

HAMMOND

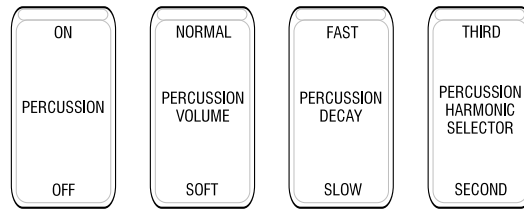


Sk **PRO**

**UPPER
PERCUSSION**

UPPER PERCUSSION - Touch-Response Percussion

An important component of the Hammond Sound is Touch-Response Percussion Control. On a vintage Hammond console organ, this feature is controlled by four tilting tablets on the extreme right of the control panel which look like this:



The PERCUSSION controls on the SK PRO consist of four separate buttons, located immediately to the right of the Drawbars, which control harmonic Percussion tones playable from the UPPER Part. They control all the same functions as the tilt tablets on a vintage Hammond.



IMPORTANT NOTE: To hear the tones produced by the Percussion Voice buttons, the keys normally must be played in a detached (non-Legato) manner. If you play a single note and then hold it down while playing other keys, the Percussion voice will not play again until you release all keys and again play detached notes.

◆ ON

This button turns Percussion “ON” and “OFF.” When this button is “ON” and the other buttons in the PERCUSSION section are “OFF,” the tone for this harmonic is the same as the sound derived from the 4¹ Drawbar. Combining this Percussion tone with the Drawbars will produce bright and clear sounds.



◆ SOFT

This button regulates the volume of the Percussion tone. When it is in its normal state (LED not lit), the Percussion effect will be very prominent compared to the tones produced by the Drawbars. When this button is "ON" (LED lit) the Percussion effect is lower in volume or much less prominent.



◆ FAST

When this button is “OFF” (LED not lit), the Percussion tone will decay (die away) slowly like a chime. When FAST is "ON" (LED lit), the Percussion effect will decay rapidly like a xylophone or glockenspiel.



◆ THIRD

When this button is “ON” (LED lit), the harmonic tone is the same one produced by the 2 2/3¹ Drawbar. Combining this Percussion tone with the Drawbars will produce powerful and heavy sounds.

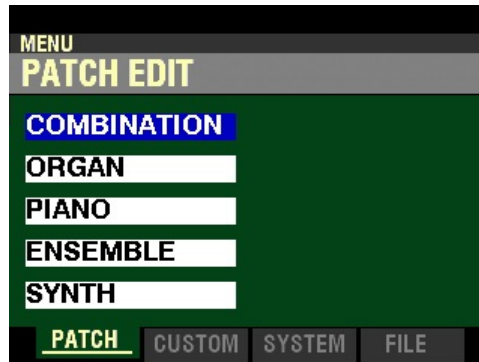


◆ PERCUSSION Edit Menu

This Menu allows you to make various changes to the characteristics of the Percussion.

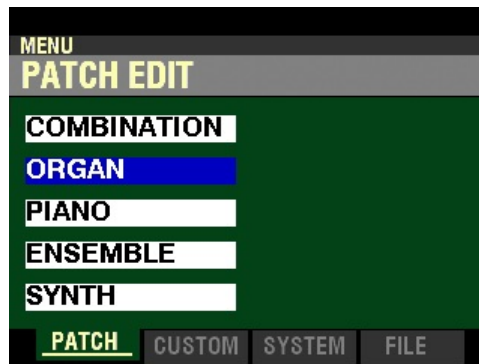
◆ Accessing the PERCUSSION Edit Menu Using the MENU/EXIT button:

1. From any of the PLAY Mode screens, Press the MENU/EXIT button once. The Information Center Display should now look like this:



The “COMBINATION” box should be highlighted.

