



Skx

EQUALIZER

EQUALIZER

You can customize the tone quality of your Hammond **SKX** either by adjusting the frequency curves of the Drawbars and Extra Voices separately or using the **MASTER EQUALIZER** to tailor the sound of the Drawbars and Extra Voices simultaneously.

◆ What Is “Equalization?”

“Equalization” is a term used by sound engineers to describe changes or alterations they make to the character of sound. For example, if a piano is being “miked,” (its sound output being picked up by a microphone) and the tone needs to sound brighter or to have more bass, a sound engineer can increase or decrease the level of individual “frequency bands,” as they are called, to achieve just the desired effect. The “**BASS**” and “**TREBLE**” tone controls on a home stereo amplifier can be said to be a very elementary type of equalization. However, a true equalizer allows you control over more areas of the frequency range than just “highs” and “lows.” The Equalizer functions of your **SKX** have this capability.

◆ EQUALIZER Edit Menu

This Advanced Feature Menu allows you to adjust the tone quality of the Drawbars and Extra Voices individually.

EQUALIZER EDIT Menu Parameters

There are three (3) screens to the EQUALIZER Edit Menu:

1. DRAWBAR EQUALIZER

These Menu Pages allow you to adjust the tone quality of the Drawbars.

2. EXTRA VOICE EQUALIZER

These Menu Pages allow you to adjust the tone quality of the Extra Voice Groups.

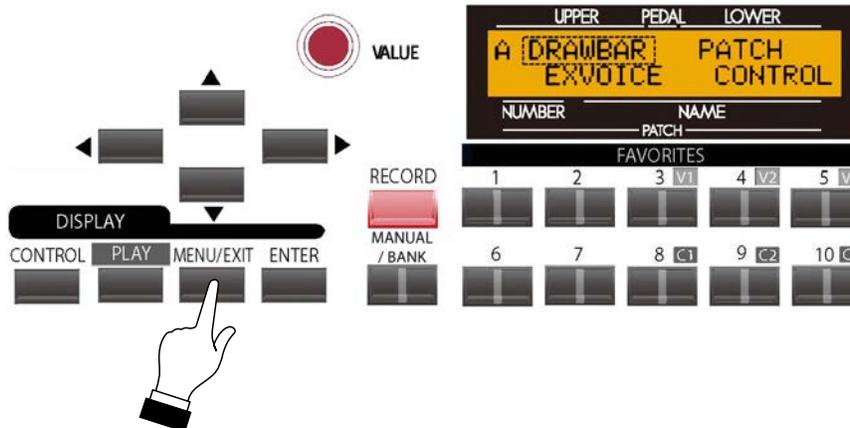
3. MASTER EQUALIZER

These Menu Pages allow you to adjust the tone quality of the entire instrument.

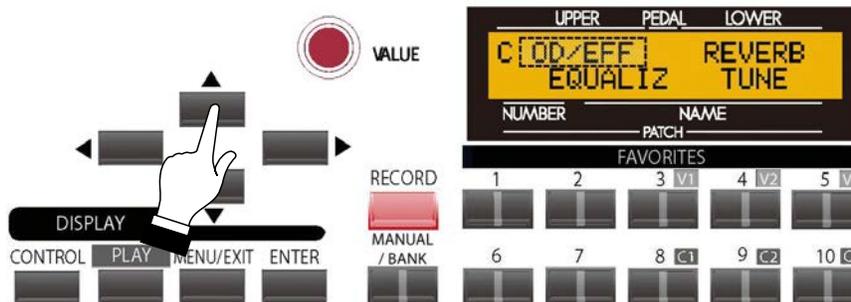
Drawbar Equalizer

To use the EQUALIZER Edit Menu to adjust the Drawbar sounds, do the following:

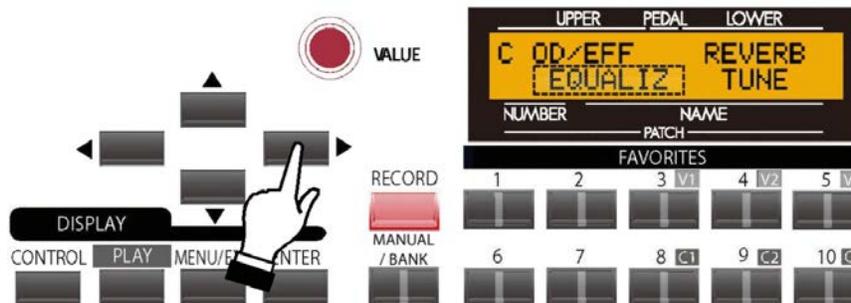
- From the **PLAY** Screen, touch the **MENU/EXIT** Touch Button to see the first screen of the **MENU** Mode. You will see “**A**” displayed in the extreme upper left corner of the Information Center Display.



