



Skx

**EXTRA VOICE
SECTION**

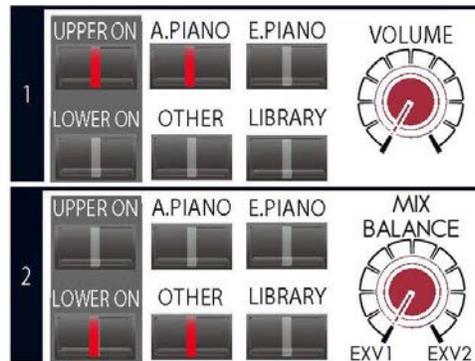
EXTRA VOICE Section

◆ What is an “EXTRA VOICE?”

The Sk-series, in addition to being able to duplicate the sound of a vintage Hammond Organ as well as other organ sounds, has voice sections which offer digital reproductions of instrumental sounds such as Grand Piano, Electric Piano, Trumpet, Saxophone, etc. These are the EXTRA VOICE Sections and they are accessible using the EXTRA VOICE Touch Tabs.

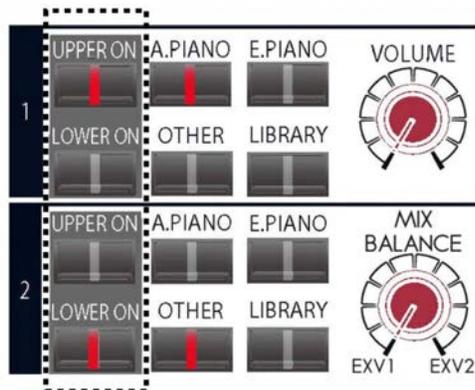
◆ EXTRA VOICE Touch Tabs

The EXTRA VOICE Touch Tab groups are located to the right side of the Information Center Display.



Notice that there are two Extra Voice Groups - **1 (EXV1)** and **2 (EXV2)**. These two sections are identical. This is so you can register two different Extra Voices to play either on the same or different manuals. Later parts of this section will explain this in more detail.

EXTRA VOICE ON/OFF Touch Tabs



These allow you to control which manual will play the Voice you select.

UPPER ON

This Touch Tab allows the selected Voice to be played from the Upper Manual.

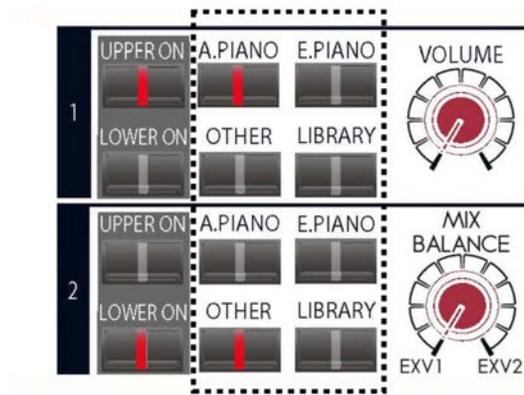


LOWER ON

This Touch Tab allows the selected Voice to be played from the Lower Manual.



EXTRA VOICE VOICE Touch Tabs



The VOICE Touch Tabs allow you to access various categories of voices. The categories represent voices which have been arranged into groups combining instruments of similar characteristics to make voice selection easier.

A.PIANO

This category contains Acoustic Pianos, Electric Grands, etc.

E.PIANO

This category contains Electric Pianos.

OTHER

This category contains other keyboard instruments such as Harpsichords, Accordions, Clavs, etc., Wind instruments such as Trumpets, Saxes, etc., as well as Glockenspiel, Vibraphone, Backing Strings, etc.

LIBRARY

This category, in addition to having pre-loaded sounds, can contain custom sounds which you can download and install using the USB Port. For complete instructions on how to do this, consult the USING THE USB PORT section of this Guide.

These voices can be used either in combination with the Drawbars or by themselves.

◆ EXTRA VOICE EDIT Menu

This Advanced Feature Menu allows you to modify the characteristics of the Extra Voices according to your preference.

EXTRA VOICE EDIT Menu Parameters

There are three (3) screens to the EXTRA VOICE Edit Men:

1. EXTRA VOICE COMMON

This Menu Page allows you to adjust the parameters which affect the entire EXTRA VOICE Section.

2. EXTRA VOICE 1

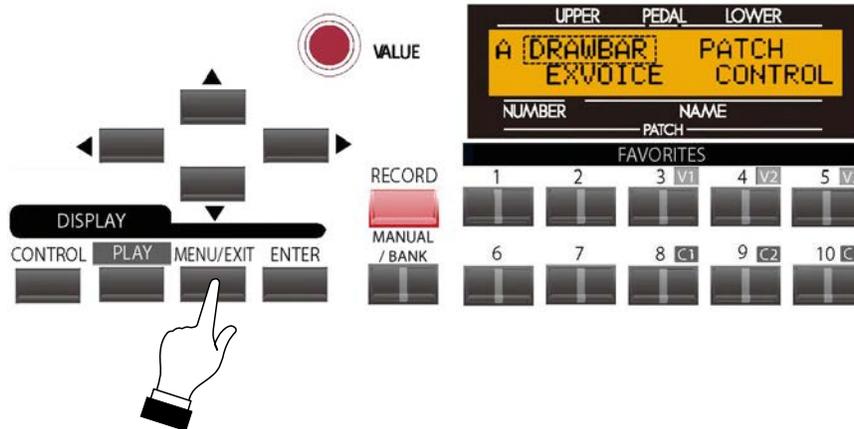
These Menu Pages allow you to adjust the parameters which affect the EXTRA VOICE 1 Group.

3. EXTRA VOICE 2

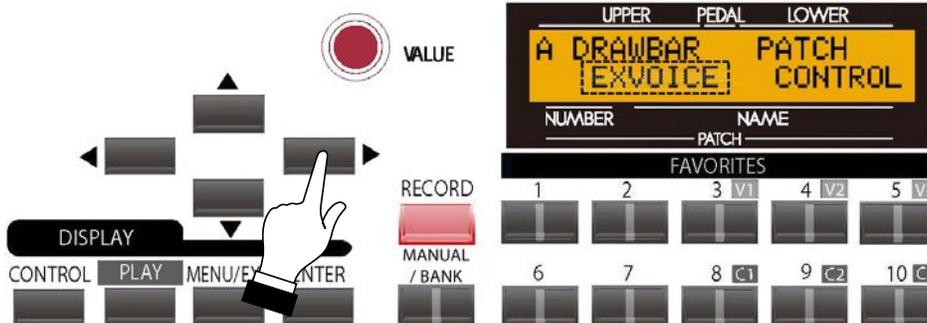
These Menu Pages allow you to adjust the parameters which affect the EXTRA VOICE 2 Group.