2. Press the DIRECTION “▼” button once. The “ORGAN” box should be highlighted.

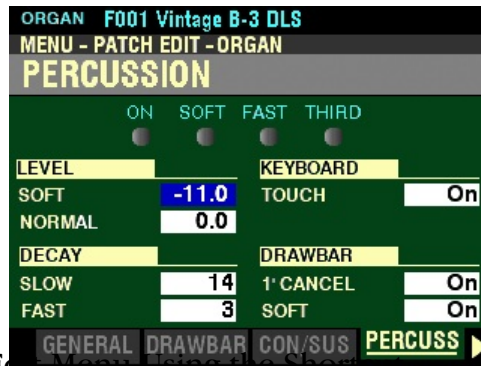


3. Press the ENTER button. The Information Center Display should now look like this:



The PATCH EDIT - ORGAN FUNCTION Mode should now display.

4. Press the PAGE “▶” button three times. The Information Center Display should now look like this:



◆ Accessing the PERCUSSION Edit Menu Using the Shortcut.

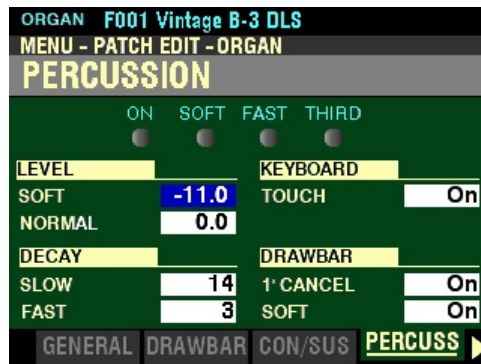
Press and Hold any of the four PERCUSSION buttons. After approximately 1 second, you will see the screen shown above.

You are now in the PERCUSSION Edit Page. You may now use the DIRECTION and PAGE buttons in conjunction with the VALUE knob to make various changes to the Percussion. These changes are explained starting below.

◆ PERCUSSION ON/OFF, VOLUME, DECAy and HARMONIC SELECTOR

Notice the four small icons at the top of the display for ON, SOFT, FAST and THIRD. These correspond to the four PERCUSSION buttons on the Control Panel. When any of these buttons are “ON” (LED lit), the corresponding icon will also light.

In this screen, the box to the right of “SOFT” should be highlighted.



◆ PERCUSSION LEVEL

This Parameter allows you to set the overall volume level of the Percussion tones. This will allow you to balance the amount of NORMAL and SOFT Percussion sound (the choices provided by the button) with the sound produced by the Drawbars. You can set the levels separately for the SOFT and NORM (normal) Percussion Volume settings.

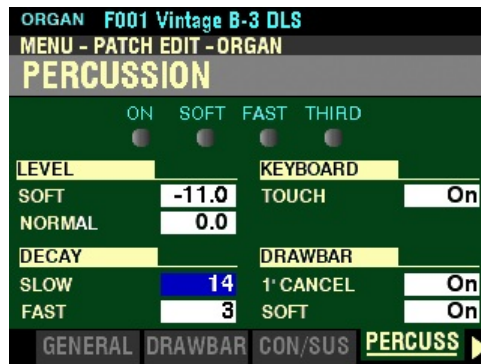
Use the DIRECTION “▼” and “▲” buttons to select either SOFT or NORMAL (Normal). When you have made your selection:

Turn the VALUE knob to the right to increase the Level.

Turn the VALUE knob to the left to decrease the Level.

◆ DECAF

From the screen shown at the bottom of the previous page, press the DIRECTION “▼” button until the box to the right of “SLOW” is highlighted.



This Parameter allows you to set the overall decay (the rate at which the Percussion tone dies away while a key is held) of the Percussion tones. The SLOW Parameter sets the amount of Slow Decay (FAST button “OFF”) while the FAST Parameter sets the amount of Fast Decay (FAST button “ON”). You can set the levels separately for the SLOW and FAST Percussion Decay settings.

Use the DIRECTION “▼” and “▲” buttons to select either SLOW or FAST. When you have made your selection:

Turn the VALUE knob to the right to lengthen the Decay.

