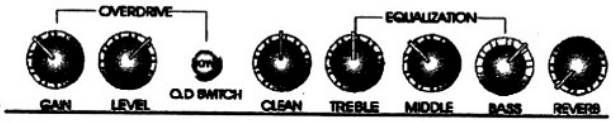
Specifications:

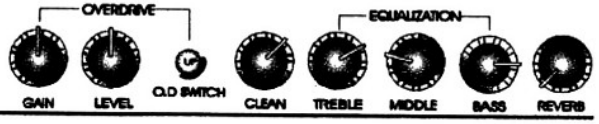
Power Requirements:	*117 Volts AC, 50/60Hz or 220/240 Volts AC, 50/60Hz, as specified on chassis*
Output Power:	*17 Watts RMS*
Speaker:	*10" - 4 Ohm Dean Markley*
Headphone Output Impedance:	*8 Ohms or Greater*
Dimensions:	*13.4"W x 8.9"D x 14.6"H*
Weight:	*15.4 lbs.*

Sample Settings

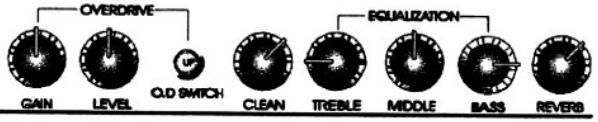
Chords on Edge



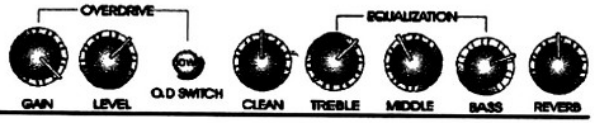
Crisp & Clean



Jazz Lead



Metal Lead



Dean Markley ELECTRONICS

P.O. Box 507 Bloomfield, CT 06002

http://www.kamanmusic.com

KCA-642 Rev. 6/97

Dean Markley

ELECTRONICS

K-30RX Owner's Manual

Congratulations!

The equipment you have just purchased will provide you with years of reliable service and good sound quality.

Please take some time to read this manual carefully as it will help you to take full advantage of all of the features of this equipment.

The Basics...

A bass guitar amplifier is more than just a device to increase the level of sound from an bass guitar! A bass amp is itself an instrument which you must learn to play. Before learning to play any instrument, it's helpful to know a little about how it works as well as the terminology associated with playing it.

The amount that an amp increases the bass guitar's signal level is called **gain**. The more gain you employ, the louder the amp will sound. The useful gain is limited by the point at which distortion becomes audible and undesirable.

Amplifiers can also alter the tone of a guitar. This alteration is called **EQ (equalization)**. Equalization is the process of changing the relative amount of sound energy present in specific frequency bands. Low frequencies are boosted or cut by **bass** controls. High frequencies are boosted or cut by **treble** control. Middle frequencies are affected by midrange or **mid** controls. EQ settings are very important in getting a sound 'just right.'

Getting Started...

The K-20BX bass guitar amp combo provides you with the capability of amplifying and shaping the sound from your bass guitar to produce a variety of contemporary sounds. Check out the front panel of the K-20BX... See fig. A.

On the far left, you'll see a 1/4" phone jack labeled "**INPUT**." Insert your guitar cable into the jack, turn your guitar's volume and tone controls to their "twelve o'clock" position and you're ready for a tour of the K-20BX's front panel.

Basically, we can divide the function of the front panel controls into two categories. First, there is a control which affects the amp's loudness. This is the **Gain** potentiometer. In most styles of playing, distortion from a bass amp is undesirable. You should adjust the gain control to obtain satisfactory level without distortion.

The next set of controls - the **EQ section** - has a profound effect on the sound

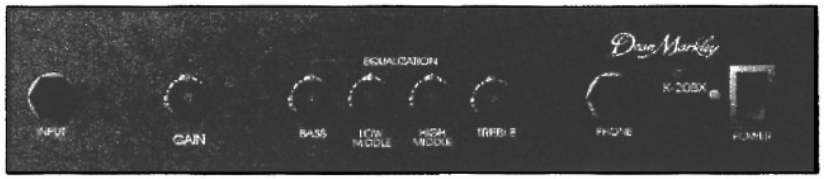


Fig. A

of the electric bass guitar. The K-20BX combo amp features a flexible 4-band equalization circuit. This means that there are four segments of the frequency response spectrum over which you have control!. This EQ configuration combines ease of operation with exceptional sound shaping possibilities.

The **Bass** control affects the low frequency content of the bass guitar's sound - you'll especially notice its effect on the low E and A strings - adding depth and fullness. Please note that a significant increase in the bass EQ requires a lot more power from the output section of the amp. As a result, you can sometimes exceed the maximum "clean" power output of the amp, resulting in distortion. To reduce this distortion, simply adjust the gain control to a lower setting. In the same way the basss control affects the low frequencies, the **Low Middle** and **High Middle** controls allows precise control over the all-important mid band "speaking tones" of the guitar. Finally, the **Treble** control governs the content of the highest harmonics to add "bite" or "edge" to your sound. You'll need plenty of time for experimentation! Go for it!

Next, located to the right of the EQ section, is the **headphone output** jack. It allows you to connect headphones to your amp for silent rehearsing, automatically disconnecting the speaker for privacy.

On the far right you'll see the power on/off switch and its associated LED indicator. Plug the unit's AC cable into a *grounded* 117 VAC power outlet, push the switch to the "on" position and the LED will illuminate alerting you that the amplifier is active. You're ready to start rockin'!

Sample Settings: