

HAMMOND



Sk **PRO**

INTRODUCTION

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◆ Basic Hook-Up

All connections are found on the Accessory Panel on the back of the SK PRO.

◆ AC Power

Your Hammond SK PRO is shipped from the factory set for 120V.AC power. To connect the SK PRO keyboard to A.C. power:

1. Locate the AC Power Cord that came with your SK PRO.
2. Plug the female end of the AC Power Cord into the receptacle on the SK PRO marked, "AC IN."
3. Plug the 3-pronged Power Cord into a grounded A.C. power outlet.

◆ Audio Connections

You can either:

1. Connect the SK PRO to an external sound source (amplifier, studio mixer, or sound reinforcement direct box),or
2. Connect the SK PRO to a Leslie Speaker cabinet.

Connecting to an external sound source

1. Use two audio cables with $\frac{1}{4}$ " plugs on both ends of each cable.
2. Connect one end of each of the audio cables to the audio output connectors (marked LINE OUT) on the Accessory Panel.
3. Connect the other ends of each cable to the female $\frac{1}{4}$ " audio input connectors of your sound source.

If your amplifier has only a single (1) female $\frac{1}{4}$ " phono plug audio input, you can connect one end of one cable to the L/MONO audio output connector on the SK PRO, and the other end to the female $\frac{1}{4}$ " audio input connector of your amplifier.

Connecting a Leslie Speaker

The 11-pin Leslie socket on your SK PRO allows you to plug directly into any Leslie speaker having an 11-pin interface. If you wish to use a Leslie Speaker with your SK PRO, the Leslie Speaker should be connected before turning the power "ON." To do this:

1. Locate an 11-pin Leslie Connector Cable.
2. Plug one end of the Connector Cable into the receptacle on the Leslie Speaker.
3. Plug the other end of the Connector Cable into the 11-pin Leslie socket found on the Accessory Panel of the SK PRO.

Both the Leslie connections are "keyed," that is, each connection contains a notch which insures that the pins properly match up.

NOTE: The 11-pin Leslie socket on your SK PRO allows you to plug directly into any Leslie speaker having an 11-pin interface. Current models include the 2101, 3300, 122XB and 981. However, when plugging the SK PRO into a single-channel Leslie cabinet such as a 3300, only the Drawbars will sound through the Leslie.

NOTE: To connect the SK PRO to a Leslie Speaker having a different pin configuration such as an older 6-pin 122 or 147, or a 9-pin cabinet such as the 760, 770 or 900 series cabinets, you will need an adapter kit and/or Connector Cable. Contact your Hammond Dealer for more information regarding which adapter kit and/or cable you may need.

◆ Connecting a Foot Switch

You can connect an optional foot switch such as the Hammond model FS-9H foot switch to your SK PRO. Connect the foot switch plug to one of the jacks marked "FOOT SW" on the back of the SK PRO.



NOTE: In order to insure proper operation of the Foot Switch, be sure to connect it when the power to the SK PRO is "OFF."

NOTE: The FOOT SW jack on your SK PRO is "TRS-compatible," meaning that by using a Stereo "Y" connector or "splitter," more than one Foot Switch can be plugged into the same jack. You can also use a TRS cable to connect a dual-momentary switch to one of the FOOT SW jacks. For a complete explanation of this, consult the **SPECIAL PERFORMANCE FEATURES** chapter of this Guide.

◆ Connecting a Damper Pedal

To connect a Damper (piano sustain) Pedal, connect the plug from the pedal into the jack marked "DAMPER" on the back of the SK PRO.

◆ Connecting an Expression Pedal

If you wish to use an Expression Pedal, connect the plug from the Expression Pedal into the EXP.PEDAL jack. The Hammond EXP-50 / EXP-50J Expression Pedals are recommended.

◆ Connecting a MIDI Pedalboard

If you wish to use a Hammond MIDI Pedalboard, use a MIDI cable to connect the MIDI OUT port from the Pedalboard to the MIDI IN port of the SK PRO.

NOTE: If you are using a Hammond Pedalboard, the MIDI Channel should be set to **3**. The SK PRO is automatically configured to transmit Pedal MIDI data on MIDI Channel 3. If you need further information, please consult the Owner's Manual for your Hammond Pedalboard.

◆ Other MIDI Connections

Your SK PRO can interface with a great number of MIDI-compatible devices. See the **MIDI** chapter of this Guide for more information about MIDI connections and your Hammond SK PRO.

