

# HAMMOND



*Sk* **PRO**

**SPECIAL  
UTILITY  
FEATURES**

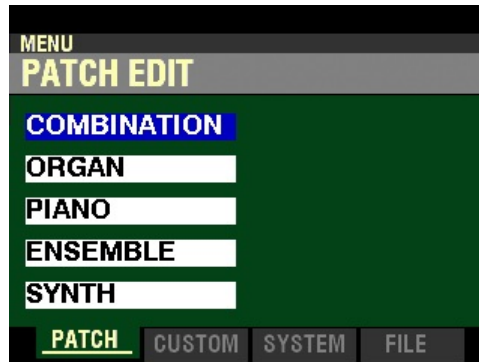
## SPECIAL UTILITY FEATURES

### ◆ SOUND FUNCTION Mode

This FUNCTION Mode allows you to adjust the sound qualities which affect the entire instrument (Master Tune, Master Transpose, and Master Equalizer).

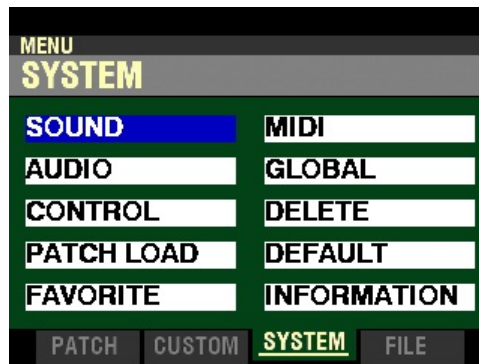
#### TRY THIS:

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 PAGE “▶” button two times. The “SOUND” box should be highlighted.

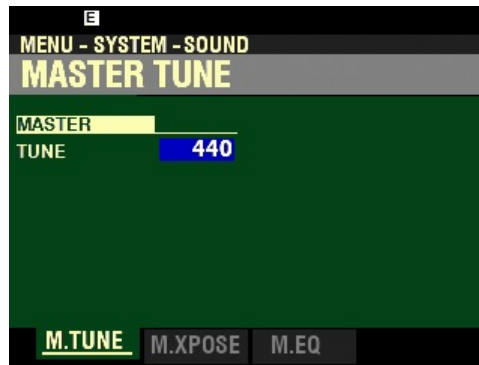


3. Press the ENTER button. The Information Center Display should now look like this:



You are now in the SOUND FUNCTION Mode Menu.

*If you followed the instructions on the previous page, you should now see the SOUND FUNCTION MODE Menu. The box to the right of “TUNE” should be highlighted.*



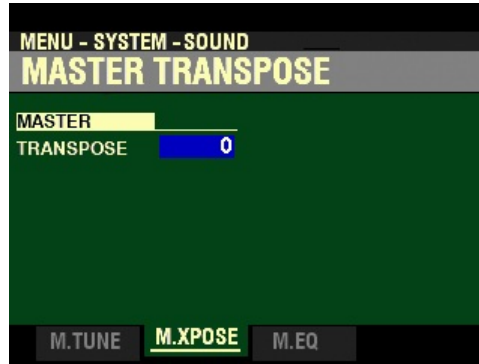
#### ◆ MASTER TUNE

This Parameter allows you to change the overall tuning pitch of the entire instrument. The reference pitch is “A-440”. The selectable range is from A-430 to A-450.

Turn the VALUE knob to the right to raise the pitch.

Turn the VALUE knob to the left to lower the pitch.

From the screen shown on the previous page, press the PAGE “▶” button once.



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

#### ◆ MASTER TRANSPOSE

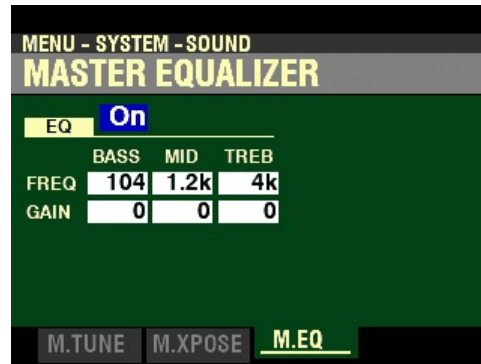
This Parameter allows you to shift the musical key of the entire instrument. This is useful if you have a piece of music written in one key but which needs to sound in another key; for example, a song written and played in C Major, could sound in G Major. TRANSPOSE will step either up or down six (6) semitones or half-steps from the center position.

Turn the VALUE knob to the right to transpose the instrument up.

Turn the VALUE knob to the left to transpose the instrument down.

**NOTE:** The MASTER TRANSPOSE Parameter is linked to the TRANSPOSE button, plus the DOWN and UP buttons to the right of the TRANSPOSE button. For more information please consult the **SPECIAL PERFORMANCE FEATURES** chapter of this Guide.

From the screen shown on the previous page, press the PAGE “▶” button once.



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

## ◆ MASTER EQUALIZER

This FUNCTION Mode Menu Page allows you to customize the tone quality of the entire Instrument.

### 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 area of the frequency range than just “highs” and “lows.” The Equalizer functions of your SK PRO has this capability.

### Master Equalizer ON/OFF

This Parameter allows you to turn the Master Equalizer “ON” or “OFF.”

Touch the MASTER EQ button or turn the VALUE knob to turn the Master Equalizer “ON” or “OFF.”

From the screen shown on the previous page, press the DIRECTION “▼” button once.



The box underneath “BASS” should be highlighted.

### BASS - Bass Central Frequency Adjust and Gain

These Parameters allow you to adjust the central frequency and amount of the Bass frequency band. You can select from 20Hz to 200Hz.

Use the DIRECTION “◀” and “▶” buttons to select either FREQ or GAIN for the Bass frequencies.

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

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

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



The box underneath “MID” should be highlighted.

### MID - Midrange Central Frequency Adjust, Gain and Resonance (“Q”)

These Parameters allow you to adjust the central frequency, amount and resonance of the Midrange frequency band. You can select from 250Hz to 3.1kHz.

Use the DIRECTION “◀” and “▶” buttons to select either FREQ or GAIN for the Midrange frequencies.

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

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

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



The box underneath “TREB” should be highlighted.

### TREB - Treble Central Frequency Adjust and Gain

These Parameters allow you to adjust the central frequency and amount of the Treble frequency band. You can select from 4.0kHz to 8.0kHz .

Use the DIRECTION “◀” and “▶” buttons to select either FREQ or GAIN for the Treble frequencies.

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

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

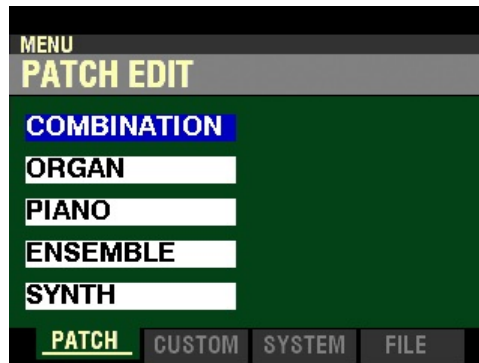
## ◆ GLOBAL FUNCTION Mode

This FUNCTION Mode allows you to control certain Parameters which affect the entire instrument.

### ◆ POWER - AUTO OFF

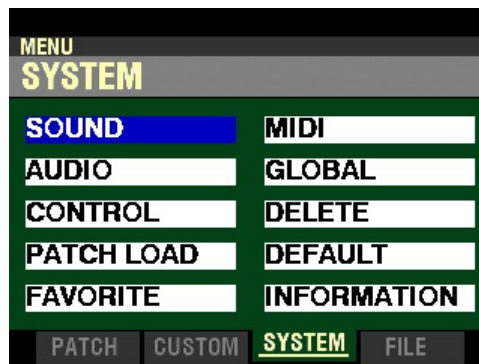
For safety reasons, the SK PRO is equipped with a POWER - AUTO OFF feature which turns the power to the instrument “OFF” if no keys or controls are touched within a 30-minute period. This FUNCTION Mode Page allows you to enable or disable this feature.

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



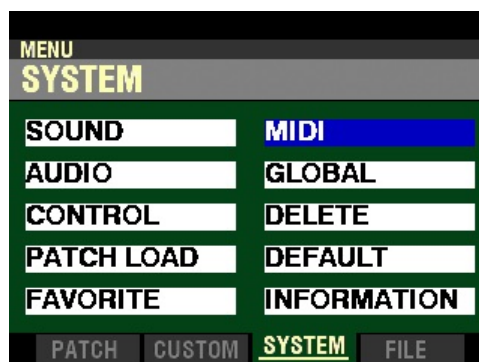
The “COMBINATION” box should be highlighted.

2. Press the PAGE “▶” button two times. The “SOUND” box should be highlighted.



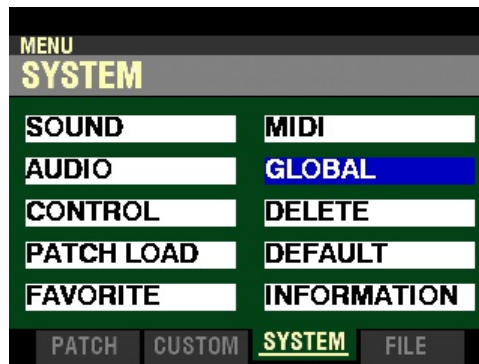
You are now in the SYSTEM Menu.

