



HAMMOND

Model XE-1

PDF VERSION
PART 2

OWNER'S PLAYING GUIDE

PRESETS

<i>Rhythm Preset</i>	1	2	3	4	5	BANK
CANCEL	6	7	8	9	10	REC

PRESETS

The PRESET Touch Tabs (10 numbered tabs plus RECORD, BANK and CANCEL) located to the right of the Drawbars affect Drawbars and Voices for Upper and Lower Manuals and Pedals. The CANCEL Touch Tab will cancel any Preset. Each time a Preset is activated it will register a particular setting of the controls on the XE-1.

The PRESET Touch Tabs are used one at a time. Touching a PRESET Touch Tab while another is active cancels the previous combination and selects the new one.

When the Information Center Display is in the PLAY Mode and a Preset is activated, the Drawbar settings will change together with the names and volume settings of the Voices shown in the Information Center Display.

The Drawbar settings, Leslie, Vibrato, Percussion, Sustain and Volumes can be changed as you wish. However, if you touch another PRESET Touch Tab or the CANCEL Touch Tab, the settings you have changed will not be remembered. However, if you first Save the changes you have made, your changes will be remembered the next time you select that Preset.

NOTE: In addition to Drawbar and Touch Tab selection, you can include such things as Pan & Velocity settings. For a complete listing of Preset Parameters, consult the APPENDIX located at the back of this Guide.

♦ Preset Banks

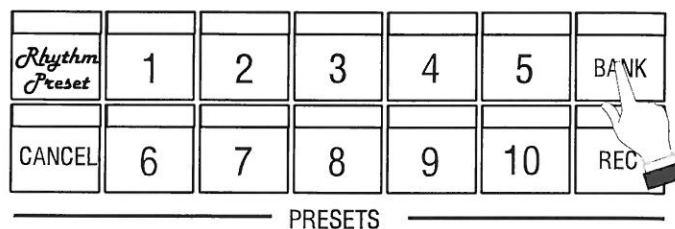
Each set of 10 combinations or Presets is called a Preset Bank. Your XE-1 contains 10 built-in Preset Banks, each containing 10 preset combinations, and each representing a different kind of music - Easy Listening, Jazz, Contemporary, Drawbars, Pop Organ, Classical Organ, etc.

Preset Bank Selection

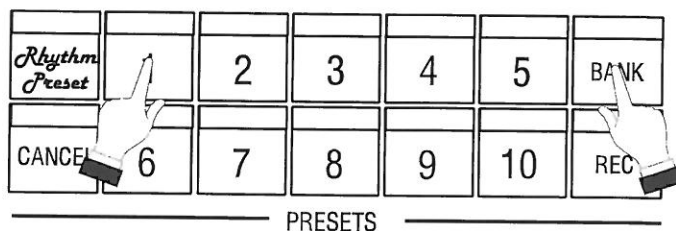
You may select any of the different Preset Banks to be activated from the PRESET Touch Tabs.

TRY THIS:

1. Touch and hold the BANK Touch Tab in the PRESETS section.



- While continuing to hold the BANK Touch Tab, touch any of the numbered Touch Tabs in the PRESET section; for example, number 1.



You have now selected Preset Bank 1. Touching and holding the BANK Touch Tab and selecting any of the numbered Touch Tabs will select the Preset Bank represented by the number you touched.

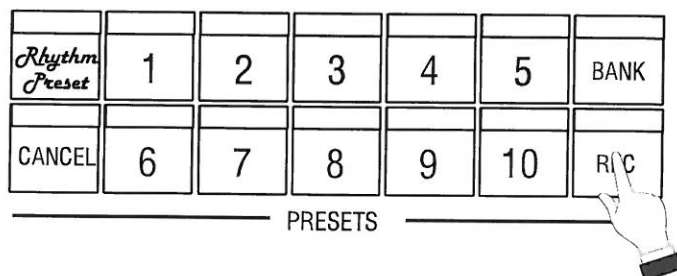
- Now try touching any of the numbered PRESET Touch Tabs and playing keys on the manual. You will the Presets in the bank you selected.

♦ Programming Your Own Presets

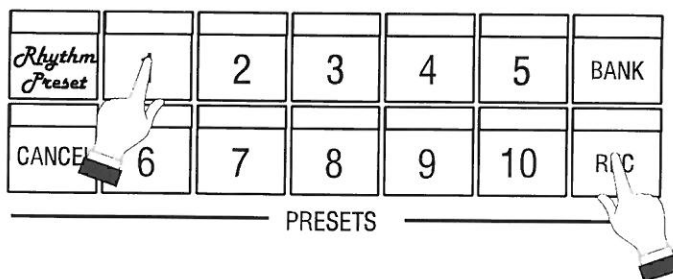
You can program the Presets with your own settings.

TRY THIS:

- Set up a registration. For this example, use Drawbars, Voices or both together.
- With your right hand, Touch and Hold the REC Touch Tab.



- Continue to hold the REC Touch Tab with your right hand. With your left hand, Touch one of the PRESET Touch Tabs; for example, number 1.



The LED of the Preset that you touched will flash several times, indicating that the information is being stored. Once the LED stops flashing, the Recording process is complete.

After combinations have been saved to the PRESET Touch Tabs, they can then be stored to a 3 1/2" Floppy Disk or a CompactFlash Card. This is covered in the USING THE SEQUENCER, DISK DRIVE & CompactFlash section of this Guide.

► COMBI. PRESET Edit Menu

There are two types of Presets on the XE-1 - Combination Presets and Rhythm Presets. The Combination Presets are the presets which are accessed using the ten numbered PRESET Touch Tabs. In the Information Center Display, the name "Combination Preset," is abbreviated as, "COMBI. PRESET." This Advanced Feature Menu allows you to change the characteristics of the Combination Presets.

Accessing the COMBI. PRESET Edit Menu using the MENU/EXIT Touch Button:

1. Touch the MENU/EXIT Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
2. Touch the PAGE UP Select Touch Button once. Page 2 of the MENU Mode will now display. You will now see "2/4" in the upper left corner of the Information Center Display.
3. Touch the Number 15 or Number 16 Select Touch Button. The words, "COMBI. PRESET" will now display at the top of the screen.

Accessing the COMBI. PRESET Edit Menu using the Shortcut:

Touch and hold the BANK Touch Tab. After approximately 1 second, the words, "COMBI. PRESET" will display at the top of the screen.

You are now in the COMBI. PRESET Edit Menu. You may now use the numbered Select Touch Buttons below the screen to make various changes to the Combination Presets. These changes are explained below.

COMBI. PRESET Edit Menu - Page 1



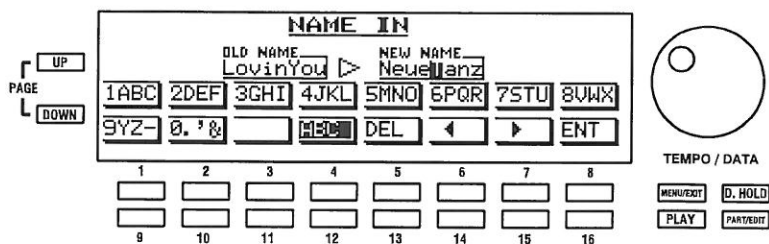
This Advanced Feature Menu Page allows you to select or rename Preset Banks.

Selecting a Preset Bank

Simply use the numbered Touch Buttons to scroll up or down the Bank listings shown in the Information Center Display.

Renaming a Preset Bank

1. Touch the Number 16 Touch Button. The Information Center Display will now look similar to this:



2. Use the numbered Touch Buttons to rename the Preset Bank. The current name will display in a box in the left part of the screen called "OLD NAME," while the new name will display in a box in the right part of the screen called "NEW NAME." The way the letters are displayed in the screen determines which numbered Touch Button you would use to make your choice. For example, use the Number 1 Touch Button to enter the characters, "1ABC," use the Number 2 Touch Button to enter the characters, "2DEF," etc.

Use the Number 11 Select Touch Button to enter a space.

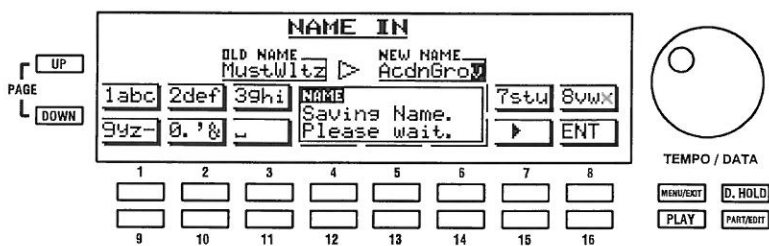
Use the Number 12 Select Touch Button to select upper- or lower-case letters. The letter boxes in the Information Center Display will show which type has been selected - "1ABC," or "1abc," for example.

Use the Number 13 Select Touch Button to delete a character.

Use the Number 14 and Number 15 Select Touch Buttons to scroll backward and forward through the characters.

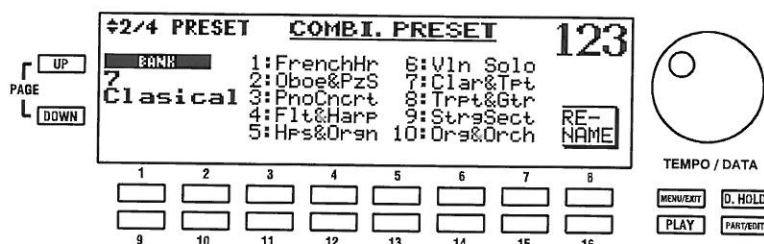
Use the Number 16 Select Touch Buttons to enter characters after you have selected them using the other numbered Touch Buttons.

3. After you have entered your name (up to 8 characters), touch the ENT (Number 16 Select Touch Button). A box will show in the Information Center Display, "Saving Name. Please wait."



When this box disappears and the screen returns to normal, your new Preset name is saved.

COMBI. PRESET Edit Menu - Page 2



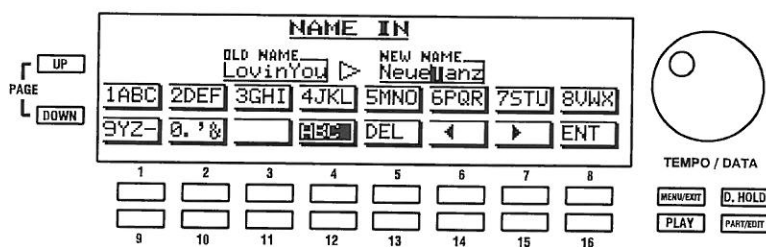
This Advanced Feature Menu Page allows you to select or rename individual Presets within a selected Bank.

Selecting a Preset

Simply use the numbered Touch Buttons to scroll up or down the Preset Name listings shown in the Information Center Display.

Renaming a Preset

1. Touch the Number 16 Touch Button. The Information Center Display will now look similar to this:



2. Use the numbered Touch Buttons to rename the Preset. The current name will display in a box in the left part of the screen called "OLD NAME," while the new name will display in a box in the right part of the screen called "NEW NAME." The way the letters are displayed in the screen determines which numbered Touch Button you would use to make your choice. For example, use the Number 1 Touch Button to enter the characters, "1ABC," use the Number 2 Touch Button to enter the characters, "2DEF," etc.

Use the Number 11 Select Touch Button to enter a space.

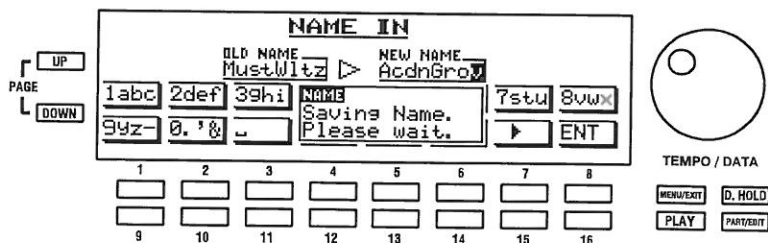
Use the Number 12 Select Touch Button to select upper- or lower-case letters. The letter boxes in the Information Center Display will show which type has been selected - "1ABC," or "1abc," for example.

Use the Number 13 Select Touch Button to delete a character.

Use the Number 14 and Number 15 Select Touch Buttons to scroll backward and forward through the characters.

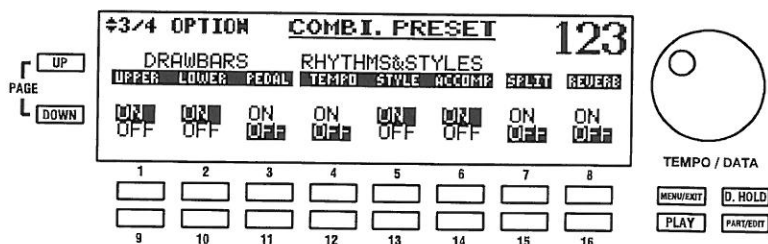
Use the Number 16 Select Touch Buttons to enter characters after you have selected them using the other numbered Touch Buttons.

3. After you have entered your name (up to 8 characters), touch the ENT (Number 16 Select Touch Button). A box will show in the Information Center Display, "Saving Name. Please wait."



When this box disappears and the screen returns to normal, your new Preset name is saved.

COMBI. PRESET Edit Menu - Page 3



Parameter ON/OFF Option

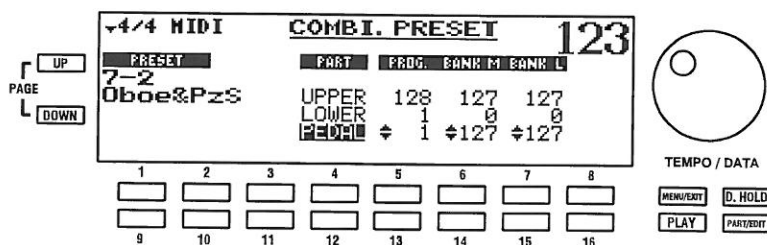
This Advanced Feature Menu Page allows you to select what will be remembered or selected as part of a Preset. You can have a Preset memorize Drawbar settings for Upper, Lower and Pedal, Rhythm Tempo, Rhythm selection, AUTOBAND (ACCOMP) selection, Keyboard Split and Reverb settings.

When a setting is "ON," touching a Preset will change its parameters. When a setting is "OFF," the chosen parameter(s) will remain the same whether or not a Preset is selected.

Use the top row of numbered Select Touch Buttons (Numbers 1, 2, 3, 4, 5, 6, 7 and 8) to turn a function "ON" so that a Preset will remember it.

Use the bottom row of numbered Select Touch Buttons (Numbers 9, 10, 11, 12, 13, 14, 15 and 16) to turn a function "OFF" so that selecting Presets will not change it.

COMBI. PRESET Edit Menu - Page 4



MIDI Program Number Send

A Preset can also transmit MIDI Program Number data to a connected MIDI instrument. This Advanced Feature Menu Page allows you to select the Program Number for both Upper, Lower and Pedals. These messages - Bank select and Program change - are sent from KEYBOARD channels (see MIDI Menu for details).

Use the Number 4 Select Touch Button to scroll up through the Part settings. The selected Part will be highlighted.

Use the Number 12 Select Touch Button to scroll down through the Part settings.

Use the Number 5 Select Touch Button to scroll up through the Program Numbers. You can select from "1" through "128."

Use the Number 13 Select Touch Button to scroll down through the Program Numbers.

Use the Number 6 Select Touch Button to scroll up through the numbers for the Most Significant Bit (MSB) of the Bank number.

Use the Number 14 Select Touch Button to scroll down through the numbers for the MSB of the Bank number.

Use the Number 7 Select Touch Button to scroll up through the numbers for the Least Significant Bit (LSB) of the Bank number.

Use the Number 15 Select Touch Button to scroll down through the numbers for the LSB of the Bank number.

♦ RHYTHM PRESET

The RHYTHM PRESET feature allows you to choose a pre-programmed registration for each Rhythm. To use this feature, simply touch the RHYTHM PRESET Touch Tab "ON". The red LED will light.

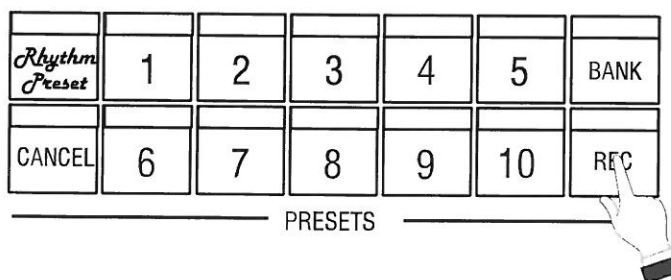


When the RHYTHM PRESET Touch Tab is "ON," each time you select a different Rhythm, you will hear the voices change. In this way, you can have an appropriate setting for playing your melodies along with the Rhythms and/or Styles.

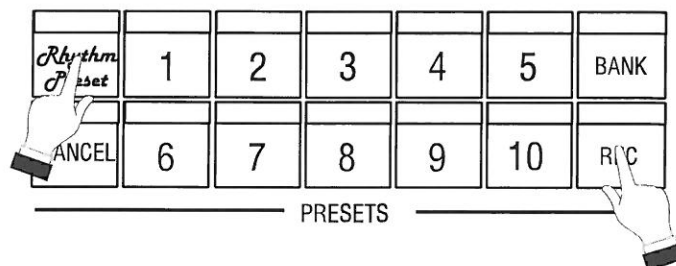
Programming Your Own Rhythm Presets

You can program your own settings into each Rhythm. To do this:

1. Select the Rhythm you want and touch the RHYTHM PRESET Touch Tab so that the red LED lights.
2. Set up the XE-1 with whatever Voices or Drawbar registrations you wish.
3. After you are finished registering your XE-1, touch and hold the REC Touch Tab in the PRESETS Touch Tab group.

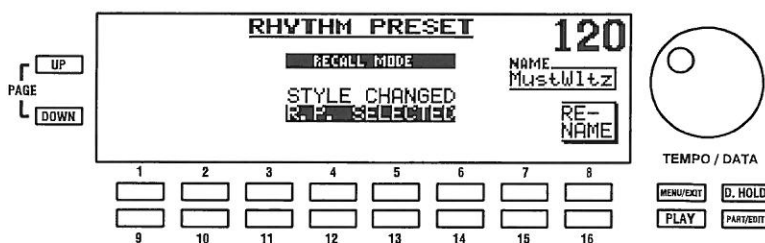


- While holding the REC Touch Tab, touch the RHYTHM PRESET Touch Tab.



- Release both Touch Tabs you are holding. The red LED of the RHYTHM PRESET Touch Tab will flash several times. When it is finished flashing, your new Rhythm Preset setting has been saved.

► RHYTHM PRESET Edit Menu



This Advanced Feature Menu allows you to select how the RHYTHM PRESET feature functions, as well as to rename a Rhythm Preset.

Accessing the RHYTHM PRESET Edit Menu using the MENU/EXIT Touch Button:

- Touch the MENU/EXIT Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
- Touch the PAGE UP Select Touch Button two times. Page 3 of the MENU Mode will now display. You will now see "3/4" in the upper left corner of the Information Center Display.
- Touch the Number 15 or Number 16 Select Touch Button. The words, "RHYTHM PRESET" will now display at the top of the screen.

Accessing the RHYTHM PRESET Edit Menu using the Shortcut:

Touch and hold the RHYTHM PRESET Touch Tab. After approximately 1 second, the words, "RHYTHM PRESET" will display at the top of the screen.

You are now in the RHYTHM PRESET Edit Menu. You may now use the numbered Select Touch Buttons below the screen to make various changes to the RHYTHM PRESET function. These changes are explained starting below.

Recall Mode

This Advanced Feature allows you to select how you want the RHYTHM PRESET to function. You can select either "STYLE CHANGED (the RHYTHM PRESET will change each time a new Rhythm/Style is selected) or "R.P.SELECTED (the RHYTHM PRESET will only change if the RHYTHM PRESET Touch Tab is selected - changing Rhythms will not change the RHYTHM PRESET registration).

EFFECTS

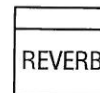
Your XE-1 has the effects of Reverb and SES/EQ (Sound Enhancement System/Equalization), which will enhance the overall sound of your XE-1.

♦ REVERB

Using REVERB adds the beautiful concert hall effect to all voices when you are playing and counteracts the "deadening" effect of the carpets, drapes and the furniture in your home.

REVERB Touch Tab

Touching this Touch Tab "ON" (red LED lit) will turn on the Reverb effect. The amount and type of REVERB are determined by the settings in the REVERB Edit Menu, which is explained below.



► REVERB Edit Menu

This Advanced Feature Menu allows you to select how the REVERB performs.

Accessing the REVERB Edit Menu using the MENU/EXIT Touch Button:

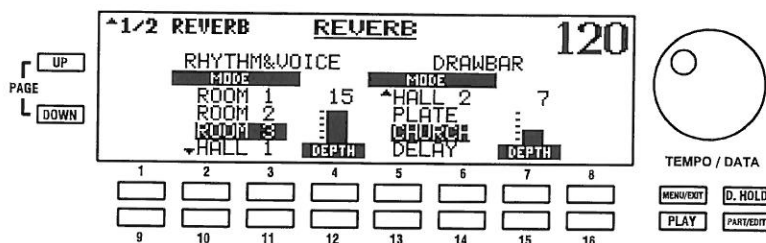
1. Touch the gray MENU/EXIT Select Touch Button to display Page 1 of the MENU Mode.
2. Touch the Number 1 or Number 2 Select Touch Button. The word, "REVERB," will now display at the top of the screen.

Accessing the REVERB Edit Menu using the Shortcut:

Touch and hold The REVERB Touch Tab. After approximately 1 second, the word, "REVERB," will display at the top of the screen.

You are now in the REVERB Edit Menu. You may now use the numbered Select Touch Buttons below the screen to change the Reverb.

REVERB Edit Menu - Page 1



Rhythm & Voice Reverb Type

This Advanced Feature allows you to select the type of Reverb that you prefer for the Rhythms and Voices.

Use the Number 2 or Number 3 Select Touch Button to scroll up through the selections.

Use the Number 10 or Number 11 Select Touch Button to scroll down through the selections.

Rhythm & Voice Reverb Level

This Advanced Feature allows you to select the amount of Reverb that you prefer for the Rhythms and Voices.

Use the Number 4 Select Touch Button to increase the amount of Reverb.

Use the Number 12 Select Touch Button to scroll decrease the amount of Reverb.

Drawbar Reverb Type

This Advanced Feature allows you to select the type of Reverb that you prefer for the Drawbars.

Use the Number 5 or Number 6 Select Touch Button to scroll up through the selections.

Use the Number 13 or Number 14 Select Touch Button to scroll down through the selections.

Drawbar Reverb Level

This Advanced Feature allows you to select the amount of Reverb that you prefer for the Drawbars.

Use the Number 7 Select Touch Button to increase the amount of Reverb.

Use the Number 15 Select Touch Button to decrease the amount of Reverb.

► REVERB MIXER Menu

This Advanced Feature Menu allows you to select the amount of Reverb you want for the individual Parts of the different Voice Sections of the instrument.

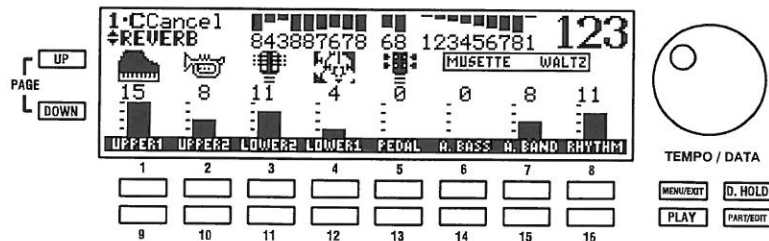
NOTE: This Advanced Feature Menu has no Shortcut. It is accessible only via the PLAY and PART Touch Buttons.

Accessing the REVERB MIXER Menu:

1. Touch the PLAY Select Touch Button repeatedly until Page 1 of the MIXER Mode displays. Refer to the INFORMATION CENTER DISPLAY section of this Guide for more information about MIXER Mode.
2. Touch the PAGE UP Select Touch Button three times. Page 1 of the REVERB MIXER Menu will now display.

You are now in the REVERB MIXER Menu. You may now use the numbered Select Touch Buttons below the screen to control the Reverb of different divisions. These changes are explained starting on the next page.

REVERB MIXER Menu (Page 1)



Use the numbered Touch Buttons to control the Reverb of the designated Voice group. The top row of numbered Select Touch Buttons (Numbers 1, 2, 3, 4, 5, 6, 7 and 8) will increase the amount, while the bottom row of numbered Select Touch Buttons (Numbers 9, 10, 11, 12, 13, 14, 15 and 16) will decrease the amount. For example, use the Number 1 and Number 2 Touch Buttons to control the Reverb of the UPPER 1 Voice, the Number 3 and Number 4 Touch Buttons to control the Reverb of the UPPER 2 Voice, etc.

NOTE: The Voice designations (UPPER 1, UPPER 2, LOWER 2, etc.) are explained in further detail under VOICE SECTION starting on page 35.

Use the PART Select Touch Button to select different divisions for which you can control the Reverb. Touching the PART Select Touch Button once from Page 1 will advance you to Page 2. Touching it again will show Page 3, and touching it again will show Page 4. Touching the PART Touch Button while Page 4 is displaying will cause Page 1 to display again.

♦ SES/EQ

SES (Sound Expansion System) and EQ (Equalization) allow you to tailor the specific acoustic characteristics of the XE-1 to create the type of sound you want.

SES/EQ Touch Tab

This Touch Tab allows you to turn the SES effect “ON” or “OFF,” and to “shortcut” to the SES/EQ Edit Menu, which is explained starting below.