◆ Connecting a Set of Headphones

A stereo headphone jack is provided on the Accessory Panel next to the LINE OUT jacks so that you may play or practice in privacy. Connect the plug from a set of stereo Headphones into the Headphone jack.

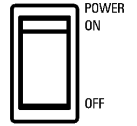
NOTE: Be sure that your headphone set has either a 1/4" plug or an adapter for a 1/4" plug.

◆ Basic Controls

The panel controls on the SK PRO include Drawbars, Rotary Controls and buttons. These controls allow you to make adjustments and changes on the instrument.

◆ ON / OFF Power Switch

The ON / OFF Power Switch is located at the rear of the instrument on the right side of the Accessory Panel facing the keyboard. When this switch is in the "ON" (pushed in at the top) position, the Information Center Display as well as some LED's (Light Emitting Diodes) will light up showing that the instrument is "ON."



NOTE: The SK PRO has an "AUTO POWER OFF" feature which automatically turns the power to the instrument "OFF" if no keys or controls are used within a 30-minute period. See page 8 for more information about this feature.

◆ MASTER VOLUME Rotary Control

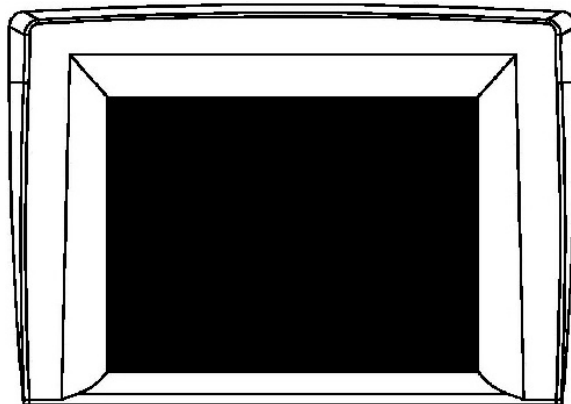
The MASTER VOLUME Rotary Control is located on the extreme left of the Control Panel. With this Rotary Control, you can control the total or maximum volume of the entire instrument. Turn this control to the right to increase the total volume, and to the left to decrease the total volume.



NOTE: If you have an Expression Pedal connected, it will express up to the amount determined by the setting of the MASTER VOLUME Rotary Control as well as the Volume settings for each of the Voice Sections within the Combinations. For more information about Combinations, consult the COMBINATIONS / PATCHES / BUNDLES / FAVORITES chapter of this Guide.

◆ Information Center Display

The Information Center Display is located in the center of the Control Panel.

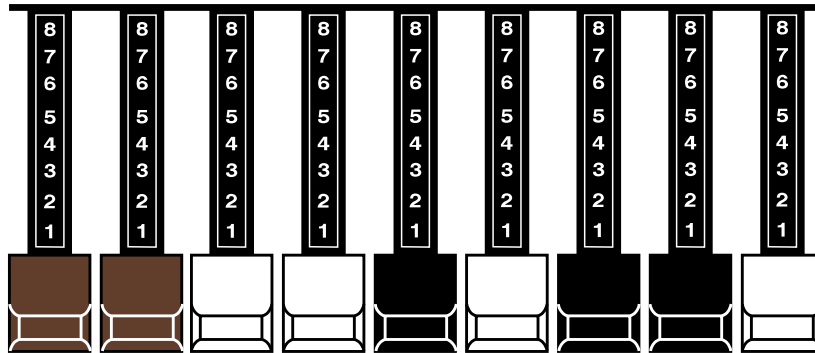


The Information Center Display has three modes: (1) PLAY Mode, (2) MENU Mode and (3) FUNCTION Mode.. The PLAY Mode allows you to graphically see Drawbar settings, Extra Voice settings, Patch Numbers and Patch Names. The MENU Mode allows you to access the various change and edit the SK PRO's software parameters such as Drawbar Voicing, MIDI parameters and other advanced functions.

NOTE: The PLAY and MENU Modes are covered in the INFORMATION CENTER DISPLAY chapter of this Guide.