Accessing the EXTRA VOICE EDIT Menu using the Touch Buttons:

- 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 RIGHT Touch Button **once**. The legend, “EXVOICE” in the lower left corner of the Information Center Display will be blinking.



- Touch the ENTER Touch Button.

Accessing the EXTRA VOICE EDIT Menu using the Shortcut:

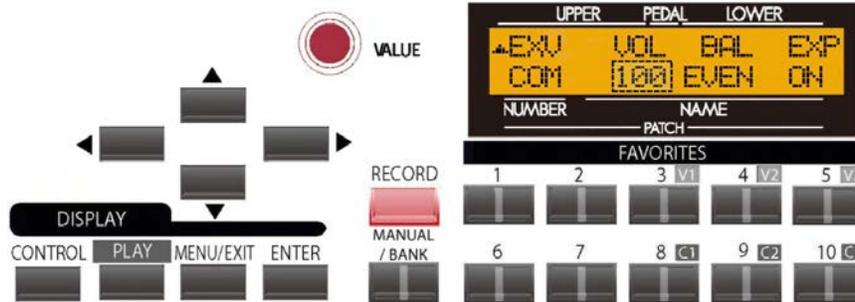
Touch any of the EXTRA VOICE CATEGORY Touch Tabs. The Information Center Display should now display the selected Extra Voice for the Category you selected. For example, if you touch the A.PIANO Touch Tab in the EXTRA VOICE 1 Group, the selected Extra Voice in the A.PIANO category will display.

NOTE: The particular voice shown may vary depending on the contents of the selected Patch. For more information, please consult the **PATCHES & FAVORITES** section of this Guide.

IMPORTANT NOTE: If you used a Shortcut to access the EXTRA VOICE EDIT Menu, the first screen you will see is the one unique to that particular EXTRA VOICE Group. For example, if you touch the A.PIANO button in the EXTRA VOICE 1 Group, the display will show the selected voice for the EXTRA VOICE 1 Group. Therefore, you should touch the PAGE DOWN Touch Button to see the EXTRA VOICE MASTER Menu Screen, since the Menu pages will be covered in order. If you touch a Category button in the EXTRA VOICE 1 Group, touch the PAGE DOWN button once. If you touch a Category button in the EXTRA VOICE 2 Group, touch the PAGE DOWN button two times.

You are now in the EXTRA VOICE EDIT Menu. You may now use the PAGE NAVIGATION Touch Buttons along with the VALUE Rotary Control to make changes to the Voices. These changes are explained starting on the next page.

EXTRA VOICE COMMON Parameters



The number underneath the word “VOL” should be blinking.

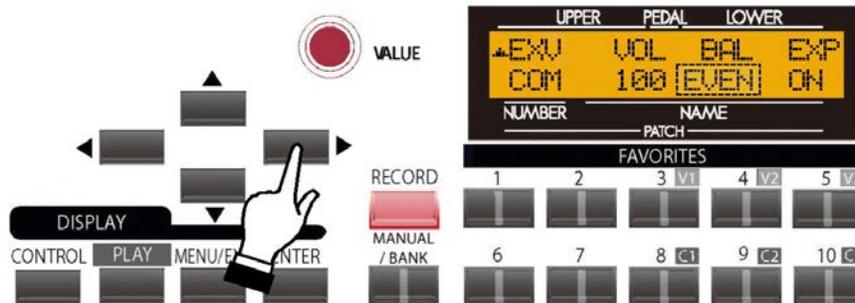
Extra Voice Volume

This Advanced Feature allows you to adjust the Volume of the entire Extra Voice section. You can select from “0” (minimum) to “127” (maximum).

Turn either the VALUE or EXTRA VOICE VOLUME Rotary Control to the **right** to **increase** the Volume.

Turn either the VALUE or EXTRA VOICE VOLUME Rotary Control to the **left** to **decrease** the Volume.

From the previous screen, touch the PAGE RIGHT Touch Button once. The legend underneath the letters “BAL” should now blink.



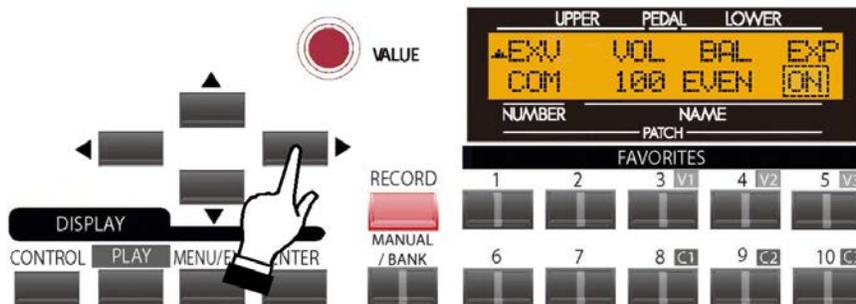
Extra Voice Balance

This Advanced Feature allows you to balance the two Extra Voice Groups (EXV1 and EXV2) against each other when you are using them both together.

Turn either the VALUE or EXTRA VOICE MIX/BALANCE Rotary Control to the **right** to **increase** the Volume of EXTRA VOICE 2 and **decrease** the Volume of EXTRA VOICE 1.

Turn either the VALUE or EXTRA VOICE MIX/BALANCE Rotary Control to the **left** to **decrease** the Volume of EXTRA VOICE 2 and **increase** the Volume of EXTRA VOICE 1.

From the previous screen, touch the PAGE RIGHT Touch Button once. The Information Center Display should now look like this:



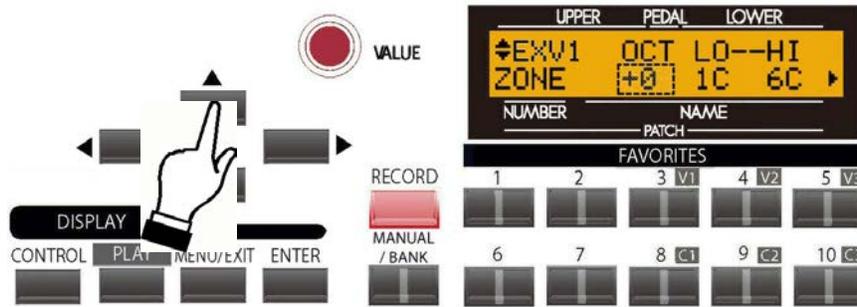
The word underneath the word “EXP” should be blinking.

Extra Voice Expression

This Advanced Feature allows you to determine whether you want to control the volume of the selected Extra Voices with a connected Expression Pedal. You can select “OF” or “off” (the Extra Voices will not receive expression from an Expression Pedal) or “ON” (the volume of the Extra Voices will be raised or lowered by movement of a connected Expression Pedal).

Turn the VALUE Rotary Control to make your selection.

From the previous screen, touch the **PAGE UP Touch Button** once. The Information Center Display should now look like this:



The word underneath the word “OCT” should be blinking.

EXTRA VOICE 1 & 2 Parameters

You can now make changes to the **EXV1** and **EXV2** Groups separately. The following pages explain how to do this.

Extra Voice Octave

This Advanced Feature allows you to select the Octave range in which the selected Extra Voice will play.

Use the PAGE UP and PAGE DOWN buttons to select **EXV1** or **EXV2**.

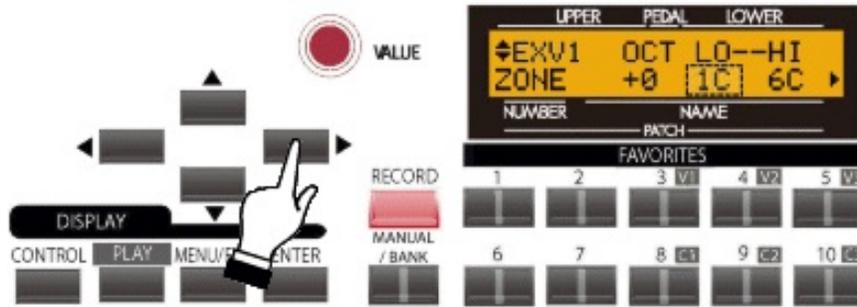
The data chart below shows the options you may select.

Octave Options	
Description	Function
-2	The sound is two octaves below the regular pitch.
-1	The sound is one octave below the regular pitch.
0	The sound is at normal pitch.
+1	The sound is one octave above the regular pitch.
+2	The sound is two octaves above the regular pitch.

Turn the VALUE Rotary Control to the **right** to **raise** the Octave.

Turn the VALUE Rotary Control to the **left** to **lower** the Octave.

*From the previous screen, touch the **PAGE RIGHT** Touch Button once. The Information Center Display should now look similar to this:*



The number underneath the letters “LO” should now blink.

Extra Voice Zone - Lower Limit

This Advanced Feature allows you to set the **lowest** note the selected Extra Voice will play.

Use the PAGE UP and PAGE DOWN buttons to select **EXV1** or **EXV2**.

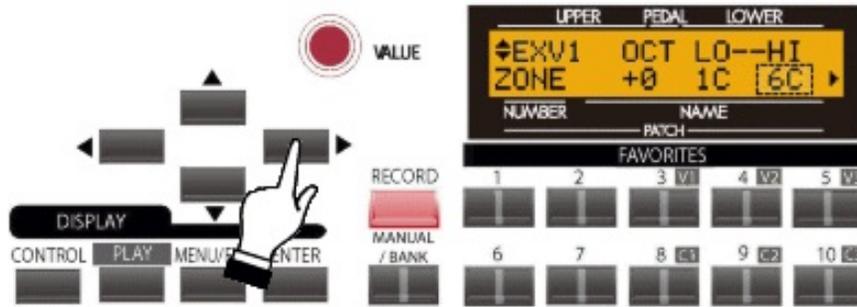
The data chart below shows the options you may select.

EXTRA VOICE ZONE - Lower Limit Options
1C ~ 6C

Turn the VALUE Rotary Control to the **right** to move the Lower Limit farther to the **right**.

Turn the VALUE Rotary Control to the **left** to move the Lower Limit farther to the **left**.

*From the previous screen, touch the **PAGE RIGHT** Touch Button once. The Information Center Display should now look similar to this:*



The number underneath the letters “HI” should now blink.

Extra Voice Zone - Upper Limit

This Advanced Feature allows you to set the **highest** note the selected Extra Voice will play.

Use the PAGE UP and PAGE DOWN buttons to select **EXV1** or **EXV2**.

The data chart below shows the options you may select.

EXTRA VOICE ZONE - Upper Limit Options
1C ~ 6C

Turn the VALUE Rotary Control to the **right** to move the Upper Limit farther to the **right**.

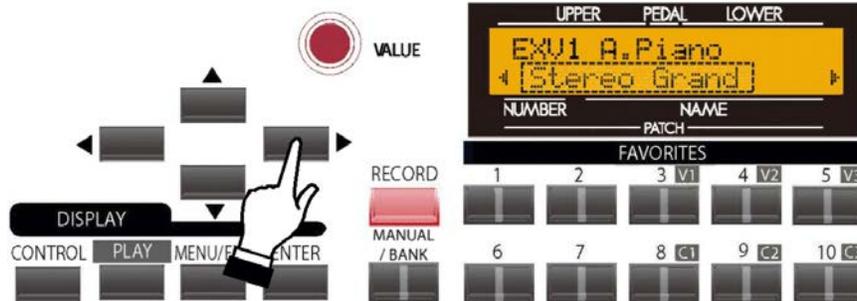
Turn the VALUE Rotary Control to the **left** to move the Upper Limit farther to the **left**.

NOTE: The Upper Limit number **can not** be lower than the Lower Limit number.