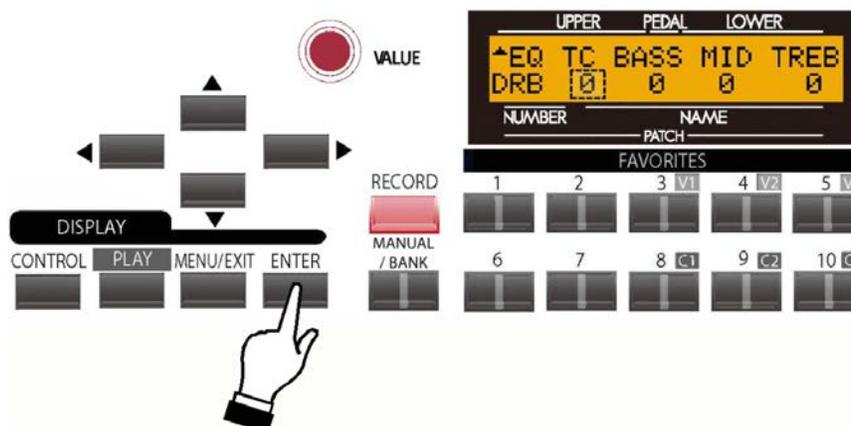
2. Touch the PAGE UP Touch Button **twice**. The legend, “OD/EFF” in the upper left corner of the Information Center Display will be blinking.



3. Touch the PAGE RIGHT Touch Button **once**. The Information Center Display should now look like this:



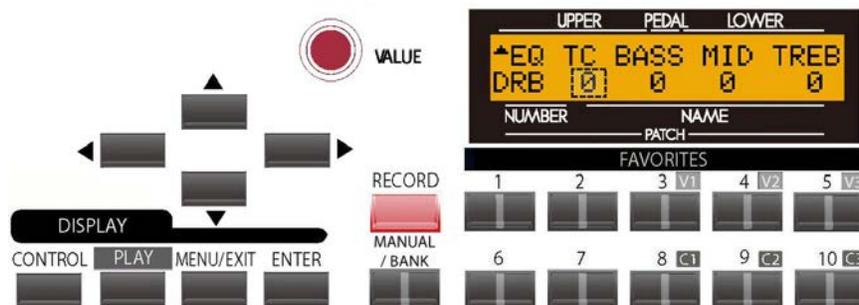
4. Touch the ENTER Touch Button. The Information Center Display should now look like this:



You are now in the first page of the EQUALIZER Edit Menu. You may now make various changes to the tonal quality of the Drawbars. These changes are explained starting on the next page.

EQUALIZER Edit Menu - Page 1

If you followed the instructions on the previous page, you should now see Page 1 of the EQUALIZER Edit Menu. The number underneath the word "TC" should now be blinking.



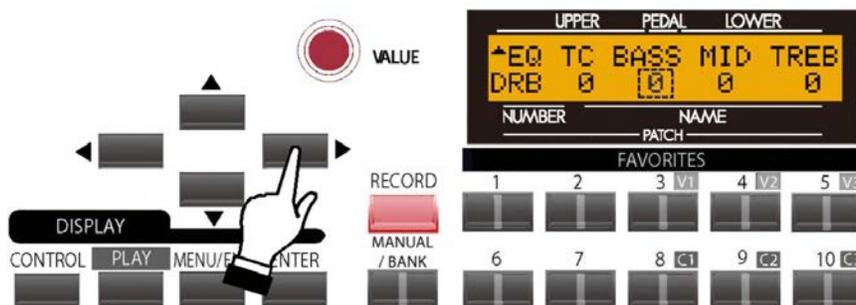
Drawbar Tone Control

This Advanced Feature simulates the tone control on the AO-28 preamp found in vintage B-3's and C-3's. On vintage organs, this control adjusts the treble response above 200Hz. You can select from "-9" (minimum treble) to "+9" (maximum treble). "-1" corresponds to the maximum of the original B-3 tone control, "-5", the middle, "-9", the minimum. The AO-28 tone control would only "cut" or attenuate the treble frequencies, but this Advanced Feature allows you to increase the treble as well.

Turn the VALUE Rotary Control to the **right** to **increase** the treble frequencies.

Turn the VALUE Rotary Control to the **left** to **decrease** the treble frequencies.

*From the previous screen, touch the **PAGE RIGHT** Touch Button once. The number underneath the word “BASS” should now be blinking.*



Drawbar Equalizer

This Advanced Feature allows you to adjust the amount of Bass, Mid-range and Treble frequencies. You can select from “-9” (minimum amount) to “+9.” (Maximum amount). At “0,” the level is “flat.”

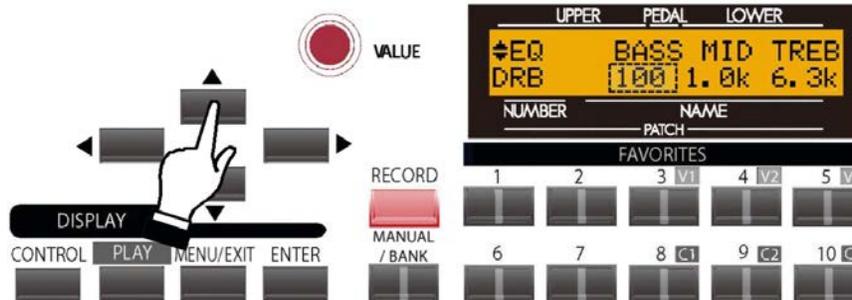
Use the PAGE LEFT and PAGE RIGHT Touch Buttons to move back and forth among “BASS,” “MID” and “TREB.”

Turn the VALUE Rotary Control to the **right** to **increase** the selected frequency range.

Turn the VALUE Rotary Control to the **left** to **decrease** the selected frequency range.

EQUALIZER Edit Menu - Page 2

From the previous screen, touch the PAGE UP Touch Button once. The number underneath the word “BASS” should now be blinking.



Drawbar Equalizer Central Frequency Adjust

This Advanced Feature allows you to adjust the central frequency of the Bass, Mid-range and Treble frequency bands. The data chart below shows the options you may select.

DRAWBAR EQUALIZER Central Frequency Options	
Description	Function
BASS	20Hz ~ 200Hz
MID	250Hz ~ 3.1kHz
TREB	4.0kHz ~ 8.0kHz

Use the PAGE LEFT and PAGE RIGHT Touch Buttons to move back and forth among “BASS, “MID” and “TREB.”

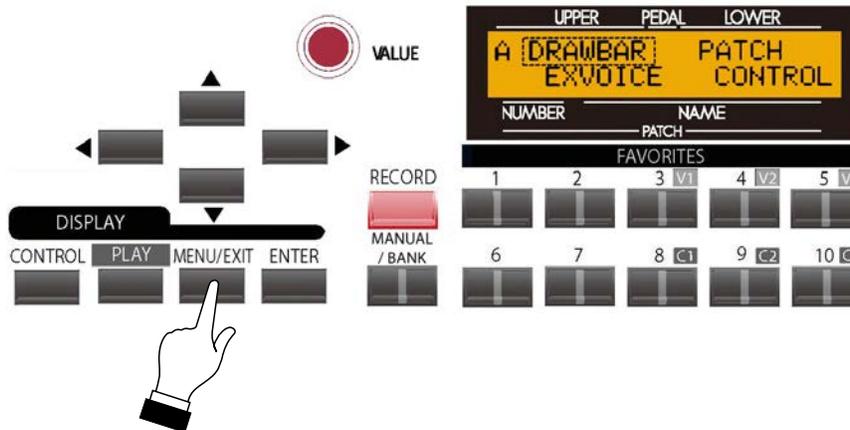
Turn the VALUE Rotary Control to the **right** to **increase** the selected frequency.

Turn the VALUE Rotary Control to the **left** to **decrease** the selected frequency.

