	19dB Range @ 2kHz
High Control	27dB Range @ 10kHz
Power Requirements	120 VAC, 60Hz, 30VA 100/115VAC, 50/60Hz, 30VA 230VAC, 50Hz, 30VA
Speaker Size and Rating	Crate Custom Design 8", 15 watts
Size and Weight	13" H x 13.5" W x 8.25" D, 15 lbs.

**The MXB15 is covered with a durable black Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.**

*Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this manual are subject to change without notice.*



# CRATE

[www.crateamps.com](http://www.crateamps.com)

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