*From the previous screen, touch the **PAGE RIGHT Touch Button** once.*

The next screen will show the Extra Voice Category on the **upper** line and the specific voice selected on the **lower** line. The number of sub-categories within each Category will determine whether the top or the bottom line will blink.

If an Extra Voice category has only one sub-category, the **lower** line will blink, as shown below:



Extra Voice Category - Voice Selection

This Advanced Feature allows you to select the Extra Voices which will play for each Voice Category.

In this mode, touching any of the VOICE SELECT Touch Tabs will show the different Voice selections in each category in the Information Center Display.

Use the PAGE UP and PAGE DOWN buttons to select **EXV1** or **EXV2**.

Touch the appropriate Touch Tab for each Voice Category.

Turn the VALUE Rotary Control to the **right** to advance **forward** through the choices.

Turn the VALUE Rotary Control to the **left** to advance **backward** through the choices.

NOTE: If you have loaded additional Extra Voice Libraries, the above also applies. You can use the VALUE Rotary Knob to select the appropriate Voice Category. However, if you have not loaded any additional Voice Libraries, the **bottom** line of the Information Center Display will blink. This is because the **SKX** firmware only contains one category for the LIBRARY.

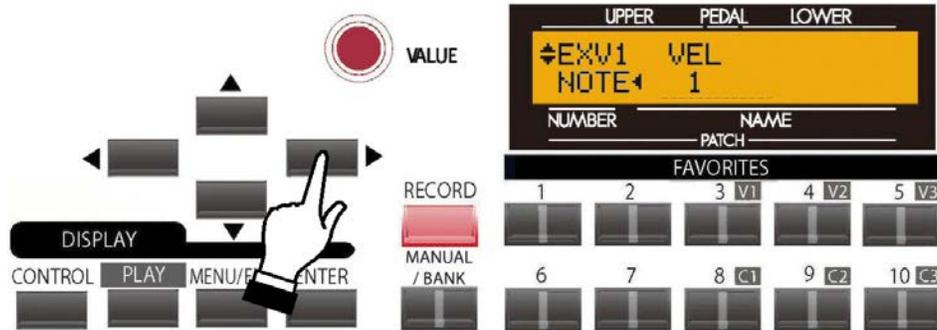
NOTE: More information about Voice Libraries will be found in the USING THE USB PORT section of this Guide

NOTE: If the **top** line of the Information Center Display is blinking, touch the PAGE RIGHT Touch Button **once** to cause the bottom line to blink. You will then be able to select the Extra Voice for the Category displayed on the top line.

NOTE: The number of Voices listed will vary from category to category. For a complete listing of built-in Extra Voices, consult the EXTRA VOICE Instrument List in the APPENDIX.

NOTE: For more information regarding selecting Extra Voices, consult page 10.

*From the previous screen, touch the **PAGE RIGHT Touch Button** once. The Information Center Display should now look like this:*



The number underneath the word “VEL” should be blinking.

Extra Voice Velocity

This Advanced Feature allows you to determine how the Extra Voice will respond to key velocity. You can select “OF” or “off” (standard organ touch - the notes sound at the same volume regardless of a light or heavy key pressure) and “1 ~ 4”. “1” is the most exaggerated velocity curve while “4” is a gentler curve. “2” and “3” are curves in between.

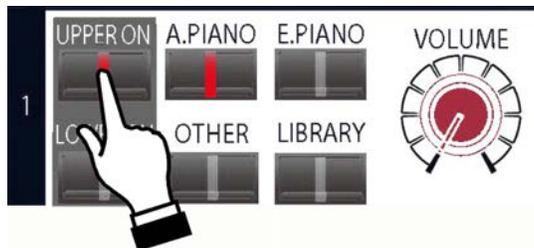
Use the PAGE UP and PAGE DOWN buttons to select **EXV1** or **EXV2**.

Turn the VALUE Rotary Control to make your selection.

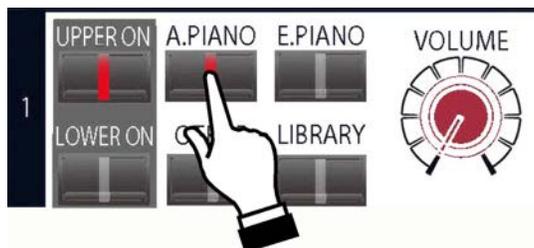
Making Voice Selections For Each Category

TRY THIS:

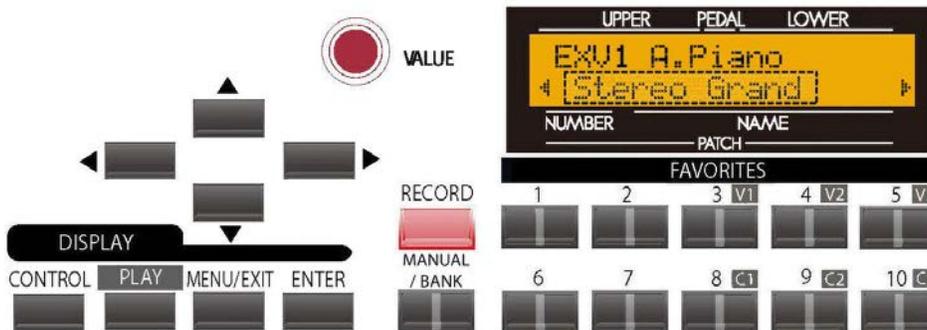
1. Touch the UPPER ON Touch Tab in the EXV1 Section. The red LED will light.