◆ Drawbars

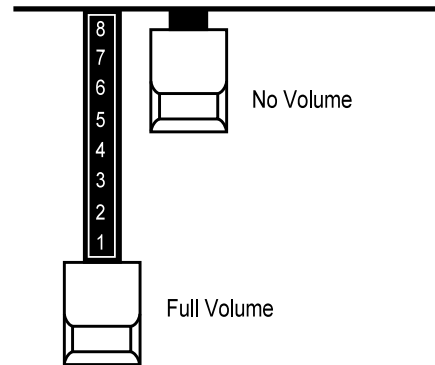
Drawbars are the heart and soul of the Hammond Sound.



The SK PRO has nine Drawbars, sometimes referred to as Tonebars. When the Keyboard SPLIT feature is active, these same nine Drawbars are used to control the sound registrations for both UPPER Keyboard, (left of the SPLIT Point) and LOWER KEYBOARD (right of the Split Point) as well as Pedal tones.

Pulling a Drawbar out (toward you) will increase the volume in incremental steps from 0 (no sound) to 8 (maximum volume). Pushing the Drawbar back in (away from you) decreases the volume of that Drawbar.

Please refer to the DRAWBARS & PERCUSSION section of this Reference Guide for a complete explanation of Hammond Drawbars.



◆ Buttons

The button controls on the SK PRO have LEDS or lights that will light up indicating "ON."



NOTE: The buttons in the **PIANO** and **ENSEMBLE** Voice Sections do not all turn off, at least one LED in each of these five Sections will always remain lighted.

NOTE: More detail about each of these sections is covered in later chapters of this Reference Guide.

◆ Additional Controls

◆ OCTAVE / TRANSPOSE buttons



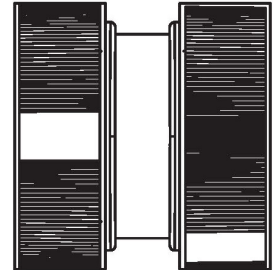
These buttons allow you to change the Octave of the selected Part as well as shift the musical key of the entire instrument. This is explained in more detail in the [SPECIAL PERFORMANCE FEATURES](#) chapter of this Guide starting on page 456.

◆ Pitch Bend & Modulation Wheels

The Pitch Bend Wheel is located to the extreme left of the Keyboard. With it, you can adjust the pitch range plus 12 half steps or minus 24 half-steps.

The Modulation Wheel is located just to the right of the Pitch Bend Wheel. It has several functions that can be selected:

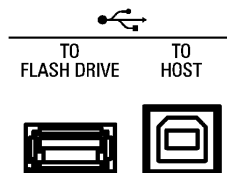
1. Send MIDI modulation data to a connected MIDI device.
2. Control the Overdrive Level.
3. Control Leslie rotor speeds.



NOTE: For more information about the Pitch Bend and Modulation Wheel features, see the [SPECIAL PERFORMANCE FEATURES](#) chapter of this Guide as well as the chapters describing the Voice Sections.

Moving either control forward (away from you) will increase the intensity of the corresponding control. Moving either control downward (toward you) will decrease the corresponding control's level.

◆ USB Ports



The [USB Ports](#) are located in the middle of the Accessory Panel.

◆ TO FLASH DRIVE

This Port is designed to accept a USB Flash Drive, which allows you to:

1. Save and Load Patches
2. Save and Load Custom Sets
3. Save and Load Setups,
4. Install software upgrades into the operating system,

For more information about the USB port, see [USING THE USB PORTS](#).

◆ TO HOST

This Port will do the following:

1. Send and Receive Setup and System files.
1. Send and Receive MIDI data (UPPER, LOWER, PEDAL Internal Zones and System Exclusive messages).

NOTE: The SK PRO is compliant with USB AUDIO Class 1.0, the generic device driver which comes pre-installed on both PC and Mac computers. This means you can use the USB TO HOST Port to connect the SK PRO to a computer and transmit and receive a MIDI data stream without an exclusive device driver.

◆ Playing the instrument



Although the SK PRO is a single-keyboard instrument, it can be made to function in a manner similar to an instrument with two keyboards and a pedal keyboard, such as an organ. This is the reason for the references to UPPER, LOWER and PEDAL on the instrument.

On an organ, the UPPER Keyboard is usually used for the melody, and is played with the right hand. The LOWER Keyboard is usually used to provide accompaniment, or harmonic support for the melody and is played by the left hand. The PEDAL Keyboard, or clavier, is used to play the bass notes and is most commonly played by the left foot.

On the SK PRO, this playing style is replicated by partitioning or “splitting” the single 61-note keyboard into two parts. The part played by the right hand is referred to as the UPPER Keyboard or Part, while the part played by the left hand is referred to as the LOWER Keyboard or Part.