3. Press the DIRECTION “▶” button once. The Information Center Display should now look like this:

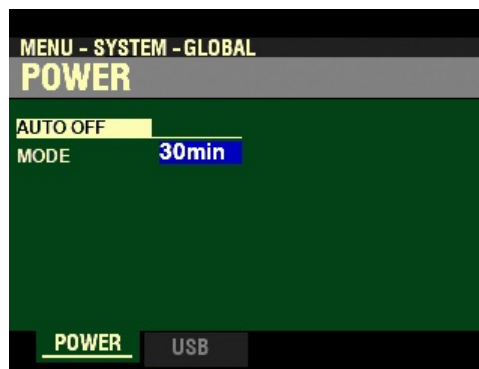




4. Press the DIRECTION “▼” button once. The Information Center Display should now look like this:



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



Use the VALUE knob to select the option you want. The data chart below shows the options you may select.

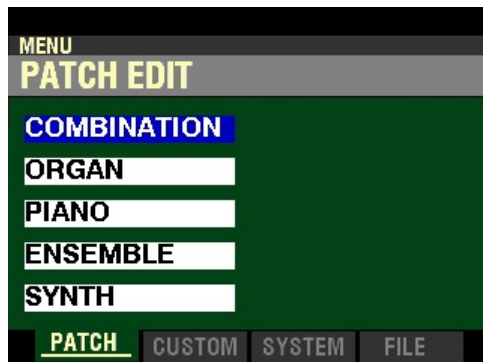
POWER - AUTO OFF	
Description	Function
30min	The AC power to the instrument will turn “OFF” after 30 minutes have elapsed with no keys or buttons being pressed.
Disable	The instrument will turn “ON” or “OFF” with the AC Power Switch, but not turn “OFF” automatically.

Turn the VALUE knob to make your selection.

## ◆ USB - USB TO HOST

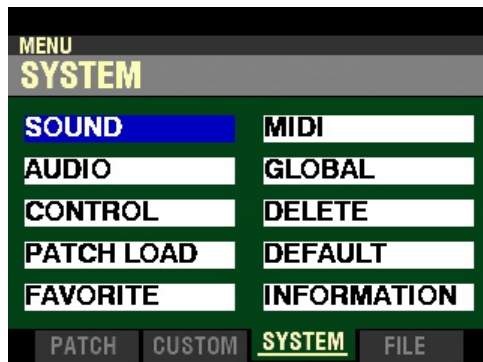
This FUNCTION Mode Page allows you to select whether you want to use the TO HOST USB Port for MIDI Data or to treat the SK PRO Memory as a Mass Storage Device.

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



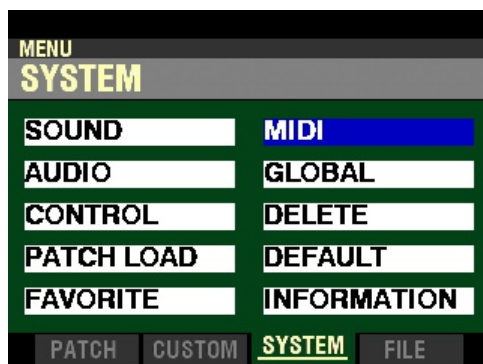
The “COMBINATION” box should be highlighted.

2. Press the PAGE “▶” button two times. The “SOUND” box should be highlighted.

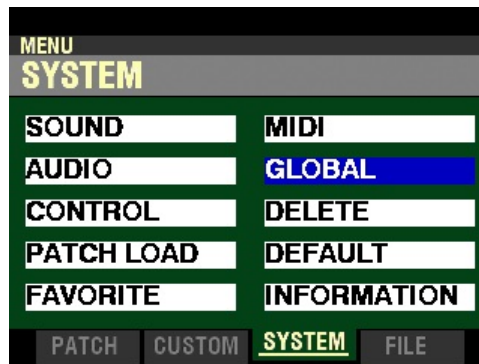


You are now in the SYSTEM Menu.

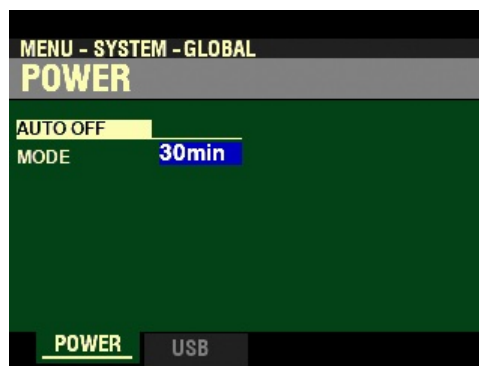
3. Press the DIRECTION “▶” button once. The Information Center Display should now look like this:



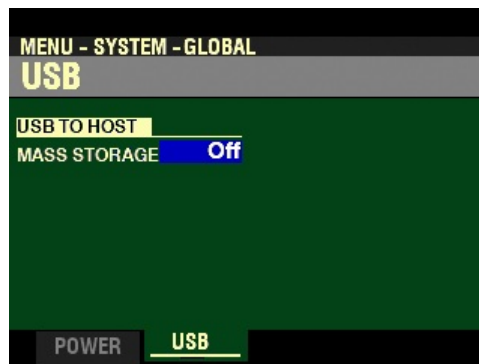
4. Press the DIRECTION “▼” button once. The Information Center Display should now look like this:



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



6. Press the PAGE “▶” button once. The Information Center Display should now look like this:



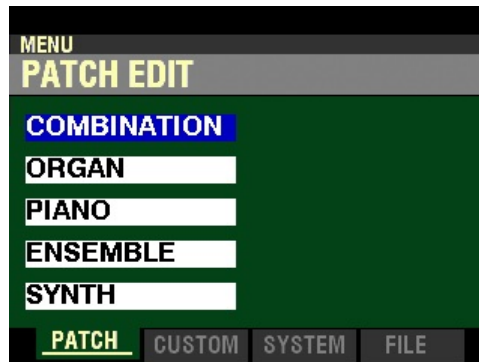
Use the VALUE knob to select the option you want. The data chart below shows the options you may select.

USB TO HOST - MASS STORAGE	
Description	Function
On	A connected host computer will treat the Internal Memory of the SK PRO as an external Mass Storage device. You can Load or Save files from/to the instrument's Internal Memory.
Off	The USB TO HOST Port will transmit and receive MIDI Data.

## ◆ INFORMATION

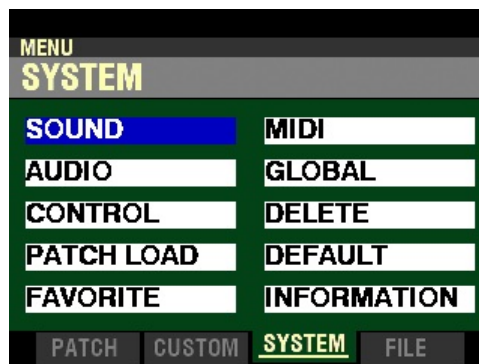
This FUNCTION Mode Page allows you to see critical Information about the instrument.

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

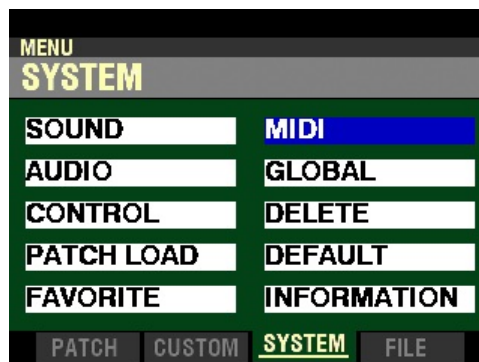


The "COMBINATION" box should be highlighted.

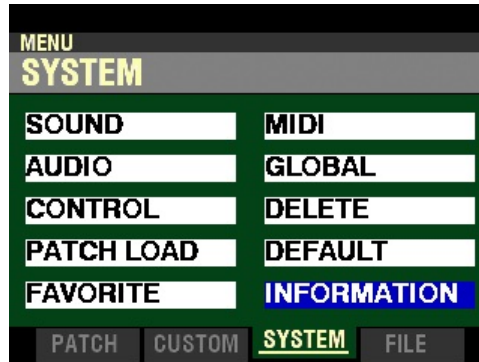
2. Press the PAGE "▶" button two times. The "SOUND" box should be highlighted.



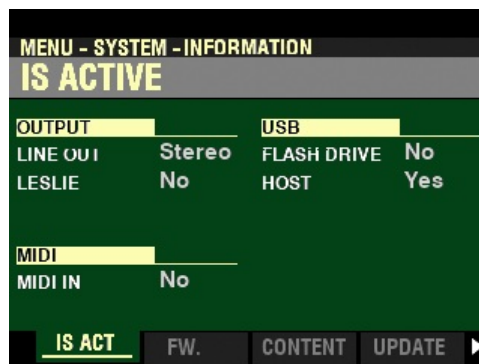
3. Press the DIRECTION "▶" button once. The Information Center Display should now look like this:



4. Press the DIRECTION “▼” button four times. The Information Center Display should now look like this:



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



## ◆ IS ACTIVE

This FUNCTION Mode Page allows you to see which peripheral devices are connected.

The data chart below explains the different screen messages.

LINE OUT	
Mono	Only the L/MONO jack is connected.
Stereo	Both the L/MONO and R jacks are connected.

**NOTE:** The full effect of the sounds produced by the SK PRO is best heard in Stereo (both LINE OUT jacks connected to two sound sources physically separated). If only the L/MONO jack is connected, the “Pan” function will not be heard.

LESLIE	
No	A Leslie Speaker cabinet is not connected via the 11-pin Leslie socket.
Yes	A Leslie Speaker cabinet is connected via the 11-pin Leslie socket.