2. If the A.PIANO (Acoustic Piano LED is not lit, touch the A.PIANO Touch Tab.



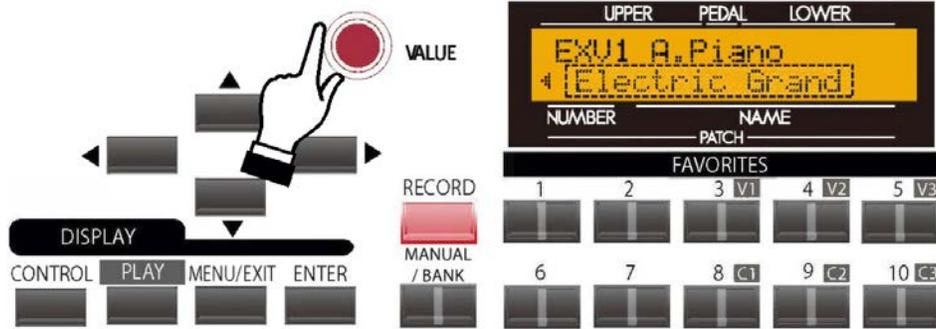
The Information Center Display should now look similar to this:



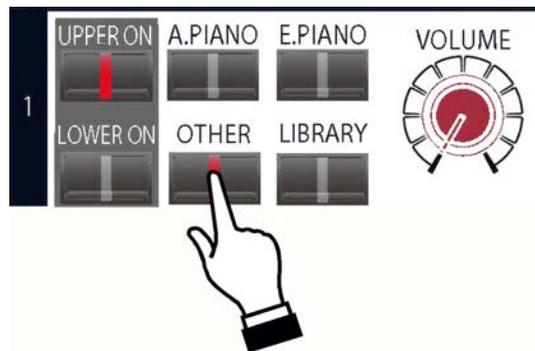
The lower line of the display should now be blinking.

3. Play some notes. You will now hear the sound of an acoustic grand piano.

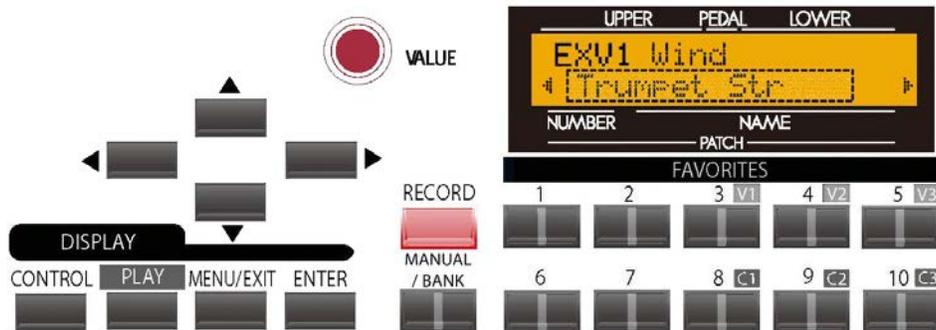
4. Now turn the VALUE Rotary Control until the Information Center Display shows the following:



5. Play some notes. You will now hear the sound of an electric grand piano.
6. Now touch the OTHER Touch Tab in the EXTRA VOICE 1 Group.



The Information Center Display should now look similar to this:



The lower line of the display should now be blinking.

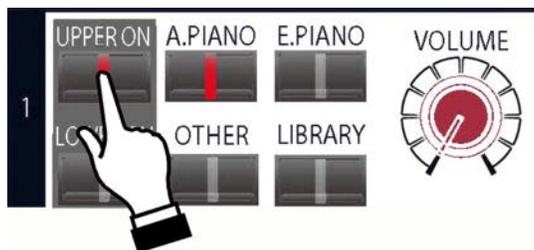
If "Trumpet Str." is not displaying:

7. Touch the OTHER Touch Button repeatedly until "Wind" displays on the top line.
8. Turn the VALUE Rotary Knob if necessary to display "Trumpet Str."
9. Play some notes. You will now hear the sound of a trumpet.

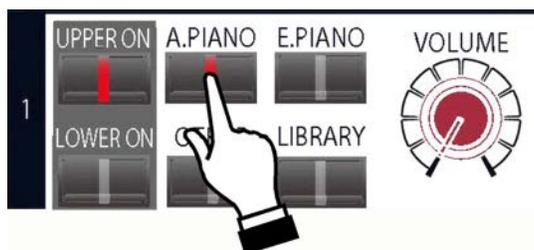
Allocating Extra Voices - UPPER Manual

TRY THIS:

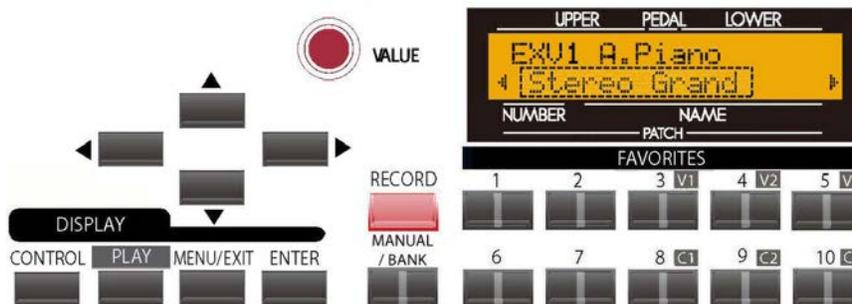
1. If the UPPER ON LED in the EXTRA VOICE 1 Group is not lit, touch the UPPER Touch Tab. The red LED will light.



2. If the A.PIANO (Acoustic Piano LED is not lit, touch the A.PIANO Touch Tab.



The Information Center Display should now look similar to this:



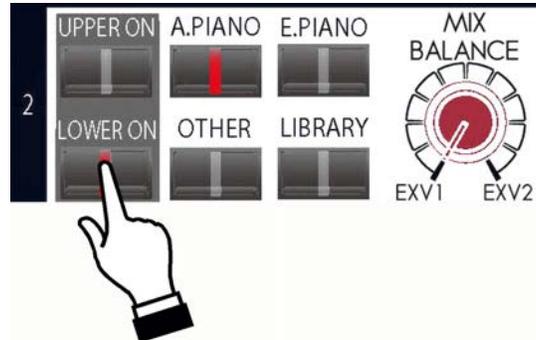
The lower line of the display should now be blinking.