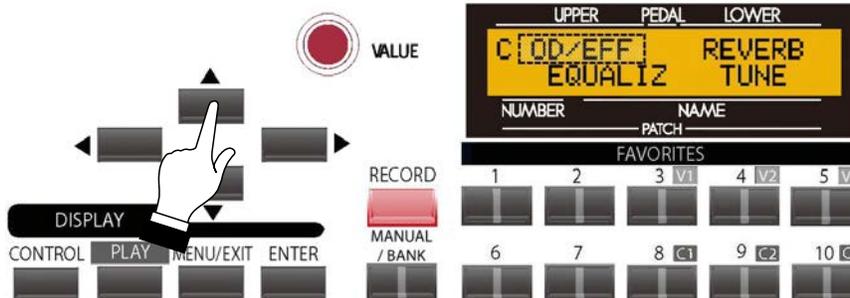
Extra Voice Equalizer

To use the EQUALIZER Edit Menu to adjust the Extra Voices, do the following:

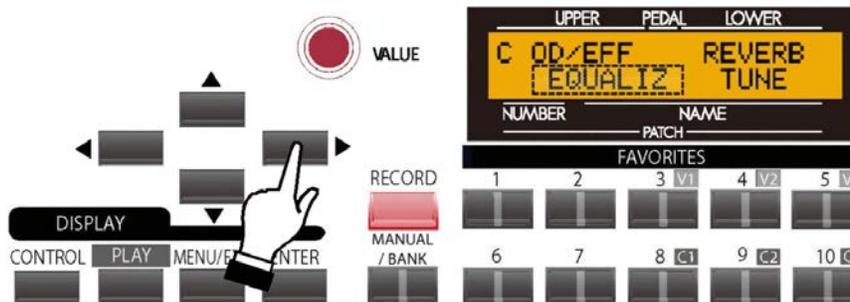
- From the PLAY Screen, touch the MENU/EXIT Touch Button to see the first screen of the MENU Mode. You will see “A” displayed in the extreme upper left corner of the Information Center Display.



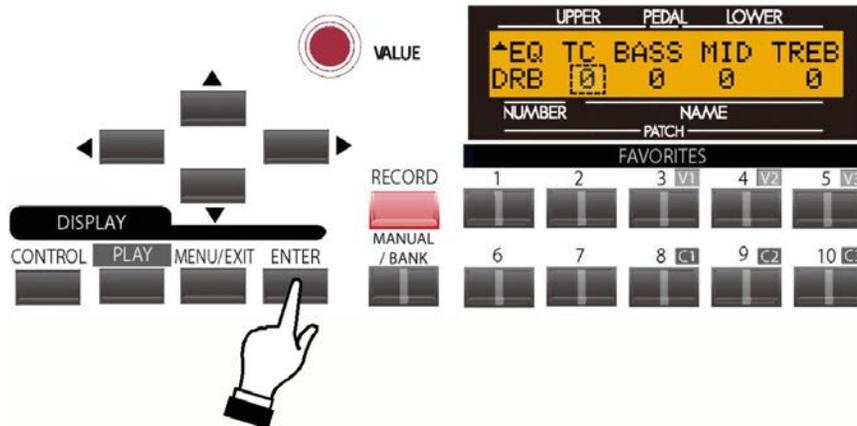
- Touch the PAGE UP Touch Button **twice**. The legend, “OD/EFF” in the upper left corner of the Information Center Display will be blinking.



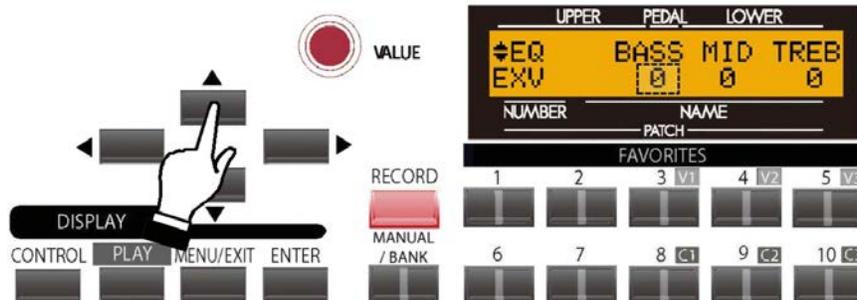
- Touch the PAGE RIGHT Touch Button **once**. The Information Center Display should now look like this:



4. Touch the ENTER Touch Button. The Information Center Display should now look like this:



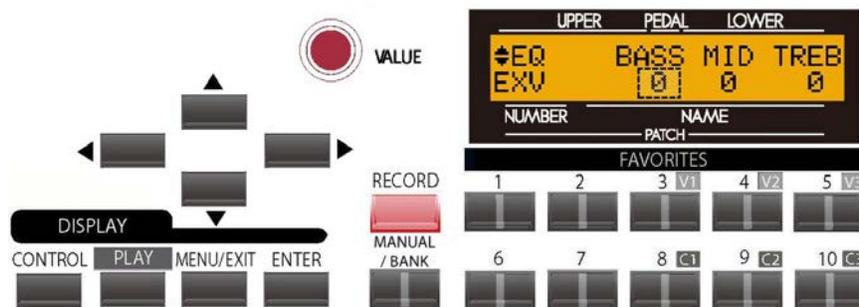
5. Touch the PAGE UP Touch Button **twice**. The Information Center Display should now look like this:



You are now in Page 3 of the EQUALIZER Edit Menu. You may now make various changes to the tonal quality of the Extra Voices. These changes are explained starting on the next page.

EQUALIZER Edit Menu - Page 3

If you followed the instructions on the previous page, you should now see Page 3 of the EQUALIZER Edit Menu. The number underneath the word “BASS” should now be blinking.



Extra Voice Equalizer

This Advanced Feature allows you to adjust the amount of Bass, Mid-range and Treble frequencies. You can select from “-9” (minimum amount) to “+9.” (Maximum amount). At “0,” the level is “flat.”

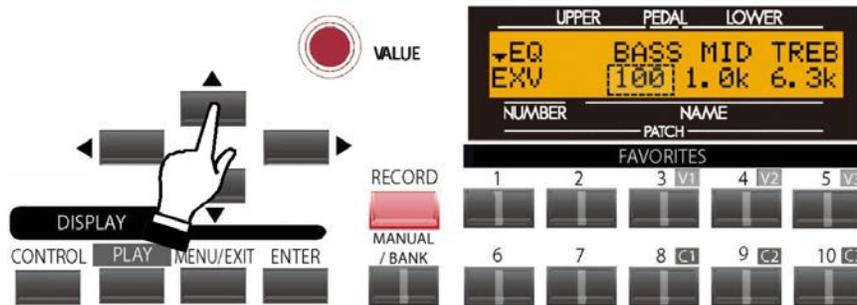
Use the PAGE LEFT and PAGE RIGHT Touch Buttons to move back and forth among “BASS, “MID” and “TREB.”

Turn the VALUE Rotary Control to the **right** to **increase** the selected frequency range.

Turn the VALUE Rotary Control to the **left** to **decrease** the selected frequency range.

EQUALIZER Edit Menu - Page 4

From the previous screen, touch the **PAGE UP Touch Button** once. The number underneath the word “BASS” should now be blinking.



Extra Voice Equalizer Central Frequency Adjust

This Advanced Feature allows you to adjust the central frequency of the Bass, Mid-range and Treble frequency bands. The data chart below shows the options you may select.

EXTRA VOICE EQUALIZER Central Frequency Options	
Description	Function
BASS	20Hz ~ 200Hz
MID	250Hz ~ 3.1kHz
TREB	4.0kHz ~ 8.0kHz

Use the PAGE LEFT and PAGE RIGHT Touch Buttons to move back and forth among “BASS, “MID” and “TREB.”

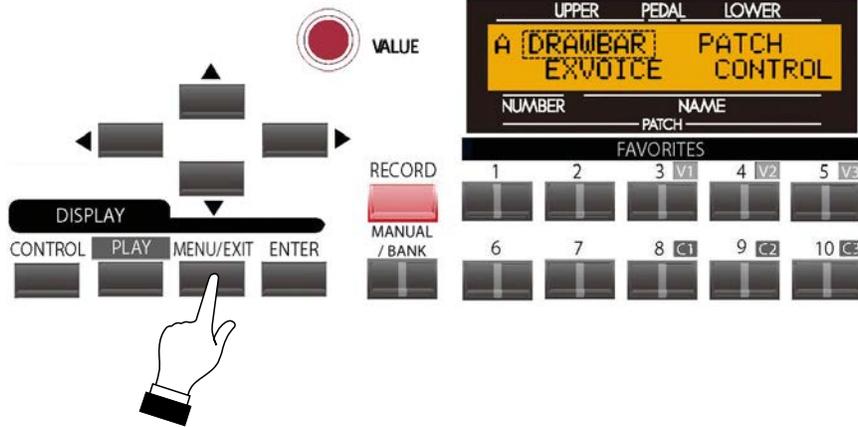
Turn the VALUE Rotary Control to the **right** to **increase** the selected frequency.