Turn the VALUE knob to the left to shorten the Decay.

◆ KEYBOARD TOUCH

From the above screen, use the PAGE “▶” button to move the cursor to the right portion of the display. Use the DIRECTION “▼” and “▲” buttons if necessary to highlight the box to the right of “TOUCH.”

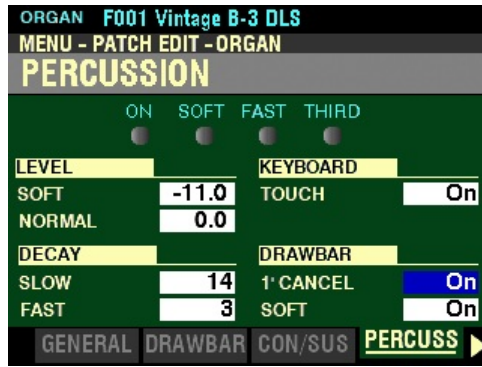


This Parameter allows you to turn the Percussion Touch-Response “ON” or “OFF.” The data chart below shows the options you may select.

KEYBOARD TOUCH Options	
Parameter	Description
On	Percussion tones will sound only if you play the keys in a detached manner (non-legato). Any degree of detachment is sufficient. This replicates the Touch-Response Percussion function on the original models B-3, C-3, RT-3 or A-100.
Off	Each key will sound when played regardless of whether other keys are being held. This replicates the Percussion function on the X-66, Concorde and later model Hammond Organs.

Turn the VALUE knob to make your selection.

From the screen shown at the bottom of the previous page, press the DIRECTION “▼” button once.



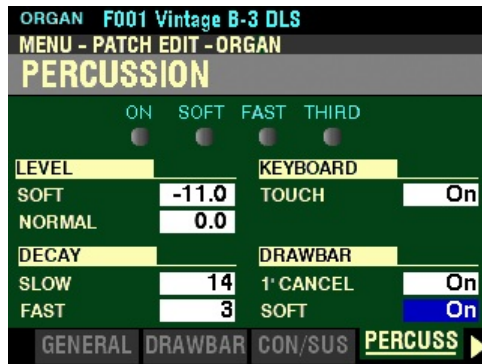
The box to the right of “1' CANCEL” should be highlighted.

◆ 1' CANCEL - Percussion Drawbar Cancel

When Percussion Drawbar Cancel is turned “ON,” the 8th harmonic Drawbar will be canceled when Percussion is "ON". This replicates the original Hammond Organs with Touch-Response Percussion Control, such as the B-3, C-3, RT-3, A-100 and D-100 series. When this feature is turned “OFF,” the 8th harmonic Drawbar (1') will continue to sound while Percussion is "ON". This replicates later Hammond Organs with Percussion.

Turn the VALUE knob to turn 1' CANCEL “ON” or “OFF.”

From the above screen, press the DIRECTION “▼” button once.



The box to the right of “SOFT” should be highlighted.

◆ SOFT - Percussion Drawbar Level

This Parameter allows you to set the Drawbar Level when Percussion is “ON” at normal volume (SOFT button “OFF”). The data chart below shows the options you may select.

PERCUSSION DRAWBAR CANCEL Settings	
Parameter	Description
On	The volume of the UPPER Drawbars will be reduced by -3db (-3 decibels) in volume when Percussion is "ON" at Normal volume. This replicates vintage Hammond Organs with Touch-Response Percussion Control (B-3, C-3, A-100, M-3)
Off	The volume of the UPPER Drawbars will stay at the same level, or "0db," when Percussion is "ON" at Normal volume. This replicates vintage Hammond Organs such as the L-100, M-100, etc.

Turn the VALUE knob to turn Percussion Drawbar Level “ON” or “OFF.”

NOTE: A "decibel" is a unit of measurement for the loudness of a sound wave.