MIDI IN	
No	A MIDI device is not connected via the MIDI IN Port.
Yes	A MIDI device is connected via the MIDI IN Port.

**NOTE:** This shows the receiving condition of the “Active Sense” message. It may display “No” even if connected if the connected device cannot send an Active Sense message (such as the XPK-100 Pedalboard).

USB FLASH DRIVE	
No	A MIDI device is not connected via the MIDI IN Port.
Yes	A MIDI device is connected via the MIDI IN Port.

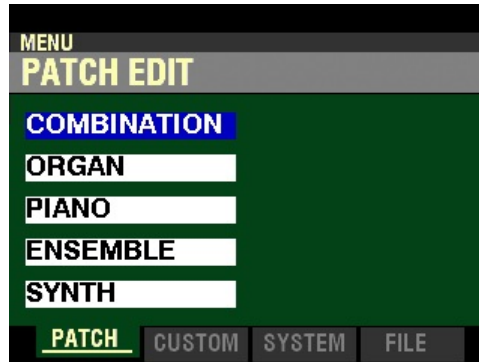
**NOTE:** Use this Parameter to determine if a USB Flash Drive is compatible with the SK PRO.

USB TO HOST	
No	A MIDI device is not connected via the MIDI IN Port.
Yes	A MIDI device is connected via the MIDI IN Port.

## ◆ VERSION - FIRMWARE

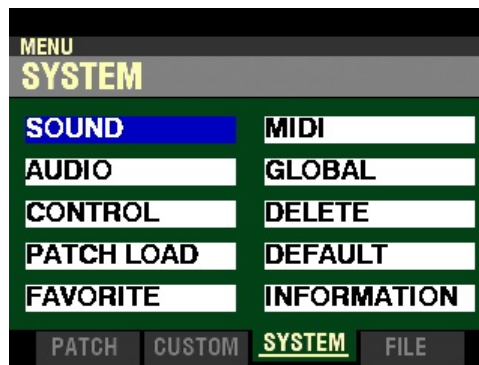
This FUNCTION Mode Page allows you to see the versions of the main system software.

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

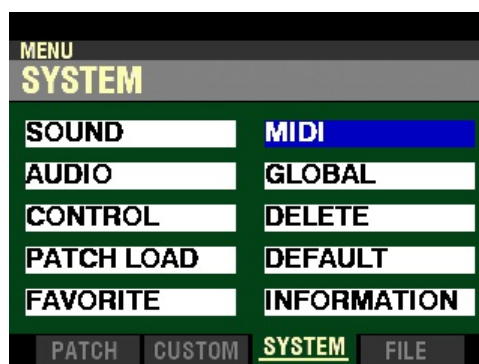


The “COMBINATION” box should be highlighted.

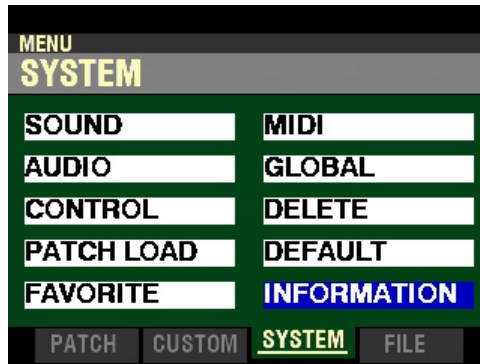
2. Press the PAGE “▶” button two times. The “SOUND” box should be highlighted.



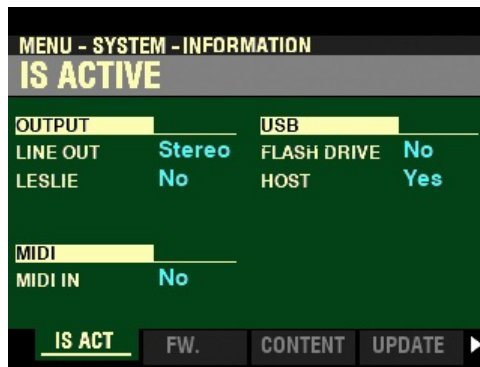
3. Press the DIRECTION “▶” button once. The Information Center Display should now look like this:



- Press the DIRECTION “▼” button four times. The Information Center Display should now look like this:



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



- Press the PAGE “▶” button once. The Information Center Display will show the current software for the main system (see the date chart below).

VERSION - FIRMWARE	
Software Module	Description
RELEASE	Release number
MAIN	Main Processor
SUB	Sub Processor
KEYSCAN	Keyscan Processor
PANEL	Control Processor



## ◆ VERSION - CONTENTS

This FUNCTION Mode Page allows you to see the versions of the Voice Cells.

1. From the screen shown on the previous page, Press the PAGE “▶” button once. The Information Center Display will show the versions of the Voice Cells (see the date chart below).