3. Play some notes on the Upper Manual. You will now hear the sound of an acoustic grand piano.

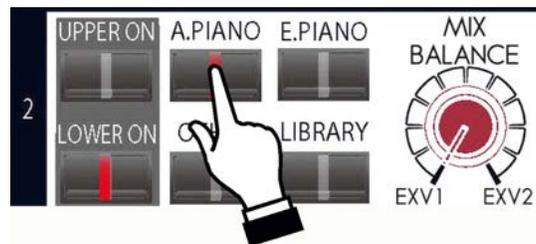
Allocating Extra Voices - LOWER Manual

TRY THIS:

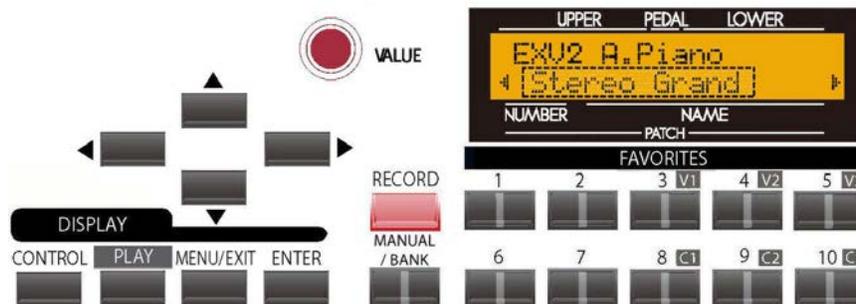
1. Touch the LOWER ON Touch Tab in the EXV2 Section. The red LED will light.



2. If the A.PIANO (Acoustic Piano LED is not lit, touch the A.PIANO Touch Tab.



The Information Center Display should now look similar to this:



The lower line of the display should now be blinking.

3. Play some notes on the Lower Manual. You will now hear the sound of an acoustic grand piano on the Lower Manual.

Using Drawbars and Extra Voices Together

You can use the three tone-producing divisions of your **SKX** in conjunction with each other:

1. Using Drawbars on one manual and Extra Voices on the other, or
2. Using Drawbars and Extra Voices together on one manual and Drawbars on the other.
3. Using both Drawbars and Extra Voices on both manuals

The following examples will show you how to do this.

NOTE: An Extra Voice Group may not be used on both manuals simultaneously. However, one manual can be registered from one Extra Voice Group, and the other manual from the other Extra Voice Group.

Using Drawbars and Extra Voices together on the same manual

TRY THIS:

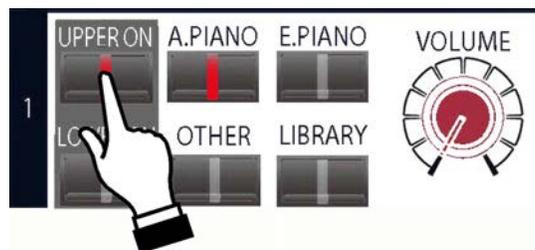
1. Make sure the UPPER ON Touch Tab in the ORGAN section is “ON” (red LED lit).



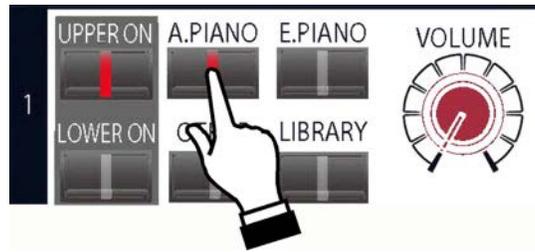
2. Create a Drawbar registration - for example, 88 8800 008. You can confirm the registration by consulting the Information Center Display.

NOTE: To see the Drawbar registration displayed numerically, touch the PLAY Touch Button repeatedly until the numbers show on the top line of the display.

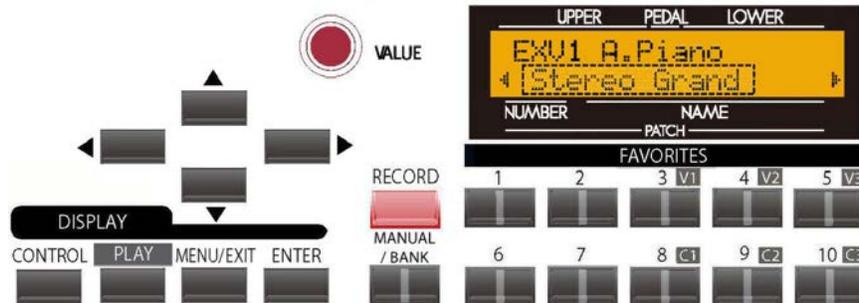
3. Play some notes on the Upper Manual. You will hear the notes play with the Drawbar registration you just set up.
4. Now touch the UPPER Touch Tab in the EXV1 section. The red LED will light.



5. If the A.PIANO (Acoustic Piano LED is not lit, touch the A.PIANO Touch Tab.



The Information Center Display should now look similar to this:



The lower line of the display should now be blinking.

6. Play some notes. You will now hear the Piano sound along with the Drawbar registration.

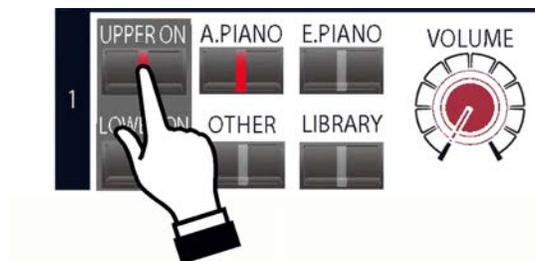
Using two Extra Voices simultaneously

TRY THIS:

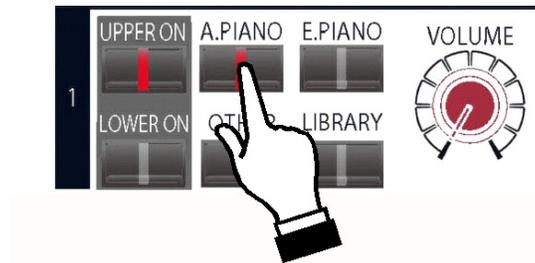
1. Make sure the UPPER ON and LOWER ON Touch Tabs in the ORGAN section are “OFF” (red LED not lit).
2. For this example, make sure the EXTRA VOICE VOLUME and MIX/BALANCE Rotary Controls are in the Center position.