► SES/EQ Edit Menu

This Advanced Feature Menu allows you to see the type of sound that will be added by the SES/EQ Touch Tab.

Accessing the SES/EQ Edit Menu using the MENU/EXIT Touch Button:

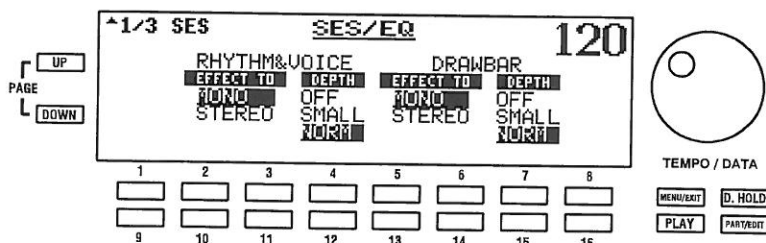
1. Touch the gray MENU/EXIT Select Touch Button to see the various Menu choices.
2. Touch the Number 9 or Number 10 Select Touch Button. The word, “SES/EQ,” will now display at the top of the screen.

Accessing the SES/EQ Edit Menu using the Shortcut:

Touch and hold the SES/EQ Touch Tab. After approximately 1 second, the word, “SES/EQ,” will display at the top of the screen.

You are now in the SES/EQ Edit Menu. You may now use the numbered Select Touch Buttons below the screen to make various changes to the SES/EQ. These changes are explained starting on the next page.

SES/EQ Edit Menu - Page 1



This Advanced Feature Menu Page allows you to control the type and amount of Sound Expansion for Rhythms/Voices and Drawbars separately. This allows you to, for example, select Sound Expansion for the Rhythms and Voices but not for the Drawbars, or vice versa. In this way, you can control the acoustic characteristics of each sound division to your preference.

SES Stereo / Mono Select

This Advanced Feature allows you to select the type of Sound Expansion that will be added to the Rhythms and Voices when the SES/EQ Touch Tab is "ON" (red LED lit). You can select "STEREO" (an expanded "3D" effect) or "MONO" (an expansion to the sound which is monaural, or single-channel). In addition, you can select STEREO or MONO for the Rhythms/Voices and Drawbars separately.

Use the Number 2 or Number 3 Select Touch Button to select STEREO for the Rhythms and Voices.

Use the Number 10 or Number 11 Select Touch Button to select MONO for the Rhythms and Voices.

Use the Number 5 or Number 6 Select Touch Button to select STEREO for the Drawbars.

Use the Number 13 or Number 14 Select Touch Button to select MONO for the Drawbars.

SES Effect Depth

This Advanced Feature allows you to select the amount of Sound Expansion that you prefer.

Use the Number 4 Select Touch Button to increase the amount for the Rhythms and Voices.

Use the Number 12 Select Touch Button to decrease the amount for the Rhythms and Voices.

Use the Number 7 Select Touch Button to increase the amount for the Drawbars.

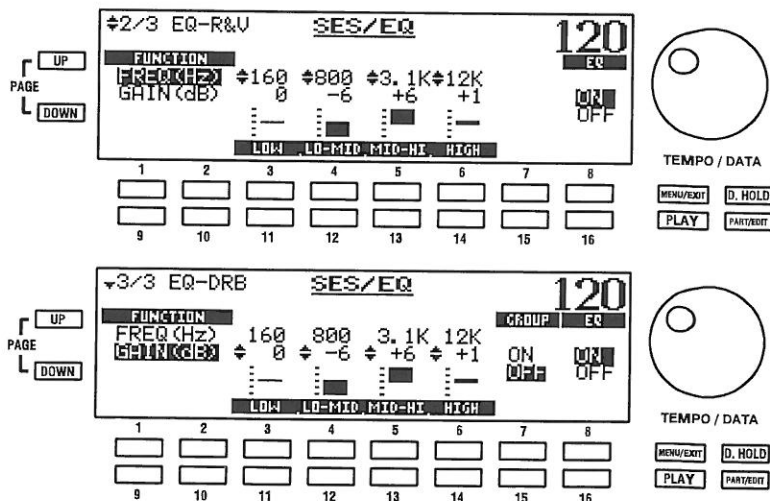
Use the Number 15 Select Touch Button to decrease the amount for the Drawbars.

Before going on to Page 2 of the SES/EQ Menu, it is helpful to know something about "Equalization."

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 portion of the SES/EQ feature of your Hammond XE-1 has this capability. The Equalizer section is controlled from Pages 2 and 3 of the SES/EQ Menu, which is explained starting below.

SES/EQ Edit Menu - Pages 2 and 3



These Advanced Feature Menu Pages allow you to control the Equalization. Page 2 controls the Rhythms and Voices, while Page 3 controls the Drawbars. Use the PAGE UP and PAGE DOWN Buttons to move between these Pages.

EQ Function

In the middle of the screen, you will see four adjustments marked “LOW” “LO-MID” “MID-HI” and “HIGH.” These can be made to adjust the FREQuency (the center or base frequency of that particular frequency band.) Or the GAIN (the level or amount of emphasis you want to give that particular frequency band).

Use the Number 1 or Number 2 Select Touch Button to select FREQ.

Use the Number 9 or Number 10 Select Touch Button to select GAIN.

When “FREQ” is selected, the four adjustments in the center of the screen will control the center frequency of the “LOW” “LO-MID” “MID-HI” and “HIGH” frequency bands.

Use the Number 3, 4, 5, or 6 Select Touch Button to increase each Frequency.

Use the Number 11, 12, 13, or 14 Select Touch Buttons to decrease each Frequency.

When “GAIN” is selected, the four adjustments in the center of the screen will control the level of the “LOW” “LO-MID” “MID-HI” and “HIGH” frequency bands.

Use the Number 3, 4, 5, or 6 Select Touch Button to increase the levels.

Use the Number 11, 12, 13, or 14 Select Touch Buttons to decrease the levels.

EQ Group

This Advanced Feature allows you to use Page 2 of the SES/EQ Edit Menu to control the EQ settings for both Rhythms/Voices and Drawbars. When this feature is “OFF,” which is its normal setting, Page 3 works normally to allow you to control the EQ settings for the Drawbars. When this feature is “ON,” touching the numbered Select Touch Buttons below the adjustments on Page 3 will have no effect. Page 2 will then control the EQ for all divisions.

Use the Number 7 Select Touch Button to turn EQ Group “ON.”

Use the Number 15 Select Touch Button to turn EQ Group “OFF.”

EQ ON/OFF

Pages 2 and 3 of the SES/EQ Edit Menu also have ON/OFF settings for the EQ. These allow you to turn EQ “ON” or “OFF” separately for Rhythms/Voices and Drawbars.

Use the Number 8 Select Touch Button to turn EQ “ON.”

Use the Number 16 Select Touch Button to turn EQ “OFF.”

NOTE: When EQ Group is “ON,” the ON/OFF setting for the EQ is controlled only by Page 2.

SPECIAL PERFORMANCE FEATURES

◆ TRANSPOSE (Key Select)

Using these Touch Tabs, located immediately to the left of the Drawbars, you can 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 from the center position. The TRANSPOSE feature consists of two separate Touch Tabs. The upper one is for ascending transposition and the lower one is for descending transposition.

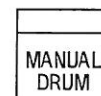


If you touch the descending Touch Tab once, the LED will light, lowering the pitch (tune) or the entire instrument a semitone (half tone). At the same time, if the Information Center Display is in the PLAY Mode, the upper left-hand corner shows "Xp=-1". Each time that you touch the TRANSPOSE Down Touch Tab, the display will change showing each step down.

If you touch the TRANSPOSE Up Touch Button once, from the center point (no LED lighted), then the display will show "Xp=+1".

◆ MANUAL DRUM

This feature allows you to play the drum sounds, or the rhythm yourself, in real time on the Lower Manual or Pedals. You can even use the MANUAL DRUM feature while rhythms are in use; the basic rhythm pattern will play while your playing will be heard on top. To use this feature, simply touch the MANUAL DRUM Touch Tab. The red LED will light.



► MANUAL DRUM Edit Menu



This Advanced Feature Menu allows you to make various changes to the characteristics of the MANUAL DRUM feature of the XE-1.

Accessing the MANUAL DRUM Edit Menu using the MENU/EXIT Touch Button:

1. From any of the PLAY Mode Pages, touch the MENU/EXIT Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
2. Touch the PAGE UP Select Touch Button two times. Page 3 of the MENU Mode will now display. You will now see "3/4" in the upper left corner of the Information Center Display.
3. Touch the Number 13 or Number 14 Select Touch Button. The words, "MANUAL DRUM," will now display at the top of the screen.

Accessing the MANUAL DRUM Edit Menu using the Shortcut:

Touch and hold the MANUAL DRUM Touch Tab. After approximately 1 second, the words, "MANUAL DRUM EDIT," will display at the top of the screen.

You are now in the MANUAL DRUM Edit Menu. You may now use the numbered Select Touch Buttons below the screen to make various changes to the MANUAL DRUM feature. These changes are explained below.

Lower ON/OFF

Use the Number 1 Select Touch Button to turn MANUAL DRUM "ON" for the Lower Manual.

Use the Number 9 Select Touch Button to turn MANUAL DRUM "OFF" for the Lower Manual.

Pedal ON/OFF

Use the Number 2 Select Touch Button to turn MANUAL DRUM "ON" for the Pedals.

Use the Number 10 Select Touch Button to turn MANUAL DRUM "OFF" for the Pedals.

Lower Drum Voice

Use the Number 3 or Number 4 Select Touch Button to scroll up through the choices for the Lower Manual.

Use the Number 11 or Number 12 Select Touch Button to scroll down through the choices for the Lower Manual.

Pedal Drum Voice

Use the Number 5 or Number 6 Select Touch Button to scroll up through the choices for the Pedals.

Use the Number 13 or Number 14 Select Touch Button to scroll down through the choices for the Pedals.

Volume

Use the Number 8 Select Touch Button to increase the volume of the MANUAL DRUM.

Use the Number 16 Select Touch Button to decrease the volume of the MANUAL DRUM.

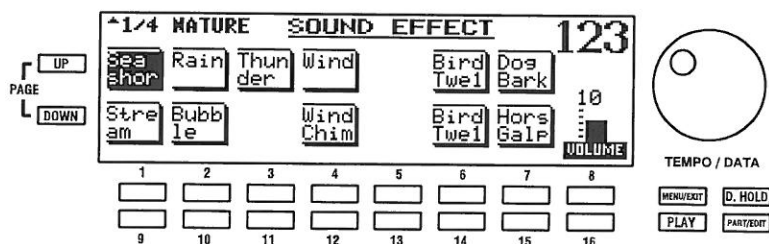
◆ SOUND EFFECT

This feature allows you to add sound effects to your playing. To use this feature, simply touch the SOUND EFFECT Touch Tab. The red LED will light.

SOUND
EFFECT

NOTE: Some of the Sound Effects are continuous, such as Seashore, Rain, etc., while others, such as Dog Bark, Scratch, etc., are momentary. If a continuous Sound Effect is selected, the LED of the SOUND EFFECT Touch Tab will turn "ON" and light continuously until you touch it again to turn it "OFF." If a momentary Sound Effect is selected, the LED of the SOUND EFFECT Touch Tab will turn "ON," then "OFF" as soon as the Sound Effect completes.

► SOUND EFFECT Voice Menu



This Voice Menu allows you to select the sound produced by the SOUND EFFECT Touch Tab.

NOTE: This Advanced Feature Menu is only accessible via Shortcut.

Accessing the SOUND EFFECT Voice Menu:

1. Touch and hold the SOUND EFFECT Touch Tab. After approximately 1 second, the words, "SOUND EFFECT" will display at the top of the screen. The currently selected voice will be highlighted.

The Sound Effect Voice Menu has 4 Pages. You may use the PAGE UP and PAGE DOWN Touch Buttons to select which Page you want.

Use the PAGE UP Select Touch Button to scroll up through the Voice Pages.

Use the PAGE DOWN Select Touch Button to scroll down through the Voice Pages.

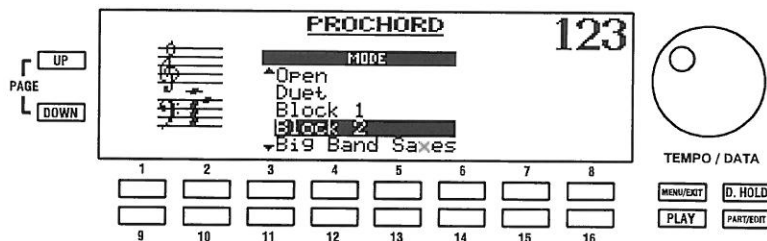
The voices on the screen are arranged in a pattern corresponding to that of the numbered Touch Buttons. Use the numbered Select Touch Buttons below the screen to select the SOUND EFFECT that you prefer. When you make your selection, the voice you choose will be highlighted.