Turn the VALUE Rotary Control to the **left** to **decrease** the selected frequency.

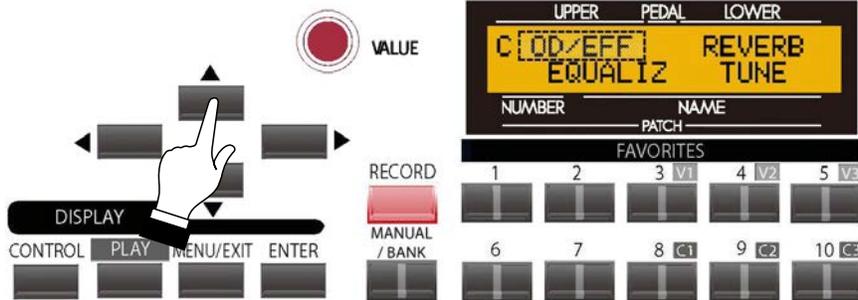
Master Equalizer

To use the EQUALIZER Edit Menu to adjust the overall frequency response of the entire instrument, do the following:

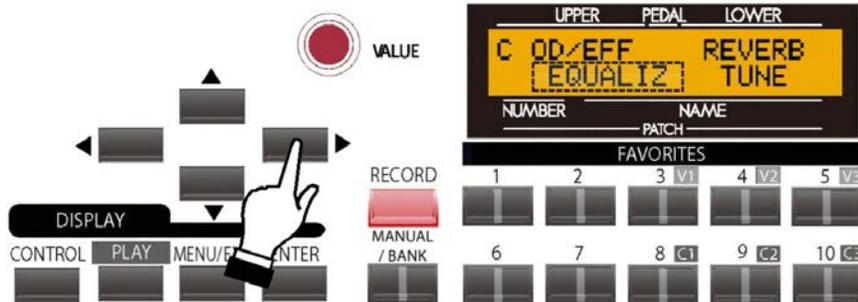
1. From the PLAY Screen, touch the MENU/EXIT Touch Button to see the first screen of the MENU Mode. You will see “A” displayed in the extreme upper left corner of the Information Center Display.



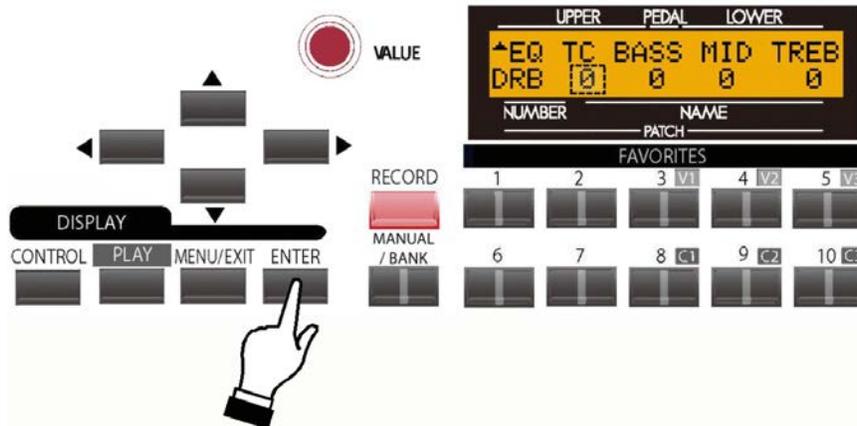
2. Touch the PAGE UP Touch Button **twice**. The legend, “OD/EFF” in the upper left corner of the Information Center Display will be blinking.