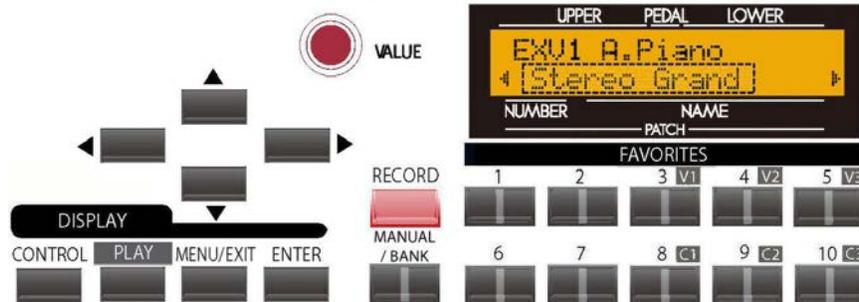
3. Now touch the UPPER Touch Tab in the EXV1 section. The red LED will light.



4. If the A.PIANO (Acoustic Piano LED is not lit, touch the A.PIANO Touch Tab.

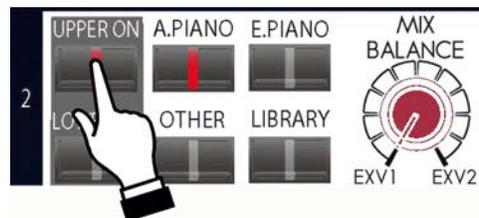


The Information Center Display should now look similar to this:

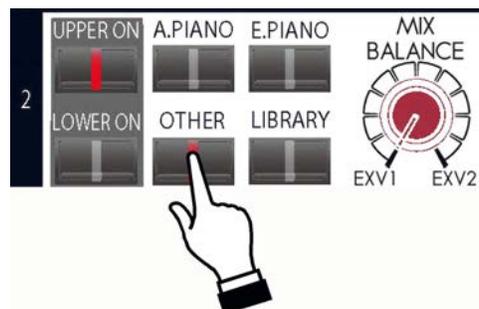


The lower line of the display should now be blinking.

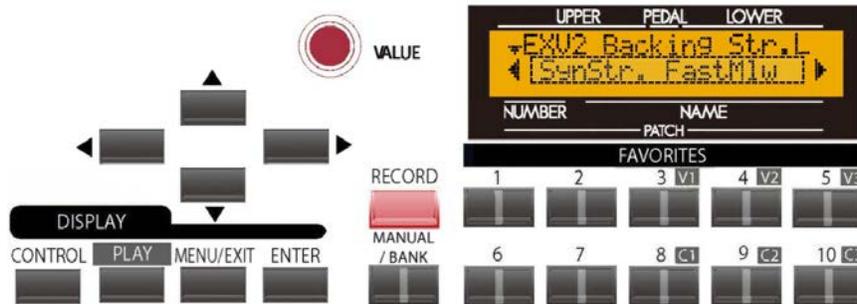
5. Play some notes on the Upper Manual. You will now hear the sound of an acoustic grand piano.
6. Touch the UPPER ON Touch Button in the EXTRA VOICE 2 Group. The red LED will light.



7. Touch the OTHER Touch Button in the EXTRA VOICE 2 Group. The red LED will light.

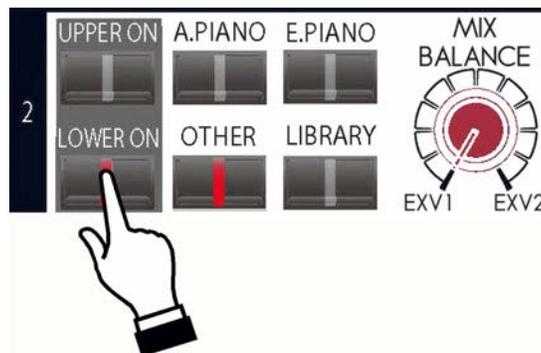


- The OTHER category contains several Voice Groups. For this example, select the “Backing Strings” group. Touch the OTHER Touch Button repeatedly until the Information Center Display looks similar to this:



The lower line of the display should now be blinking.

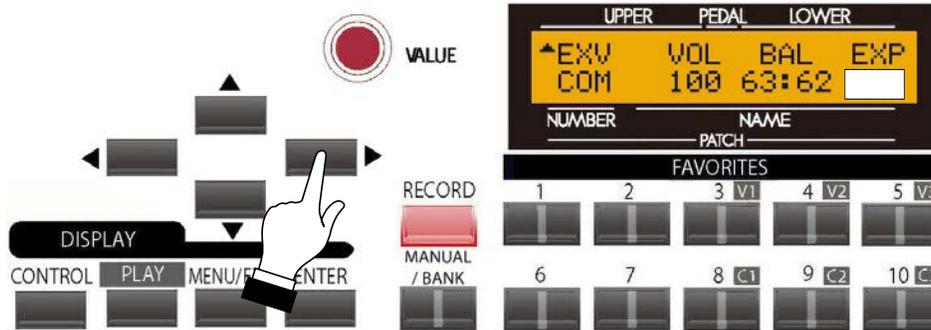
- Turn the VALUE Rotary Control until you see “SynStr. FastMlw” on the lower line of the Information Center Display as shown above.
- Play some notes on the Upper Manual. You will now hear Piano and Strings sounding together.
- Now touch the LOWER ON Touch Button in the EXTRA VOICE 2 Group. The red LED will light.



- Play some notes on both Manuals. You will now hear the sound of an acoustic grand piano on the Upper Manual and Strings on the Lower Manual.

◆ SPECIAL NOTE - ProChord™

When you scroll through the Extra Voices in each Voice Category, you may have noticed the legend, “Pcd”



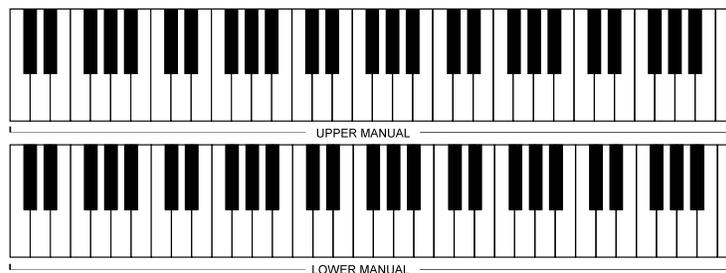
You will see “Pcd” in several of the Voice Names in the A.PIANO, WIND and OTHER Voice Categories.

“PCD” is an abbreviation for **ProChord™**. The next paragraphs will explain in detail how to use the ProChord™ feature.