◆ PROCHORD

When selected, PROCHORD will add a professionally arranged harmony to single note melodies played on the Upper Manual. The harmonization of the Upper Manual melody is determined by which one-finger chord or multi-fingered chord is played on the Lower Manual.

Pro
Chord

► PROCHORD Edit Menu



This Advanced Feature Menu allows you to make various changes to the characteristics of the PROCHORD feature of the instrument.

Accessing the PROCHORD Edit Menu using the MENU/EXIT Touch Button:

1. Touch the MENU/EXIT Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button once. Page 2 of the MENU Mode will now display. You will now see "2/4" in the upper left corner of the Information Center Display.
2. Touch the Number 13 or Number 14 Select Touch Button. The word, "PROCHORD," will now display at the top of the screen.

Accessing the PROCHORD Edit Menu using the Shortcut:

Touch and hold the PROCHORD Touch Tab. After approximately 1 second, the word, "PROCHORD," will display at the top of the screen.

You are now in the PROCHORD Edit Menu. You may now use the numbered Select Touch Buttons below the screen to make various changes to the PROCHORD. These changes are explained below.

Mode

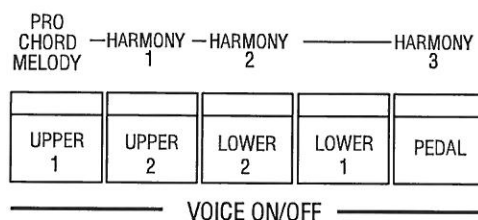
This Advanced Feature allows you to select the PROCHORD pattern that will play when the PROCHORD Touch Tab is selected.

Use the Number 3, Number 4 or Number 5 Select Touch Button to scroll up through the selections.

Use the Number 11, Number 12 or Number 13 Select Touch Button to scroll down through the selections.

PROCHORD Part Selection

As explained previously, there are five Touch Tabs in a group marked VOICE ON/OFF. Normally, these Touch Tabs turn Voices from the VOICE Section “ON” or “OFF.” However, when PROCHORD is selected, you can use these same Touch Tabs to turn “ON” or “OFF” the individual parts of a PROCHORD harmony arrangement.



Notice the legends above each Touch Tab, “MELODY,” HARMONY 1,” etc. These refer to the portions of the PROCHORD harmony affected by each Touch Tab - for example, turning the HARMONY 1 Touch Tab “OFF” will silence the first note of the PROCHORD harmony, turning the HARMONY 2 Touch Tab “OFF” will silence the second note of the PROCHORD harmony, etc. These Touch Tabs will work in different ways depending on how many parts a PROCHORD arrangement has - for example, since the Duet pattern has only two voices, MELODY and HARMONY 1. HARMONY 2 and HARMONY 3 are masked voices. To appear HARMONY 2 and HARMONY 3, turn on the Touch Tabs. PROCHORD patterns having all four components, each of the Touch Tabs will control a specific part of the pattern, and the change will be audible whenever a Touch Tabs is turned “ON” or “OFF”.

NOTE: This feature will work on all the PROCHORD patterns except Open and Closed.

PROCHORD Voice Selection

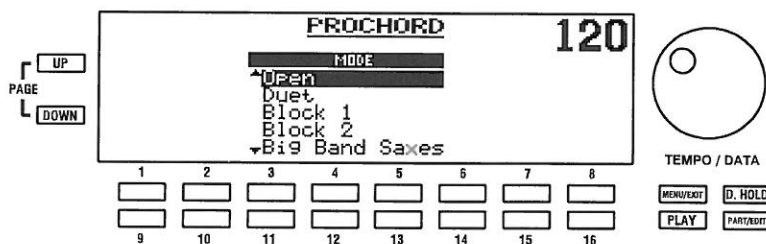
You can use the VOICE SETUP Touch Tabs to assign Voices to the different parts of a PROCHORD pattern.

TRY THIS:

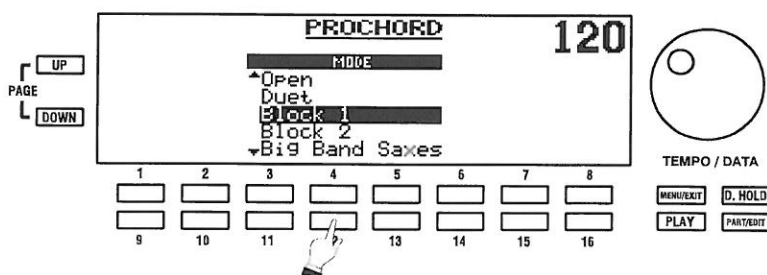
1. Turn all Touch Tabs “OFF.”

NOTE: Remember that one Touch Tab in the RHYTHMS & STYLES, RHYTHM VARIATIONS, VOICE, VOICE SETUP and PRESETS Sections will always remain “ON.”

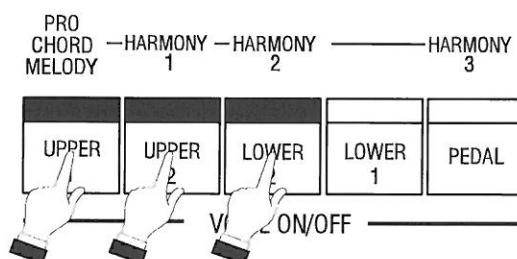
2. Touch and Hold the PROCHORD Touch Tab. The PROCHORD Edit Menu will now appear:



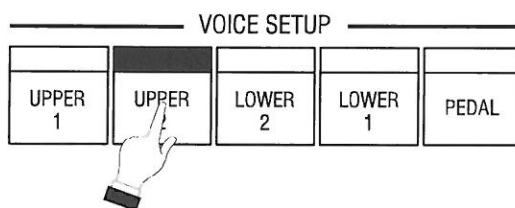
3. Use the Number 11, Number 12 or Number 13 Select Touch Tabs to scroll down the Mode choices until **BLOCK 1** is selected:



4. If the UPPER 1, UPPER 2 and LOWER 2 Touch Tabs in the VOICE ON/OFF Touch Tab group are not "ON" (red LED lit), touch them to turn them "ON."

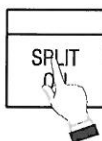


5. If the UPPER 2 Touch Tab in the VOICE SETUP Touch Tab group is not "ON," (red LED lit), touch it to turn it on.



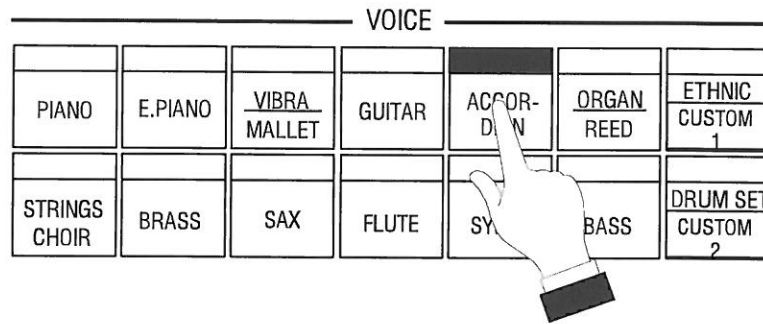
With the above Touch Tabs "ON," any changes to the sound using the VOICE Touch Tabs will be made to the HARMONY 1 section.

6. For this example, also turn the SPLIT ON Touch Tab "ON" (LED lit).



7. Hold a chord with your left hand on the Lower Manual (left of split) and play some notes on the Upper Manual. You will hear the BLOCK 1 PROCHORD pattern. For this pattern, the MELODY Voice is played by Vibes, the HARMONY 1 Voice is Grand Piano and HARMONY 2 is a Jazz Guitar.

8. Since the UPPER 2 Touch Tab is "ON," the PIANO Touch Tab in the VOICE Touch Tab group should now be "ON." Touch the ACCORDION Touch Tab in the VOICE Touch Tab group.



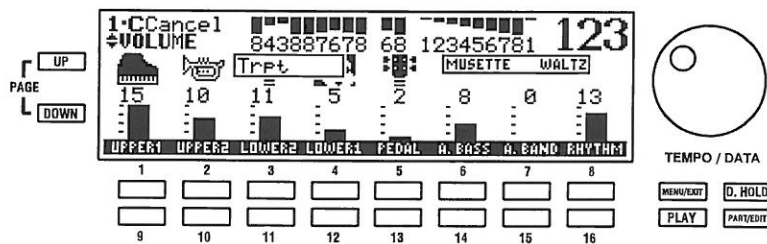
9. Now hold a chord with your left hand on the Lower Manual (left of split) and play some notes on the Upper Manual. You will hear the BLOCK 1 PROCHORD pattern as before, only now the HARMONY 1 Voice is an Accordion.

► PROCHORD MIXER

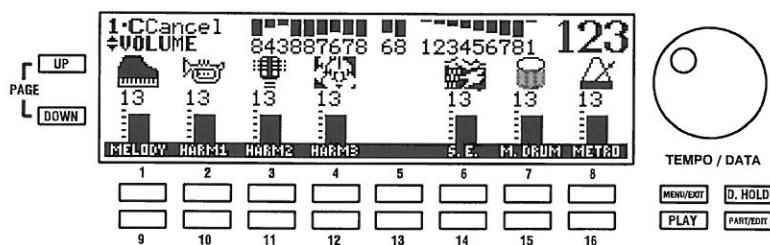
As explained elsewhere in this Guide, there are three Modes for the Information Center Display - PLAY Mode, MIXER Mode and MENU Mode. Page 2 of the MIXER Mode allows you to control the Volume of the different parts of each PROCHORD arrangement (except Open and Closed).

TRY THIS:

1. Touch the PLAY Touch Button repeatedly until the Information Center Display shows the following:



2. Touch the PART/EDIT Touch Button once. The Information Center Display should now look like this:



Notice the legends, "MELODY" "HARM1" "HARM2" and "HARM3." These refer to the different parts of PROCHORD patterns. You can now use the numbered Touch Buttons to control the volume of each of these parts.

Use the Number 1, 2, 3, or 4 Select Touch Button to increase the Volume of the selected Voice.

Use the Number 9, 10, 11 or 12 Select Touch Button to decrease the Volume of the selected Voice.

NOTE: You can also use the PAGE UP and PAGE DOWN Touch Buttons to control the PAN, VELOCITY, REVERB and CHORUS of the PROCHORD Melody and Harmony Voices.

► **CONTROL Edit Menu**

As explained in the INTRODUCTION, the Pitch Bend and Modulation Wheels on your XE-1 allow you to transmit MIDI Controller information to a connected MIDI device. This Advanced Feature Menu allows you to select the parameters for the Control Center that you prefer using the MENU/EXIT Touch Button:

Accessing the CONTROL Edit Menu using the MENU/EXIT Touch Button:

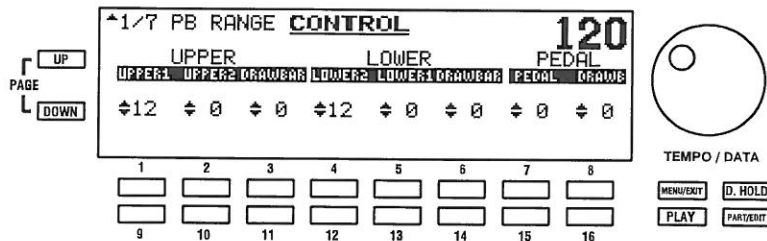
1. Touch the MENU/EXIT Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
2. Touch the PAGE UP Touch Button three times. Page 4 of the MENU Mode will now display. You will now see "4/4" in the upper left corner of the Information Center Display.
3. Touch the Number 5 or Number 6 Select Touch Button. The word, "CONTROL," will now display at the top of the screen.

Accessing the CONTROL Edit Menu using the Shortcut:

Touch the CONTROL Touch Tab. The word, "CONTROL," will display at the top of the screen.

You are now in the CONTROL Edit Menu. You may now use the numbered Select Touch Buttons below the screen to. These changes are explained below.

CONTROL Edit Menu - Page 1



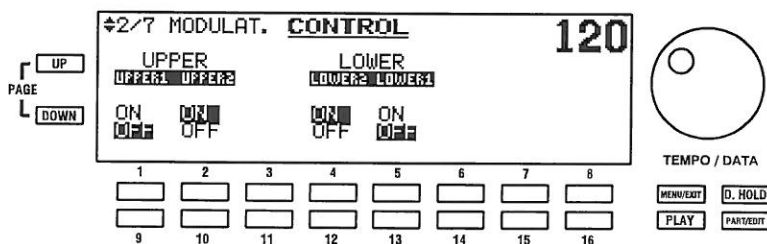
Bend Range

This Advanced Feature Menu Page allows you to set the range of the Pitch Bend Wheel for Upper and Lower Manuals and Pedals. You can select from "0" (no Pitch Bend) to "12" (twelve half-steps or a full octave).

Use the top row of numbered Select Touch Buttons (Numbers 1, 2, 3, 4, 5, 6, 7 and 8) to increase the Pitch Bend range for the selected Voice.