You will see an arrow in the lower right corner of the screen indicating more contents below the displayed area. Use the DIRECTION “▼” button to scroll down and see the entire list of Voice Cells.

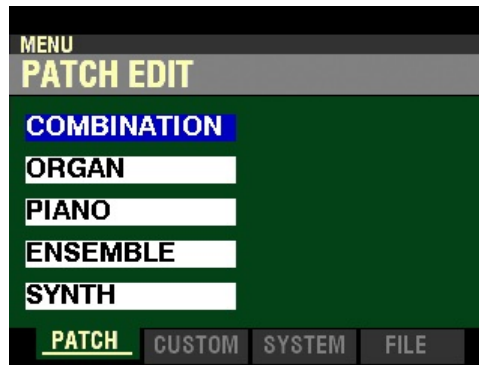
VERSION - CONTENTS	
Software Module	Description
F.CONTENT	Factory Contents. This is integrated pre-loaded data. The details are listed below.
TW.ORGAN	Tone Wheel Organ
TR.ORGAN 1	Transistor Organ 1
TR.ORGAN 2	Transistor Organ 2
PIPE	Pipe Organ
PEDAL DB.	Pedal Drawbars
A.PIANO	Acoustic Piano
HARPSI	Harpsichord
CHRO.PERC	Chromatic Percussion (xylophone, marimba, etc.)
ETHNIC	Ethnic instruments (banjo, shamisen, etc.)
WIND	Wind instruments (aereophones)
CHOIR	Choir & Voices
BASS	Bass Voices
FREE REED	Free Reed Voices (accordion, harmonica, etc.)
E.PIANO	Electric Piano
CLAV	Clav Voices
GUITAR	Guitar Voices
SFX	Special Effects (telephone, white noise, etc.)
STRINGS	String Voices
SYNTH PAD	Synth Accompaniment Voices (Fantasia, Soundtrack, etc.)
SYNTH LEAD	Synth Melody Voices (square lead, saw lead, etc.)
PERCUSSION	Drum & Percussion Voices (Ride Cymbal, Wind Chime, etc.)

## ◆ DEFAULT (Initialize)

This FUNCTION Mode Page Menu allows you to initialize all or part of the SK PRO to factory-default settings.

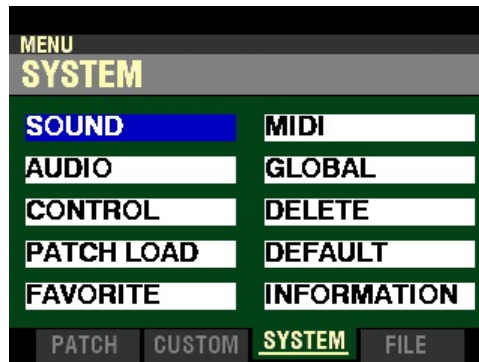
To access the DEFAULT Edit Menu, do the following:

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

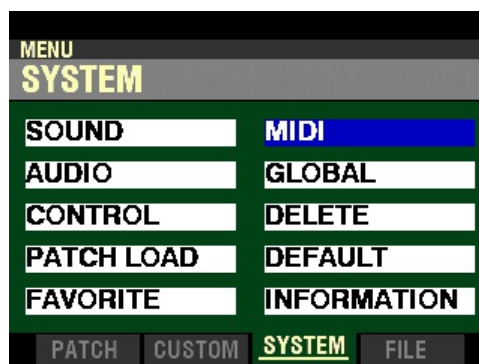


The “COMBINATION” box should be highlighted.

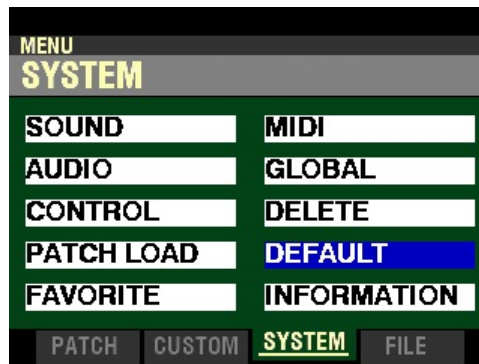
2. Press the PAGE “▶” button two times. The “SOUND” box should be highlighted.