What Is “ProChord™” - PLEASE READ

ProChord™ is a unique feature of certain Hammond Organ models, including the Sk-series, which allows you to play professional right-hand harmony while playing a single-note melody. The harmonization applied to the melody is determined by which chord is played by the left hand.

NOTE: A note or chord must be played on the Lower Manual in order for the ProChord harmony to sound when notes are played on the Upper Manual.

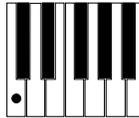


ProChord works like this: When notes or chords are played on a Lower Manual and a note is played on an Upper Manual, the note represented by the key played on the Upper Manual is heard along with a scored harmony pattern which sounds according to the Chord Root and Chord Type selected by the notes played on the Lower Manual. The Chord Root is the letter name of the chord (F, A, B^b, etc) while the Chord Type is the denomination of the chord (Major, Minor, Augmented, etc.). The ProChord feature on the SKX will recognize 26 different Chord Types in response to notes played on the Lower Manual. The following page will show how to play the five basic Chord Types using a minimum number of notes.

ProChord Chords

Major Chords

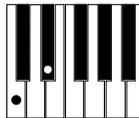
To play a Major chord, play the key that is the name of the chord you are playing. For example, to play a C Major chord, Play a "C" key on the Lower Manual.



Minor Chords

Minor Chords are formed by touching and holding two keys. To play a "C" Minor Chord, first touch and hold the key that is the NAME of the chord. Second, determine the note which is a minor third above the key you are holding by counting three (3) keys to the right not including the key you are holding. For a C Minor Chord, this note is "E^b":

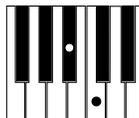
1. C
2. E^b



Seventh Chords

Forming a Seventh Chord requires touching and holding two keys. To play a "C" Seventh Chord, play the key that is the NAME of the chord. To determine the second key, count two (2) keys to the left of the first key (B^b if you are playing a C Seventh Chord). Do not include the first key in your count.

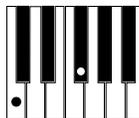
1. C
2. B^b



Diminished Chords

Forming a Diminished Chord requires touching and holding two keys. To play a "C" Diminished Chord, play the key that is the NAME of the chord. To determine the second key, count six (6) keys either to the left or the right of the first key (G^b if you are playing a C Diminished Chord). Do not include the first key in your count.

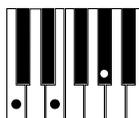
1. C
2. G^b



Augmented Chords

Forming an Augmented Chord requires touching and holding three keys. To play a "C" Augmented Chord, play the key that is the NAME of the chord. Next, count three (3) keys to the right. Finally, count three (3) more notes to the right of the key you just added. For a C Augmented Chord, these three notes are:

1. C
2. E
3. G[#]

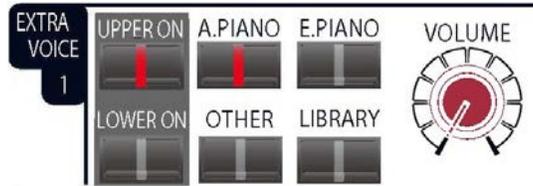


NOTE: In addition to the above method, the entire chord can also be played to produce the same result.

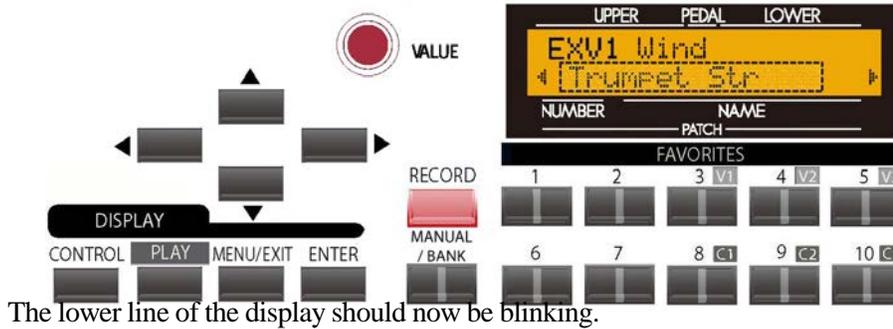
Using ProChord

TRY THIS:

1. Touch the UPPER ON Touch Tab in the EXV1 section. The red LED will light.

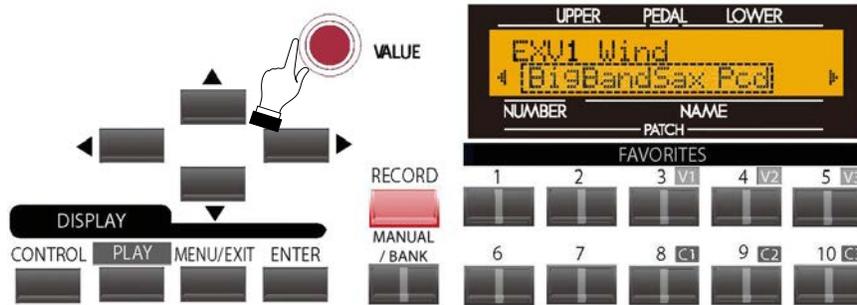


2. Touch the OTHER Touch Tab repeatedly until the Information Center Display looks similar to the figure below.



The lower line of the display should now be blinking.

- From the current screen, turn the VALUE Rotary Control until the Information Center Display looks like this:



- For this example, make sure the UPPER ON Touch Button in the ORGAN Section is “OFF” (LED not lit).



- Play a chord on the Lower Manual. Hold the keys down.
- While holding the keys down, play a single-note melody on the Upper Manual.

You will hear the melody note plus harmony notes underneath the melody.

The above instructions apply to all of the Extra Voices with ProChord. Each ProChord Extra Voice will be a melody note plus a different harmony pattern. The **Big Band Sax** pattern has a 5-part open-harmony pattern, for example, while the **Old Time Pno** pattern has a 4-part closed harmony pattern. There are also 2- and 3-part patterns. Feel free to experiment with the different ProChord choices; however, remember that the harmony will ONLY sound if Lower Manual notes are pressed and held while the melody is played.

NOTE: When a ProChord Extra Voice is selected, the Upper Manual becomes monophonic - if a chord is played with the right hand only one key will play. Therefore, when using Prochord play a single-note melody.