Use the bottom row of numbered Select Touch Buttons (Numbers 9, 10, 11, 12, 13, 14, 15 and 16) to decrease the Pitch Bend range for the selected Voice.

CONTROL Edit Menu - Page 2



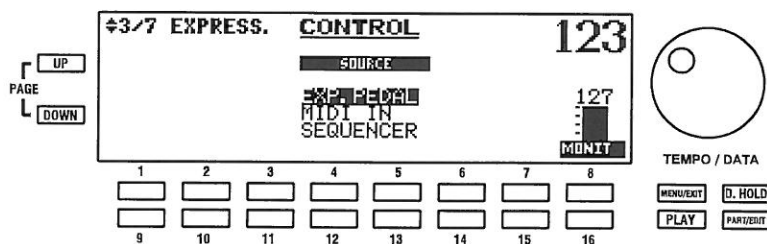
Modulation Wheel

From Page 1 of the CONTROL Edit Menu, touch the PAGE UP Select Touch Button to display Page 2. This Advanced Feature Menu Page allows you to select whether the Modulation Wheel will add modulation to each Voice group.

Use the Number 1, Number 2, Number 4 or Number 5 Select Touch Button to turn Modulation "ON" (moving the Modulation Wheel adds modulation) for UPPER 1, UPPER 2, LOWER 2 or LOWER 1 respectively.

Use the Number 9, Number 10, Number 12 or Number 13 Select Touch Button to turn the Modulation Wheel "OFF" (moving the Modulation Wheel has no effect) for UPPER 1, UPPER 2, LOWER 2 or LOWER 1 respectively.

CONTROL Edit Menu - Page 3



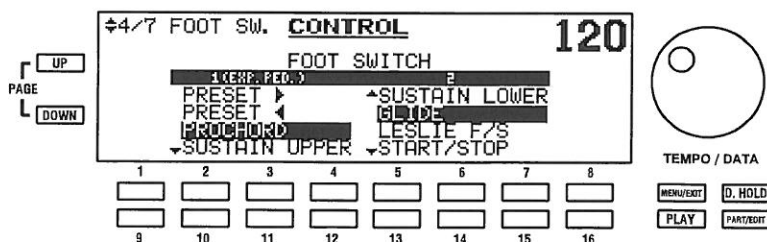
Expression Source

From Page 2 of the CONTROL Edit Menu, touch the PAGE UP Select Touch Button to display Page 3. This Advanced Feature Menu Page allows you to choose how the volume of the XE-1 will be controlled. You can select “EXP.PEDAL” (the XE-1 volume will be controlled by an Expression Pedal plugged into the EXP PEDAL jack), “MIDI IN” (the XE-1 volume will be controlled by an external MIDI device transmitting Volume or Expression data) or “SEQUENCER” (the XE-1 volume will be controlled by Volume or Expression data as part of a Song or Sequence played by the XE-1's internal Sequencer).

Use the Number 3 Select Touch Button to scroll up through the choices.

Use the Number 11 Select Touch Button to scroll down through the choices.

CONTROL Edit Menu - Page 4



From Page 3 of the CONTROL Edit Menu, touch the PAGE UP Select Touch Button to display Page 4. This Advanced Feature Menu Page allows you to select different functions for Foot Switches.

Foot Switch Functions

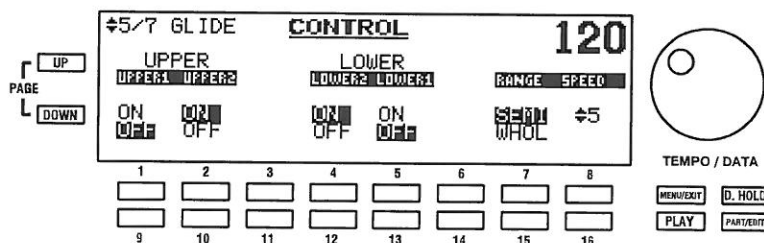
Use the Number 2, Number 3 or Number 4 Select Touch Button to scroll up through the choices for Foot Switch 1, which is the side switch on a Hammond EXP-100F Expression Pedal.

Use the Number 10, Number 11 or Number 12 Select Touch Button to scroll down through the choices for Foot Switch 1.

Use the Number 5, Number 6 or Number 7 Select Touch Button to scroll up through the choices for Foot Switch 2, which is a foot switch plugged into the FOOT SW. jack on the Accessory Panel of the XE-1.

Use the Number 13, Number 14 or Number 15 Select Touch Button to scroll down through the choices for Foot Switch 2.

CONTROL Edit Menu - Page 5



Glide Functions

From Page 4 of the CONTROL Edit Menu, touch the PAGE UP Select Touch Button to display Page 5. This Advanced Feature Menu Page allows you to select the characteristics of the Glide function.

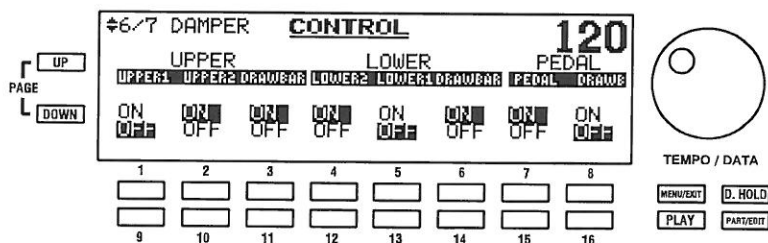
The word, “Glide,” is a term used to designate the ability to bend the pitch using a Foot Switch, either on the side of an Expression Pedal, or a separate Foot Switch. It is called “Glide” in order to differentiate it from “Pitch Bend,” which is bending the pitch by means of a wheel control.

NOTE: You will hear the effects of these settings **ONLY** if you have GLIDE selected as a Foot Switch function.

Use the Number 2, Number 3, Number 4 or Number 5 Select Touch Button to turn Glide “ON” separately for UPPER 1, UPPER 2, LOWER 2 and LOWER 1.

Use the Number 9, Number 10, Number 11 or Number 13 Select Touch Button to turn Glide “OFF” separately for UPPER 1, UPPER 2, LOWER 2 and LOWER 1.

CONTROL Edit Menu - Page 6



Damper Functions

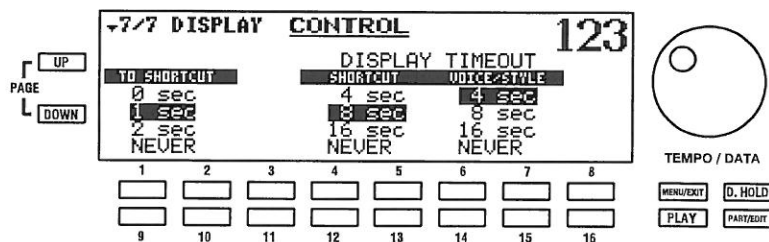
From Page 5 of the CONTROL Edit Menu, touch the PAGE UP Select Touch Button to display Page 6. This Advanced Feature Menu Page allows you to select which playing divisions the Damper will be applied to when DAMPER is selected in the Foot Switch Function Menu (Page 4).

NOTE: You will hear the effects of these settings **ONLY** if you have DAMPER selected as a Foot Switch function.

Use the top row of numbered Select Touch Buttons (Numbers 1, 2, 3, 4, 5, 6, 7 and 8) to turn the Damper function “ON” for the selected Voice.

Use the bottom row of numbered Select Touch Buttons (Numbers 9, 10, 11, 12, 13, 14, 15 and 16) to turn the Damper function “OFF” for the selected Voice.

CONTROL Edit Menu - Page 7



From Page 6 of the CONTROL Edit Menu, touch the PAGE UP Select Touch Button to display Page 7. This Advanced Feature Menu Page allows you to program the characteristics of the Information Center Display.

Shortcut Time

This Advanced Feature allows you to select how long a Touch Tab must be held before the Advanced Feature Menu Page controlled by that Touch Tab appears. You can select from "0" to "2" seconds or "NEVER" (the Shortcut feature is disabled).

Use the Number 1 or Number 2 Select Touch Button to decrease the time.

Use the Number 9 or Number 10 Select Touch Button to increase the time, or to select NEVER.

DISPLAY TIMEOUT

This Advanced Feature allows you to select how long the Information Center Display will continue to display an Advanced Feature Menu Page before reverting to PLAY or MIXER Modes. You can select "4," "8," or "16" seconds or "NEVER" (a Menu will continue to display until another page is selected). You can select the time for Advanced Feature Menu Pages or Voice & Style displays separately.

Use the Number 4 or Number 5 Select Touch Button to decrease the time for the Menu Pages.

Use the Number 12 or Number 13 Select Touch Button to increase the time or to select NEVER for the Menu Pages.

Use the Number 6 or Number 7 Select Touch Button to decrease the time for the Voice & Style Pages.

Use the Number 14 or Number 15 Select Touch Button to increase the time or to select NEVER for the Voice & Style pages.

► PAN MIXER Menu

This Advanced Feature Menu allows you to select which part of the instrument's speaker system the voices will come from. In this way, you can add "stereo" or directional effects to your music.

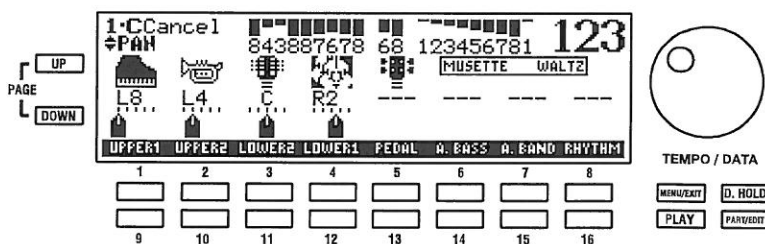
NOTE: This Advanced Feature Menu has no Shortcut. It is accessible only via the PLAY and PART Touch Buttons.

Accessing the PAN MIXER Menu:

1. Touch the PLAY Select Touch Button repeatedly until Page 1 of the MIXER Mode displays. Refer to the INFORMATION CENTER DISPLAY section of this Guide for more information about MIXER Mode.
2. Touch the PAGE UP Select Touch Button once. Page 1 of the PAN Edit Menu will now display.

You are now in the PAN MIXER Menu. You may now use the numbered Select Touch Buttons below the screen to control the directionality of the Voices. These changes are explained below.

PAN MIXER Menu (Page 1)



Use the numbered Touch Buttons to control the direction of the designated Voice group. The top row of numbered Select Touch Buttons (Numbers 1, 2, 3, 4, 5, 6, 7 and 8) will move the sound to the right, while the bottom row of numbered Select Touch Buttons (Numbers 9, 10, 11, 12, 13, 14, 15 and 16) will move the sound to the left. For example, use the Number 1 and Number 2 Touch Buttons to control the direction of the UPPER 1 Voice, the Number 3 and Number 4 Touch Buttons to control the direction of the UPPER 2 Voice, etc.

NOTE: The Voice designations (UPPER 1, UPPER 2, LOWER 2, etc.) are explained in further detail under VOICE SECTION.

Use the PART Select Touch Button to select different divisions for which you can adjust the Pan. Touching the PART Select Touch Button once from Page 1 will advance you to Page 2.

Touching it again will show Page 3, and touching it again will show Page 4. Touching the PART Touch Button while Page 4 is displaying will cause Page 1 to display again.

► VELOCITY MIXER Menu

This Advanced Feature Menu allows you to select whether or not you want Note Velocity for the different Voice Sections of the instrument, and allows you to select the Velocity Curve for each section. You can choose from six (6) different curves which are graphically shown in the Information Center Display, as well as "OFF".

Accessing the VELOCITY MIXER Menu using the PLAY and PART Touch Buttons:

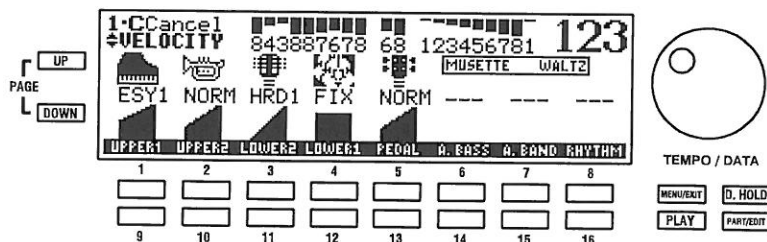
1. Touch the PLAY Select Touch Button repeatedly until Page 1 of the MIXER Mode displays. Refer to the INFORMATION CENTER DISPLAY section of this Guide for more information about MIXER Mode.
2. Touch the PAGE UP Select Touch Button two times. Page 1 of the VELOCITY Edit Menu will now display.

Accessing the VELOCITY MIXER Menu using the Shortcut:

Touch and Hold the VELOCITY TOUCH Tab. After approximately 1 second, Page 1 of the VELOCITY Edit Menu will now display.

You are now in the VELOCITY MIXER Menu. You may now use the numbered Select Touch Buttons below the screen to control the Velocity of different divisions. These changes are explained below.