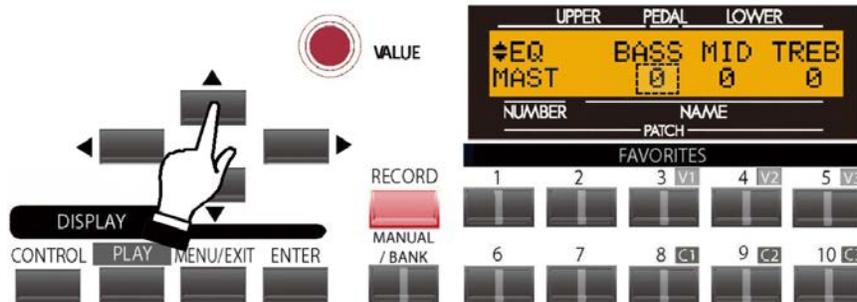
3. Touch the PAGE RIGHT Touch Button **once**. The Information Center Display should now look like this:



4. Touch the ENTER Touch Button. The Information Center Display should now look like this:



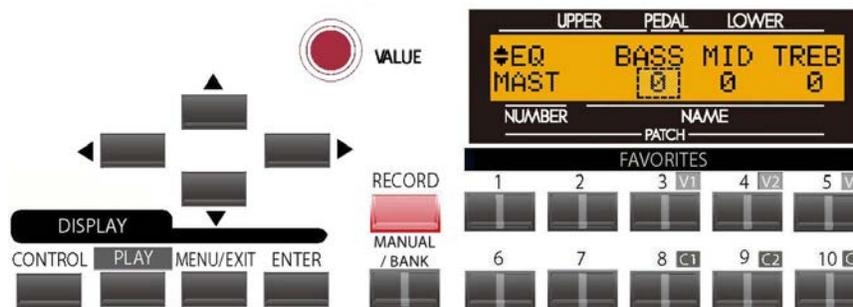
5. Touch the PAGE UP Touch Button **four** times. The Information Center Display should now look like this:



You are now in Page 5 of the EQUALIZER Edit Menu. You may now make various changes to the tonal quality of the Extra Voices. These changes are explained starting on the next page.

EQUALIZER Edit Menu - Page 5

If you followed the instructions on the previous page, you should now see Page 3 of the EQUALIZER Edit Menu. The number underneath the word “BASS” should now be blinking.



Master Equalizer

This Advanced Feature allows you to adjust the amount of Bass, Mid-range and Treble frequencies. You can select from “-9” (minimum amount) to “+9.” (Maximum amount). At “0,” the level is “flat.”

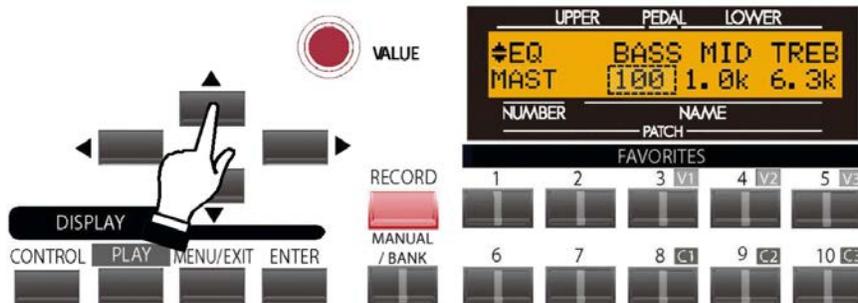
Use the PAGE LEFT and PAGE RIGHT Touch Buttons to move back and forth among “BASS, “MID” and “TREB.”

Turn the VALUE Rotary Control to the **right** to **increase** the selected frequency range.

Turn the VALUE Rotary Control to the **left** to **decrease** the selected frequency range.

EQUALIZER Edit Menu - Page 6

From the previous screen, touch the PAGE UP Touch Button once. The number underneath the word “BASS” should now be blinking.



Master Equalizer Central Frequency Adjust

This Advanced Feature allows you to adjust the central frequency of the Bass, Mid-range and Treble frequency bands. The data chart below shows the options you may select.

EXTRA VOICE EQUALIZER Central Frequency Options	
Description	Function
BASS	20Hz ~ 200Hz
MID	250Hz ~ 3.1kHz
TREB	4.0kHz ~ 8.0kHz

Use the PAGE LEFT and PAGE RIGHT Touch Buttons to move back and forth among “BASS, “MID” and “TREB.”

Turn the VALUE Rotary Control to the **right** to **increase** the selected frequency.

Turn the VALUE Rotary Control to the **left** to **decrease** the selected frequency.

***** THIS PAGE INTENTIONALLY LEFT BLANK TO PRESERVE PAGE FORMATTING *****