The SPLIT button, located on the left of the Control Panel, is used to divide the keyboard into UPPER and LOWER Parts. Normally, the third “C” key counting from the left on the keyboard marks the dividing point between the UPPER and LOWER Parts.



In addition, the 3PART ORGAN feature allows you instantly to convert the SK PRO into a vintage Hammond Organ with UPPER, LOWER and PEDAL Parts automatically assigned. For more information about the 3PART ORGAN feature, see the 3PART ORGAN chapter of this Guide.



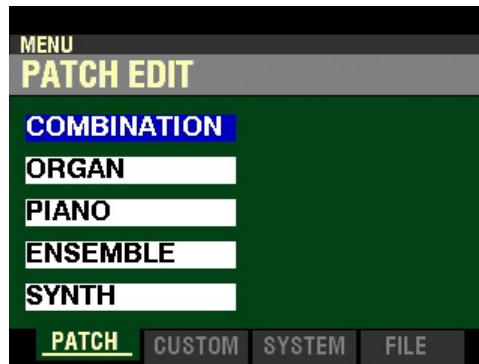
IMPORTANT NOTE: “C3” is the default Split point; however, you can relocate the Split point elsewhere on the Keyboard. This is explained in a later chapter of this Guide.

IMPORTANT - PLEASE READ

◆ POWER - AUTO OFF

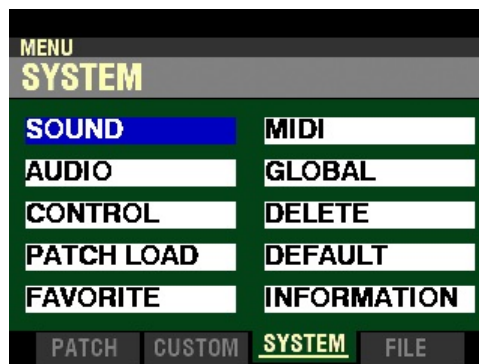
The SK PRO has a special feature called AUTO POWER OFF which automatically turns the power to the instrument “OFF” if no keys or buttons are pressed for 30 minutes. This is done for safety reasons and under most normal conditions we do not recommend disabling this feature; however, you can select whether or not the instrument will automatically turn “OFF” by doing the following procedure:

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



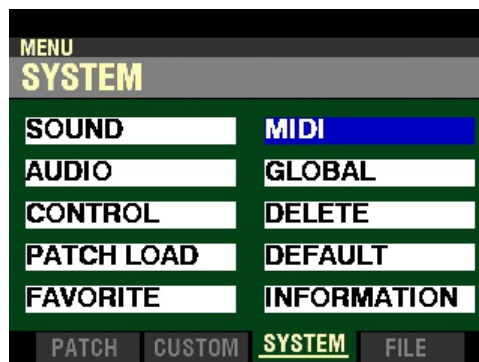
The “COMBINATION” box should be highlighted.

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

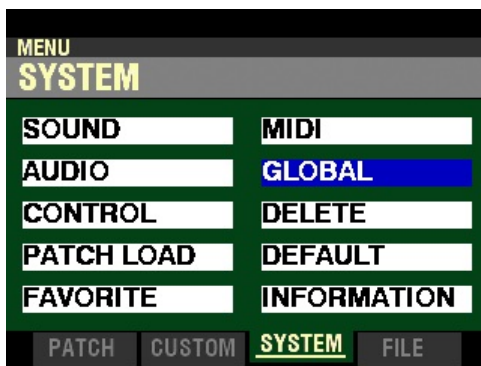


You are now in the SYSTEM Menu.

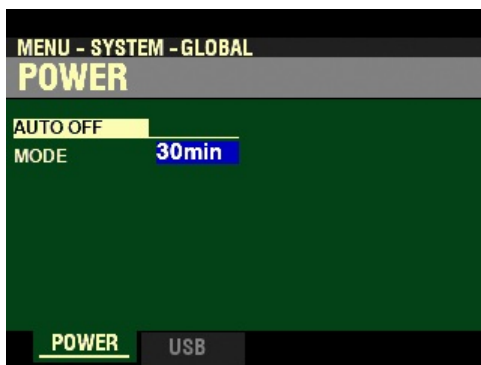
3. Press the DIRECTION “▶” button once. The Information Center Display should now look like this:



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:



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.

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