VELOCITY MIXER Menu (Page 1)



Use the numbered Touch Buttons to control the Velocity of the designated Voice group. The top row of numbered Select Touch Buttons (Numbers 1, 2, 3, 4, 5, 6, 7 and 8) will increase the volume, while the bottom row of numbered Select Touch Buttons (Numbers 9, 10, 11, 12, 13, 14, 15 and 16) will decrease the volume. For example, use the Number 1 and Number 2 Touch Buttons to control the Velocity of the UPPER 1 Voice, the Number 3 and Number 4 Touch Buttons to control the Velocity of the UPPER 2 Voice, etc.

NOTE: The Voice designations (UPPER 1, UPPER 2, LOWER 2, etc.) are explained in further detail under VOICE SECTION starting on page 35.

Use the PART Select Touch Button to select different divisions to which you can add Velocity. Touching the PART Select Touch Button once from Page 1 will advance you to Page 2. Touching it again will show Page 3, and touching it again will show Page 4. Touching the PART Touch Button while Page 4 is displaying will cause Page 1 to display again.

MIDI

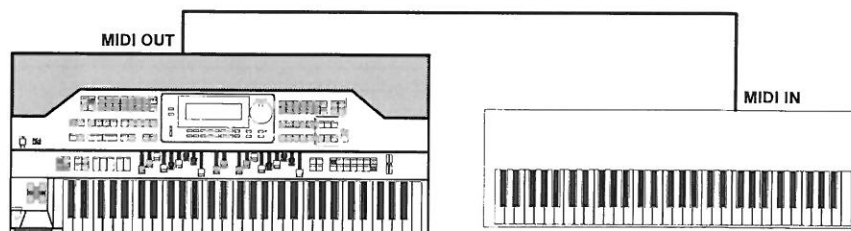
♦ A Word About What MIDI Can Do

The letters MIDI stand for Musical Instrument Digital Interface. MIDI is an international standard for allowing electronic musical instruments equipped with MIDI capability to exchange performance information. For example, a synthesizer can be used to communicate with a drum machine, an electronic piano can interface with a computer, and so forth. Additionally, since MIDI is an international standard recognized and implemented by all musical instrument manufacturers worldwide, instruments made by different manufacturers can communicate with each other via MIDI.

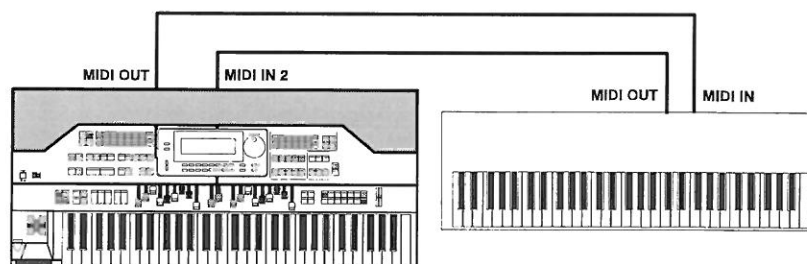
♦ MIDI Connections

MIDI IN and MIDI OUT

In order to allow communication to take place, all MIDI-equipped instruments have at least two MIDI jacks - MIDI IN and MIDI OUT. MIDI IN is for receiving MIDI data from another instrument, while MIDI OUT is for sending MIDI data out to another instrument.



In the example above, the keyboard(s) of the sending or transmitting instrument (MIDI OUT) are being used to control the sound generators of the receiving instrument (MIDI IN). When a key is played on the sending instrument, the corresponding note will play on the receiving instrument as though the appropriate key had been pressed on the receiving instrument's keyboard. When the key is released on the sending instrument, the tone being played by the receiving instrument will stop. (This is called "Note On / Note Off" data.) The sending instrument is referred to as the master, while the receiving instrument is called the slave. This is the most basic MIDI hookup.

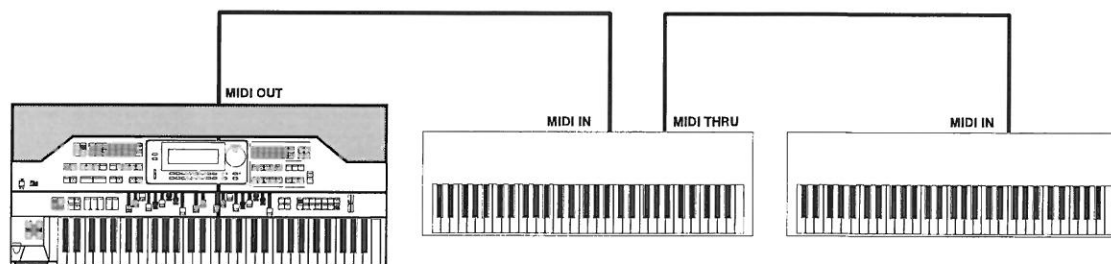


The above is an example of two-way communication between two MIDI-equipped devices. In this example, the keyboard(s) of either instrument can be used to control the sound generators of the other.

NOTE: When connecting MIDI IN and MIDI OUT in the manner shown above, use the MIDI IN 2 port of the XE-1 to avoid "MIDI Looping," or notes being played twice.

MIDI THRU

Many MIDI instruments also have an additional MIDI connection called MIDI THRU. MIDI THRU allows more than one instrument to be controlled by the same transmitting instrument - in other words, the data being sent from MIDI OUT goes to the MIDI IN, where it can be passed on to another instrument via MIDI THRU. The picture shown below shows how this is done.

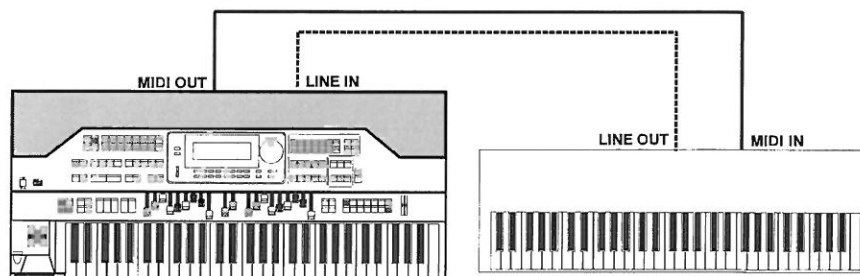


In the above example, the MIDI data goes from the master instrument (MIDI OUT) to the slave instrument (MIDI IN), which receives the data and passes it along to a third instrument via the MIDI THRU connection.

NOTE: If you reverse the MIDI IN and MIDI OUT connections, you can play the other instrument from the synthesizer just as easily.

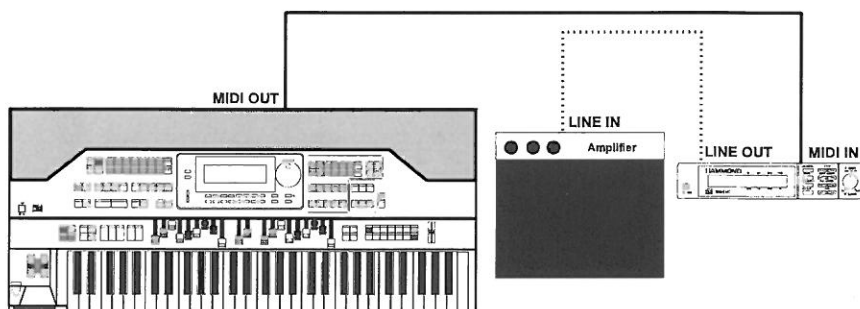
♦ Audio and MIDI Connections

Example 1: A synthesizer sounding through the XE-1



If you connect the audio output from the synthesizer to the INPUT jack(s) of the XE-1, you will be able to hear the synthesizer through the XE-1 speaker system.

Example 2: A sound module



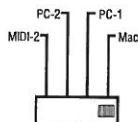
Note that the LINE OUT or AUDIO OUT signal connection is made to an external amplifier. The LINE OUT audio connection from the module, of course, could also be connected to the LINE IN of the XE-1.

♦ Using a Computer

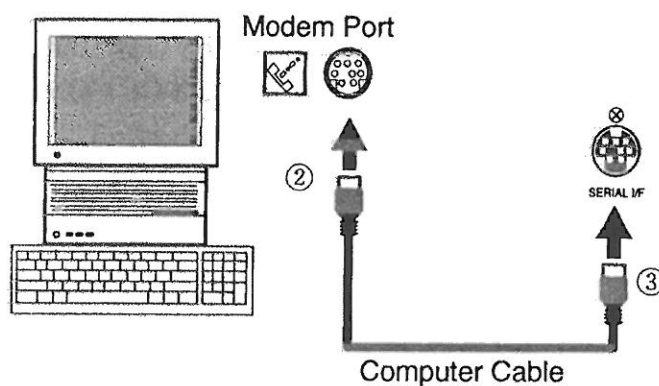
If you wish to use a personal computer, there are several methods to do so, depending on what type of computer you have. The following paragraphs will explain these in detail.

Connecting to a Macintosh® computer

3. Make sure the power to the XE-1 is "OFF," and set the selector switch on the back of the XE-1 to "Mac."



4. Connect one end of a Computer Cable to the MODEM port on the back of the computer.
5. Connect the other end of the Computer Cable to the Serial Interface (marked, "Serial I/F") on the back of the XE-1.



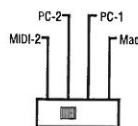
Using MIDI software

To use MIDI sequencing software to play your XE-1 from your computer with the interface pictured above, do the following:

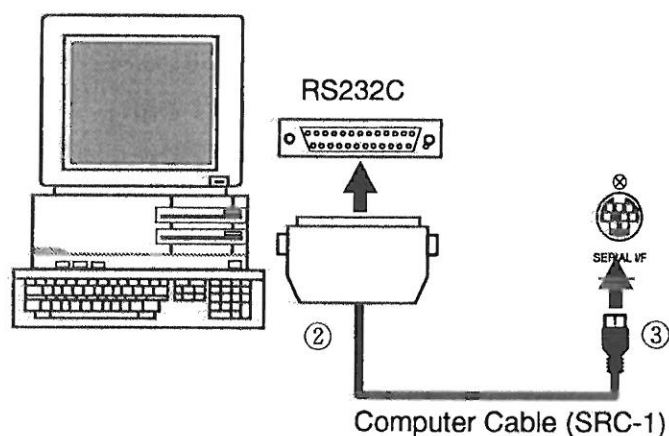
- Designate the MODEM Port as the Serial port.
- Set the Interface Type(MIDI Inter face Clock) as 1 MHz.

Connecting to a PC-9800 Series Computer

1. Make sure the power to the XE-1 is "OFF," and set the selector switch on the back of the XE-1 to "PC-1."



2. Connect one end of an SRC-1 Computer Cable to the RS-232C port on the back of the computer.
3. Connect the other end of the Computer Cable to the Serial Interface (marked, "Serial I/F") on the back of the XE-1.

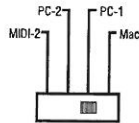


Using MIDI software

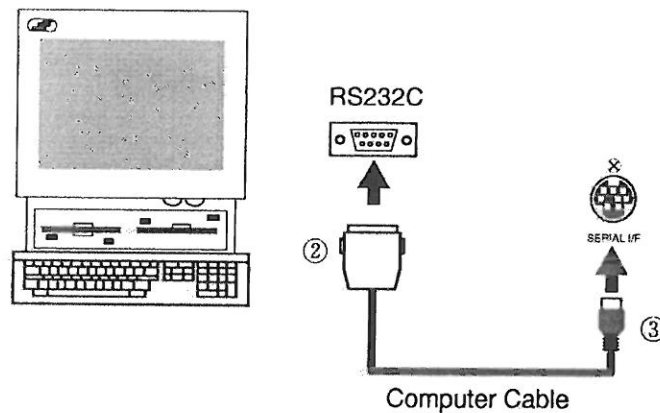
With the above hookup, you will be able to use MIDI sequencing software to play your XE-1 from your computer, or record sequences on your computer played from your XE-1.

Connecting to a PC-Series Computer

1. Make sure the power to the XE-1 is "OFF," and set the selector switch on the back of the XE-1 to "PC-2."



2. Connect one end of a Serial Computer Cable to the Serial port on the back of the computer.
3. Connect the other end of the Computer Cable to the Serial Interface (marked, "Serial I/F") on the back of the XE-1.



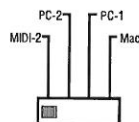
Using MIDI software

With the above hookup, you will be able to use MIDI sequencing software to play your XE-1 from your computer, or record sequences on your computer played from your XE-1.

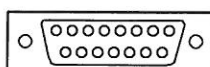
Connecting a Computer through a Sound Card

If your computer is equipped with a Sound Card, you can use the MIDI IN 2 port of your XE-1 to connect to your computer. Most sound cards currently available do not have MIDI ports; however, the "joystick" port may be used for MIDI connections by means of a special MIDI interface cable which is readily available at most music shops specializing in MIDI equipment.