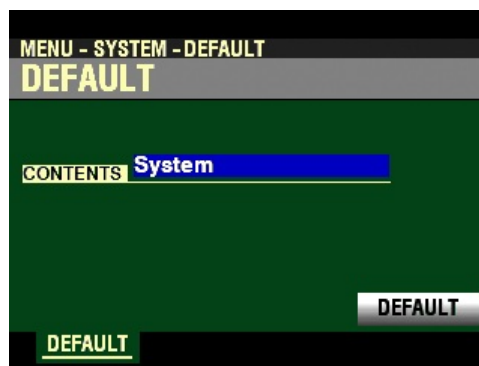
3. Press the DIRECTION “▶” button once. The Information Center Display should now look like this:



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



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



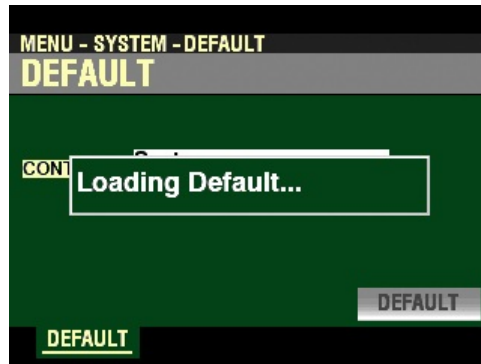
**WARNING!:** Doing any of the following procedures will erase all parameters, settings and registrations, returning the instrument to the original Hammond factory default settings.

The data chart below shows the options you may select.

DEFAULT Options	
Description	Function
SYSTEM	Resets the System Parameters only.
ALL	Resets the entire instrument.

Turn the VALUE knob to make your selection.

6. After you have made your selection, Press the ENTER button. The Information Center Display should show the following for approximately 1 second:



**NOTE:** If you DO NOT wish to Reset, Press either the PLAY or the MENU/EXIT button.

**NOTE:** You can also perform a DEFAULT ALL by turning the Power "ON" while pressing and holding the red RECORD button.

**NOTE:** Please consult the following page for a list of System Parameters.

## ◆ SYSTEM PARAMETER LIST

Category	Parameter	NRPN		SysEx Address		SysEx Length	Data	
		MSB (63)	LSB (62)	MSB to LSB				
Tune	Master Tune	01	00	00	01	00	02	032E - 0338 - 0342 (A= 430 - 440 - 450 Hz)
	Transpose	01	01	00	01	01	02	3F 7A - 40 00 - 40 06 (-6 - +0 - +6 semitones)
	Velocity Offset	01	02	00	01	02	02	3F 60 - 40 00 - 40 20 (-32 +0 - +32)
	Pitch Bend Depth	01	03	00	01	03	01	00 - 0D (Patch, +0 - ±12 semitones)
	Organ Sounding Point	01	04	00	01	04	01	00, 01 (Shallow, Deep)
	TW Brake Range	01	05	00	01	05	02	3F 68 - 40 00 - 40 0C (-24 - +0 - +12 semitones)
	TW Brake Time	01	06	00	01	06	01	00 - 31 (0.1 - 5.0 sec)
	TW Brake Amp	01	07	00	01	07	01	00, 01 (Off, On)
	Transpose Act Organ	01	08	00	01	08	01	00, 01 (Every, Next)
	Transpose Act Pinao	01	09	00	01	09	01	00, 01 (Every, Next)
	Transpose Act Ensemble	01	0A	00	01	0A	01	00, 01 (Every, Next)
	Transpose Act Synth	01	0B	00	01	0B	01	00, 01 (Every, Next)
Expression	Source	02	00	00	02	00	01	00 - 02 (Pedal, MIDI, Both)
	Min. Level	02	01	00	02	01	01	00 - 29 (Off, -40 - +0dB)
	Min. Limit LF	02	02	00	02	02	01	00 - 29 (Off, -40 - +0dB)
	Min. Limit HF	02	03	00	02	03	01	00 - 29 (Off, -40 - +0dB)
	Pedal Type	02	06	00	02	06	01	00, 01 (H or R, Y or K)
	Gain	02	07	00	02	07	01	00 - 3C (70 - 130 %)
	Curve	02	08	00	02	08	01	00 - 02 (Audio, Linear, Capacitor)
Damper	Pedal Type	03	03	00	03	03	01	00 - 03 (Switch, HalfY, HalfR, HalfK)
	Gain	03	04	00	03	04	01	00 - 3C (70 - 130 %)
Foot Switch	Mode Foot Tip	07	00	00	07	00	01	00 - 24
	Mode Foot Ring	07	01	00	07	01	01	00: Off 07: Spring Shock
	Mode Leslie Tip	07	02	00	07	02	01	01: Leslie S/F Alt 08: MFX2 Delay Time
	Mode Leslie Ring	07	03	00	07	03	01	02: Leslie S/F Mom 09: Org U&L Sustain
								03: Leslie S/F Tri 0A: Pedal To Lower
								04: TW Brake 0B-23: Bass 1C - 3C
							05: Favorite Fwd 24: ProChord	
							06: Favorite Rev	
Leslie Switch Device	07	04	00	07	04	01	00, 01 (Foot Switch, Leslie Switch)	
User Button	Mode	08	00	00	08	00	01	00 - 0E
								00: Off 08: Organ MFX2
								01: Pedal Sustain 09: Piano MFX1
								02: Org U Sustain 0A: Piano MFX2
								03: Org L Sustain 0B: Ens MFX1
								04: TW Brake 0C: Ens MFX2
								05: Spring Shock 0D: Synth MFX1
								06: MFX2 Delay Time 0E: Synth MFX2
							07: Organ MFX1	
Display	Short Cut	--	--	--	--	--	--	00 - 03 (0, 1, 2 sec, No)
	Time Out	--	--	--	--	--	--	00 - 03 (4, 8, 16 sec, No)
	Pop Up	--	--	--	--	--	--	00 - 03 (No, 5, 10, 20 sec)
	Auto Power Off	--	--	--	--	--	--	00, 01 (Disable, 30min)
	Knobs	--	--	--	--	--	--	00, 01 (Every, Across)
	USB Mass Storage	--	--	--	--	--	--	00, 01 (Off, On)
Audio	Individual Out	04	00	00	04	00	01	00 - 06
								00: Off 04: Piano / Ensemble
								01: Piano Stereo 05: Piano / Synth
								02: Ensemble Stereo 06: Ensemble / Synth
							03: Synth Stereo	
Ext. Leslie Ch.	04	01	00	04	01	01	00 - 02 (1, 3, 1+1Line)	
Use Rotary Out	04	02	00	04	02	01	00, 01 (Off, On)	
Use Pedal Out	04	03	00	04	03	01	00, 01 (Off, On)	
Master Equalizer	On	05	00	00	05	00	01	00, 01 (Off, On)
	Bass Gain	05	01	00	05	01	01	00 - 09 - 12 (-9 - ±0 +9)
	Mid Gain	05	02	00	05	02	01	00 - 09 - 12 (-9 - ±0 +9)
	Treble Gain	05	03	00	05	03	01	00 - 09 - 12 (-9 - ±0 +9)
	Bass Freq	05	04	00	05	04	01	00 - 18 (20 - 308Hz)
	Mid Freq	05	05	00	05	05	01	00 - 0F (250 - 3.1kHz)
	Treble Freq	05	06	00	05	06	01	00 - 13 (3.0k - 8.0kHz)
	Mid Q	05	07	00	05	07	01	00 - 3F (0 - 63)
MIDI Common	MIDI In Mode	--	--	--	--	--	--	00 - 09
								00: Upper 05: Organ Upper
								01: Lower 06: Piano
								02: Pedal 07: Ensemble
								03: Lower+Pedal 08: Synth
								04: Upper+Pedal 09: Sequencer
	Local Control	--	--	--	--	--	--	00, 01 (Off, On)
	TRx NRPN	--	--	--	--	--	--	00, 01 (Off, On)
	TRx Program Change	--	--	--	--	--	--	00, 01 (Off, On)
	TRx Drawbar Regi	--	--	--	--	--	--	00, 01 (Off, On)
	Tx Multi Contact	--	--	--	--	--	--	00, 01 (Off, On)
	Rx Multi Contact	--	--	--	--	--	--	00, 01 (Off, On)
	Tx External Zone	--	--	--	--	--	--	00, 01 (Off, On)
	Device ID	--	--	--	--	--	--	00 - 7F (0 - 127)
	Rx Dump	--	--	--	--	--	--	00, 01 (Off, On)
MIDI Channel	Tx Upper	--	--	--	--	--	--	00 - 0F (1 - 16)
	Tx Lower	--	--	--	--	--	--	00 - 0F (1 - 16)
	Tx Pedal	--	--	--	--	--	--	00 - 0F (1 - 16)
	Rx Upper	--	--	--	--	--	--	00 - 0F (1 - 16)
	Rx Lower	--	--	--	--	--	--	00 - 0F (1 - 16)
	Rx Pedal	--	--	--	--	--	--	00 - 0F (1 - 16)
Patch Load	Organ - Link L/P	60	01	00	60	01	01	00, 01 (Off, On)
	Combi - Int Zone	60	02	00	60	02	01	00, 01 (Off, On)
	Combi - Ext Zone	60	03	00	60	03	01	00, 01 (Off, On)
	Organ - Organ Effect	60	04	00	60	04	01	00, 01 (Off, On)
	Organ - Animation	60	05	00	60	05	01	00, 01 (Off, On)
	Combi - Reverb	60	06	00	60	06	01	00, 01 (Off, On)
	Organ - Drawbar	60	07	00	60	07	01	00, 01 (Off, On)
	Organ - Percussion	60	08	00	60	08	01	00, 01 (Off, On)
	Organ - Registration	60	09	00	60	09	01	00, 01 (Off, On)
	Combi - Piano	60	0A	00	60	0A	01	00, 01 (Off, On)
	Combi - Ensemble	60	0B	00	60	0B	01	00, 01 (Off, On)
	Combi - Synth	60	0C	00	60	0C	01	00, 01 (Off, On)
	Combi - Organ	60	0D	00	60	0D	01	00, 01 (Off, On)

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