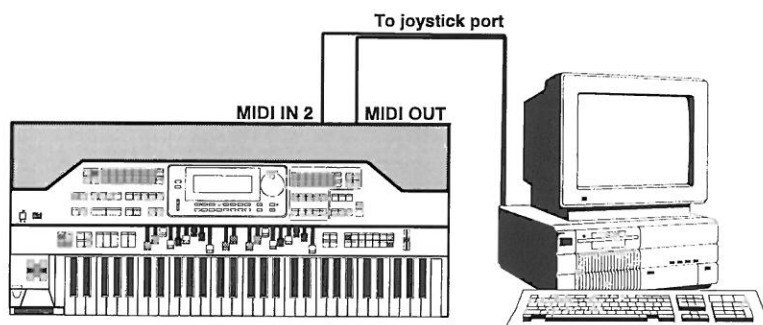
1. Make sure the power to the XE-1 is "OFF," and set the selector switch on the back of the XE-1 to "MIDI-2."



2. Connect one end of the MIDI interface cable to the joystick port of your Sound Card. The interface will look similar to this:



3. The other end of the cable will be divided into two MIDI plugs. Connect the plug marked "MIDI OUT" to the MIDI IN 2 port of your XE-1. Connect the plug marked "MIDI IN" to the MIDI OUT port of your XE-1.



NOTE: MIDI hardware interfaces which utilize the serial or parallel ports of your computer are also available. Please consult your dealer for more information about MIDI computer interfaces.

► MIDI Edit Menu

This Advanced Feature Menu allows you to set the overall MIDI parameters for the instrument.

Accessing the MIDI Edit Menu using the MENU/EXIT Touch Button:

1. Touch the MENU/EXIT Select Touch Button to see the first page of the MENU Mode. You will see "1/3" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 3 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button two times. Page 3 of the MENU Mode will now display. You will now see "3/3" in the upper left corner of the Information Center Display.
2. Touch the Number 1 or Number 2 Select Touch Button. The words, "MIDI EDIT," will now display at the top of the screen.

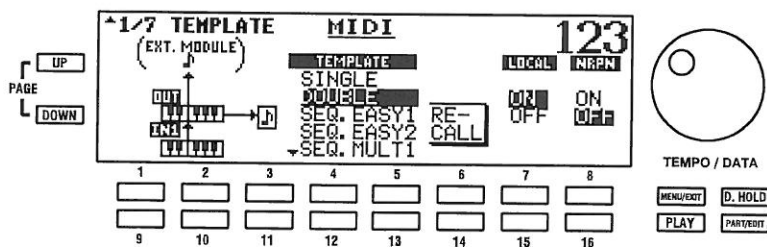
Accessing the MIDI Edit Menu using the Shortcut:

Touch the MIDI Touch Tab. The word, "MIDI," will display at the top of the screen.



You are now in the MIDI Edit Menu. You may now use the numbered Select Touch Buttons below the screen to change the MIDI performance of your XE-1. This is explained below.

MIDI Edit Menu - Page 1



This Advanced Feature Menu Page allows you to define the MIDI "template" or overall setting for the entire XE-1, as well as turn MIDI NRPN and Local Control "ON" or "OFF."

MIDI Template

This Advanced Feature allows you to select the overall setting or "template" to which you would like to make changes to the MIDI characteristics. These are described as follows:

- "SINGLE" - Using the XE-1 alone as a keyboard instrument, connected to an external module.
- "DOUBLE" - Using the XE-1 as a double manual instrument with another keyboard instrument, connected to an external module.
- "SEQ.EASY1" - Using the XE-1 in SINGLE Mode with a computer in EASY REC Mode.
- "SEQ.EASY2" - Using the XE-1 in DOUBLE Mode with a computer in EASY REC Mode.
- "SEQ.MULTI" - Using the XE-1 in SINGLE Mode connected to a computer in MULTI REC Mode.
- "SEQ.16TR" - Using the XE-1 in SINGLE Mode, connected to a computer in 16 TRACKS Mode.
- "VOCAL" - Using the XE-1 with a vocal harmonizer.

You can see the illustration at beside of MIDI Templates list, this arrows the way to hook-up of MIDI cable and connectors(see Appendix for details of Modes).

The keyboard at center means XE-1's internal keyboard, eighth note means XE-1's internal tone generator, "OUT", "IN1" means connectors of rear panel.

To make your choice of MIDI Templates, touch the Number 6 or Number 14 (RECALL) Select Touch Buttons.

MIDI Local Control

This Advanced Feature allows you to turn Local Control "ON" or "OFF." When Local Control is "ON," the XE-1 will play both its internal sounds and the sounds from a connected MIDI device. When Local Control is "OFF," the XE-1 will play only the sounds from a connected MIDI device and the XE-1's internal sounds are silenced.

Use the Number 7 Select Touch Button to turn Local Control "ON".

Use the Number 15 Select Touch Button to turn Local Control "OFF".

MIDI NRPN

This Advanced Feature allows you to turn "ON" or "OFF" NRPN. "NRPN," or Non-Registered Parameter Number, is an expanded control change message, each function of which is implemented differently by different manufacturers. The Hammond XE-1 uses NRPN to allow you to control such parameters as Percussion 2nd and 3rd Harmonic ON/OFF, Vibrato or Chorus ON/OFF, Leslie ON/OFF and Leslie Slow/Fast.

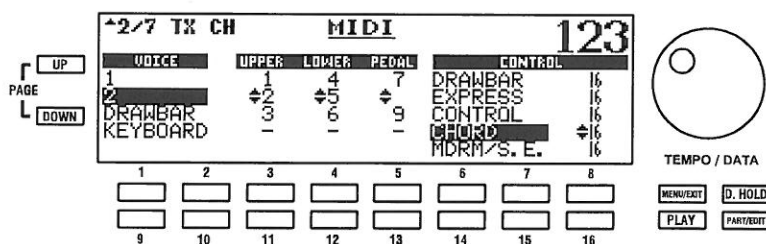
NOTE: Most of the Touch Tabs on the XE-1 have NRPN Controller numbers assigned to them. To see a complete list of all NRPN codes transmitted and recognized by the XE-1, consult the APPENDIX located at the back of this Guide.

NOTE: When this Advanced Feature is "ON," the XE-1 will both transmit and receive NRPN codes.

Use the Number 8 Select Touch Button to turn NRPN "ON".

Use the Number 16 Select Touch Button to turn NRPN "OFF".

MIDI Edit Menu - Page 2



From Page 1 of the MIDI Edit Menu, touch the PAGE UP Select Touch Button to display Page 2.

This Advanced Feature Menu Page allows you to select which MIDI Channels the Upper and Lower Manuals and the Pedals will transmit on, and to select the MIDI Channels on which Controller information will be sent.

MIDI Note ON/OFF Channel Selection

Use the Number 1, Number 2, Number 9 or Number 10 Select Touch Buttons to select the Voice group. The buttons in the top row will scroll up through the choices, while the buttons in the bottom row will scroll down.

Use the Number 3, Number 4 or Number 5 Select Touch Buttons to scroll up through the choices for MIDI Channels for Upper, Lower and Pedals. You can select from "1" through "16" as well as "OFF."

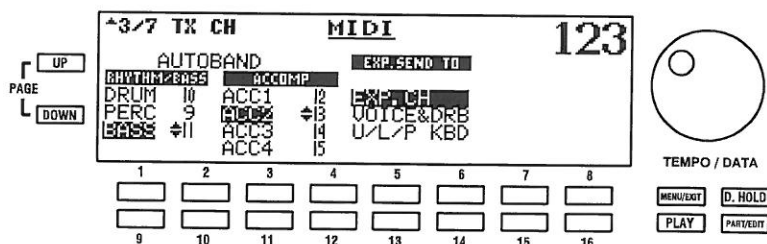
Use the Number 11, Number 12 or Number 13 Select Touch Buttons to scroll down through the choices for MIDI Channels.

MIDI Control Channel Selection

Use the Number 6, Number 7, Number 14 and Number 15 Select Touch Buttons to select the MIDI Controller. The buttons in the top row will scroll up through the choices, while the buttons in the bottom row will scroll down.

Use the Number 8 and Number 16 Select Touch Buttons to select the MIDI Channel for the selected Controller. The Number 8 Touch Button will scroll up through the choices while the Number 16 Touch Button will scroll down. You can select from "1" through "16" as well as "OFF."

MIDI Edit Menu - Page 3



From Page 2 of the MIDI Edit Menu, touch the PAGE UP Select Touch Button to display Page 3. This Advanced Feature Menu Page allows you to select which MIDI Channels the AUTOBAND will transmit on, as well as select the MIDI Channel to which Expression data will be sent.

AUTOBAND Rhythm/Bass Part Selection

Use the Number 1 and Number 9 Select Touch Buttons to select the Rhythm or Bass Part. You can select "DRUM" "PERC" or "BASS." The Number 1 Touch Button will scroll up through the choices, while the Number 9 Touch Button will scroll down.

AUTOBAND Rhythm/Bass Channel Selection

Use the Number 2 and Number 10 Select Touch Buttons to select the MIDI Channel for the selected Part. You can select from "1" through "16" as well as "-" (OFF). The Number 2 Touch Button will scroll up through the choices, while the Number 10 Touch Button will scroll down.

AUTOBAND Accompaniment Part Selection

Use the Number 3 and Number 11 Select Touch Buttons to select the Accompaniment Part. The Number 3 Touch Button will scroll up through the choices, while the Number 11 Touch Button will scroll down.

AUTOBAND Accompaniment Channel Selection

Use the Number 4 and Number 12 Select Touch Buttons to select the MIDI Channel for the selected Part. You can select from "1" through "16" as well as "-" (OFF). The Number 4 Touch Button will scroll up through the choices, while the Number 12 Touch Button will scroll down.

EXP. SEND TO

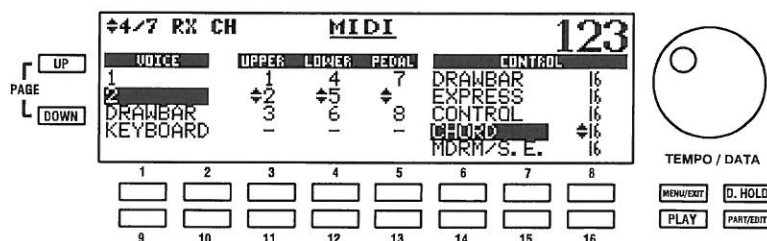
This Advanced Feature allows you to select how Expression data from a connected Expression Pedal is sent. You can select “EXPRESS (Expression data is sent out the EXPRESSION Channel) “VOICE&DRB” (Expression data is sent out VOICE 1, VOICE 2 and DRAWBAR)) or “U/L/P KBD” (Expression data is sent out the KEYBOARD Channel).

Use the Number 5 or Number 6 Select Touch Button to scroll up through the choices.

Use the Number 13 or Number 14 Select Touch Button to scroll down through the choices.

NOTE: Use Page 2 to select the MIDI Channels each part of the XE-1 will send or transmit on.

MIDI Edit Menu - Page 4



From Page 3 of the MIDI Edit Menu, touch the PAGE UP Select Touch Button to display Page 4.

This Advanced Feature Menu Page allows you to select which MIDI Channels the Upper and Lower Manuals and the Pedals will receive on, and to select the MIDI Channels on which Controller information will be received.

MIDI Note ON/OFF Channel Selection

Use the Number 1, Number 2, Number 9 and Number 10 Select Touch Buttons to select the Voice group. The buttons in the top row will scroll up through the choices, while the buttons in the bottom row will scroll down.

Use the Number 3, Number 4 or Number 5 Select Touch Buttons to scroll up through the choices for MIDI Channels for Upper, Lower and Pedals. You can select from “1” through “16” as well as “OFF.”

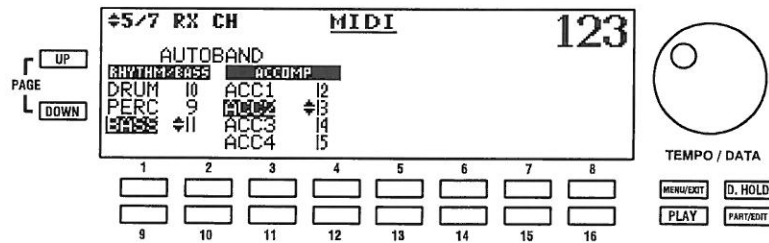
Use the Number 11, Number 12 or Number 13 Select Touch Buttons to scroll down through the choices for MIDI Channels.

MIDI Control Channel Selection

Use the Number 6, Number 7, Number 14 and Number 15 Select Touch Buttons to select the MIDI Controller. The buttons in the top row will scroll up through the choices, while the buttons in the bottom row will scroll down.

Use the Number 8 and Number 16 Select Touch Buttons to select the MIDI Channel for the selected Controller. The Number 8 Touch Button will scroll up through the choices while the Number 16 Touch Button will scroll down. You can select from “1” through “16” as well as “OFF.”

MIDI Edit Menu - Page 5



From Page 4 of the MIDI Edit Menu, touch the PAGE UP Select Touch Button to display Page 5.

This Advanced Feature Menu Page allows you to select which MIDI Channels the AUTOBAND will receive on, as well as select the MIDI Channel from which to receive Expression data.

AUTOBAND Rhythm/Bass Part Selection

Use the Number 1 and Number 9 Select Touch Buttons to select the Rhythm or Bass Part. You can select "DRUM" "PERC" or "BASS." The Number 1 Touch Button will scroll up through the choices, while the Number 9 Touch Button will scroll down.

AUTOBAND Rhythm/Bass Channel Selection

Use the Number 2 and Number 10 Select Touch Buttons to select the MIDI Channel for the selected Part. You can select from "1" through "16" as well as "-" (OFF). The Number 2 Touch Button will scroll up through the choices, while the Number 10 Touch Button will scroll down.

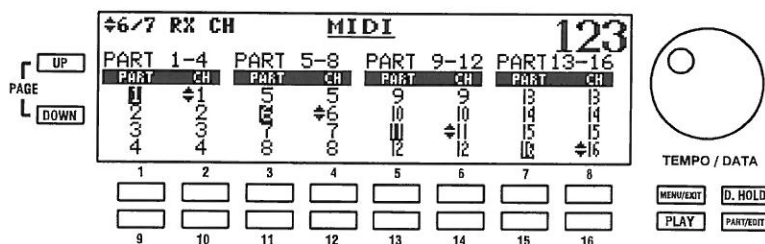
AUTOBAND Accompaniment Part Selection

Use the Number 3 and Number 11 Select Touch Buttons to select the Accompaniment Part. The Number 3 Touch Button will scroll up through the choices, while the Number 11 Touch Button will scroll down.

AUTOBAND Accompaniment Channel Selection

Use the Number 4 and Number 12 Select Touch Buttons to select the MIDI Channel for the selected Part. You can select from "1" through "16" as well as "-" (OFF). The Number 4 Touch Button will scroll up through the choices, while the Number 12 Touch Button will scroll down.

MIDI Edit Menu - Page 6



From Page 5 of the MIDI Edit Menu, touch the PAGE UP Select Touch Button to display Page 6. This Advanced Feature Menu Page allows you to select which MIDI Channels the Parts used to play MIDI Song files will receive on. You can select MIDI Channels 1 through 16 as well as “-“ (OFF) for all 16 Parts.

When using the Touch Buttons to make choices from the above Menu, the buttons in the top row will scroll up through the choices, while the buttons in the bottom row will scroll down.

Use the Number 1 and Number 9 Select Touch Buttons to select Parts 1 through 4.

Use the Number 2 and Number 10 Select Touch Buttons to select the MIDI Channels for Parts 1 through 4.

Use the Number 3 and Number 11 Select Touch Buttons to select Parts 5 through 8.

Use the Number 4 and Number 12 Select Touch Buttons to select the MIDI Channels for Parts 5 through 8.

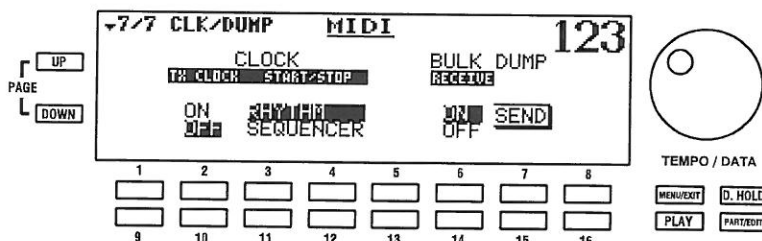
Use the Number 5 and Number 13 Select Touch Buttons to select Parts 9 through 12.

Use the Number 6 and Number 14 Select Touch Buttons to select the MIDI Channels for Parts 9 through 12.

Use the Number 7 and Number 15 Select Touch Buttons to select Parts 13 through 16.

Use the Number 8 and Number 16 Select Touch Buttons to select the MIDI Channels for Parts 13 through 16.

MIDI Edit Menu - Page 7



From Page 6 of the MIDI Edit Menu, touch the PAGE UP Select Touch Button to display Page 7.

MIDI CLOCK ON/OFF

This Advanced Feature allows you to select whether you want to send MIDI Clock data, and the type of MIDI instrument to which you are sending the MIDI Clock data.

Use the Number 2 Select Touch Button to turn MIDI Clock data transmission ON.

Use the Number 10 Select Touch Button to turn MIDI Clock data transmission OFF.

MIDI START/STOP

This Advanced Feature allows you to send a MIDI Start/Stop command to a MIDI Rhythm unit or Sequencer.

Use the Number 3 or Number 4 Select Touch Button to select RHYTHM. If RHYTHM is selected, use the large START/STOP Touch Tab in the RHYTHM CONTROL section to send the Start/Stop command to a MIDI Rhythm Unit.

Use the Number 11 or Number 12 Select Touch Button to select SEQUENCER. If SEQUENCER is selected, use the PLAY/PAUSE (▶/||) Touch Tab to send the Start/Stop command to a MIDI Sequencer.

BULK DUMP

This Advanced Feature Menu Page allows you to save and retrieve the XE-1's current temporary setting to and from a MIDI Data recorder.

Memory Dump - Receive

This Advanced Feature allows you to retrieve the XE-1's Preset and Global Parameters from a MIDI Data recorder.

Make sure that the XE-1 is connected to a MIDI Data recorder before you send or receive MIDI data, then do the following:

1. Touch the Number 4 Select Touch Button to turn RECEIVE "ON." The word "ON" will be highlighted.
2. Start the MIDI recorder. When all information has been received, the PLAY Screen will return.

Memory Dump - Send

This Advanced Feature allows you to send the XE-1's current settings to a MIDI Data recorder. To do this, do the following:

1. Make sure that the MIDI recorder is ready to receive data (RECORD).
2. Touch the Number 13 Select Touch Button to start the data dump to the MIDI Data recorder. The Information Center Display will show, "Transmitting...." When all information has been sent, the Information Center Display will flash, "Data completed!"

NOTE: If you attempt a Data Dump to the XE-1 when "OFF" is displayed, the Information Center Display will flash, "Data Protect !" This ensures that you do not accidentally overwrite data.

USING THE SEQUENCER, DISK DRIVE & CompactFlash™

♦ SEQUENCER


Your Hammond XE-1 has a full-function Sequencer which you can use to record your performances in three different ways:

1. EASY RECORD - This sets up the instrument to allow you to record your song data the fastest and easiest way.
2. MULTI RECORD - This allows you more control over individual sound-producing divisions or Parts, as well as Controls, than EASY REC.
3. 16 TRACK - This allows you to record your songs using Parts 1 through 16 independent of Drawbar or Voice registrations, as well as play back pre-recorded SMF disks.

In addition, you can use the Sequencer to play back Song data from Floppy Disks or CompactFlash Cards.

What Is "General MIDI?"

"General MIDI" is a method for standardizing the MIDI capabilities of sound-generating devices, making it easier to connect two or more brands of MIDI devices and use them. As an example, before General MIDI, different manufacturers assigned different Program Numbers to different sounds. If, for example, Program #4 is Strings on a "brand X" MIDI device and Program #4 is Trumpet on a "brand Y" device, and you sent MIDI Program #4 from a keyboard you were playing to each device, you would hear Strings from one and Trumpet from the other. However, you wanted both units to play Strings. By using General MIDI-compatible devices, you can send a MIDI Program Number and have it respond in a predictable manner - Program Number 1 will always be Grand Piano, Program Number 27 will always be Jazz Guitar, etc.

A MIDI instrument which conforms to the General MIDI standard, such as the XE-1, will bear the General MIDI logo (). Music data which bears the General MIDI logo can be played back using any General MIDI sound generating instrument to produce the same basic performance.

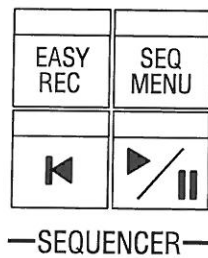
What Is "SMF?"

"SMF" (Standard MIDI File) is a standardized format designed to allow different sequencers to play back the same music data. Song data recorded in this format on another sequencer can be played back by the XE-1. The XE-1 saves music data recorded using EASY REC, MULTI REC and 16 TRACKS in SMF format.

NOTE: SMF format ensures compatibility primarily of Note data (such as notes played on a keyboard), Velocity data (the speed or force with which the key is pressed), and Program Number data (what voices are used). Because there are some variations in the specific way certain MIDI features are implemented by different manufacturers, total compatibility cannot be guaranteed. Therefore, you may need to change some of the settings of your XE-1 when playing back some music data.

The following pages will explain each Sequencer function in detail.

SEQUENCER Touch Tabs



These Touch Tabs allow you to control the Sequencer functions.

EASY REC

This Touch Tab gives you instant access to the EASY REC portion of the SEQUENCER Menu. Simply touch this Touch Tab once, and the EASY REC Menu will show in the Information Center Display.



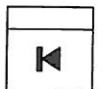
SEQ MENU

This Touch Tab gives you instant access to the SEQUENCER Menu. Simply touch this Touch Tab once, and the SEQUENCER Menu will show in the Information Center Display.



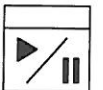
REW/STOP

This Touch Tab is for starting at the beginning of a song. If you interrupt the playback of a song by touching the PLAY/PAUSE Touch Tab, you can start the song from the beginning by touching the REW/STOP Touch Tab before touching the PLAY/PAUSE Touch Tab.

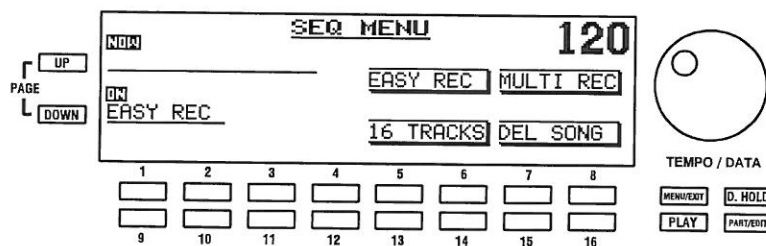


PLAY/PAUSE

This Touch Tab is for playing back songs, or interrupting a song during playback. If you touch this Touch Tab while a song is playing back and then touch it again, the song will continue playing from exactly the point at which it was interrupted.



► SEQUENCER Menu



This Advanced Feature Menu allows you to select how you want to use the Sequencer features of your XE-1.

Accessing the SEQUENCER Menu using the Menu Touch Buttons:

1. Touch the gray MENU Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button three times. Page 4 of the MENU Mode will now display. You will now see "4/4" in the upper left corner of the Information Center Display.
1. Touch either the Number 3 or Number 4 gray Select Touch Buttons. The words, "SEQ MENU" will now display at the top of the screen.

Accessing the SEQUENCER Menu using the Shortcut:

Touch the SEQ MENU Touch Tab. The words, "SEQ MENU" will display at the top of the screen.



You are now in the SEQUENCER Menu. You may now use the numbered Select Touch Buttons below the screen to select the various features of the Sequencer. These features are explained starting below.

EASY REC

This Advanced Feature Menu Page allows you to record your own songs, and sets up the parameters of the instrument for you so as to allow you to record your songs the quickest and easiest way.

Accessing the EASY REC Menu using the MENU/EXIT Touch Button:

1. Touch the gray MENU Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button three times. Page 4 of the MENU Mode will now display. You will now see "4/4" in the upper left corner of the Information Center Display.
1. Touch either the Number 3 or Number 4 Select Touch Button. The words, "SEQ MENU," will now display at the top of the screen.
2. Touch either the Number 5 or Number 6 Select Touch Button. The words, "EASY REC," will now display at the top of the screen.

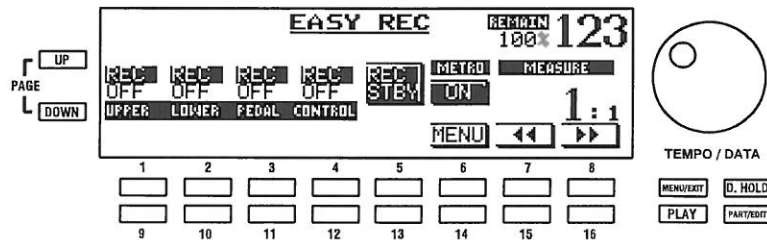
Accessing the EASY REC Menu using the Shortcut:

Touch the EASY REC Touch Tab. The words, "EASY REC," will display at the top of the screen.

You are now in the EASY REC Menu Page.

Recording a Song using EASY REC

1. Set up the XE-1 with the registration you want to use for your song.
2. Touch the EASY REC Touch Tab or use the MENU/EXIT and numbered Touch Buttons to enter the EASY REC Menu.



Notice that the Information Center Display shows four parts: UPPER, LOWER, PEDAL and CONTROL. This means you can record using the Upper and Lower Manuals, Pedal Keyboard and Controls (the playing controls on the XE-1, including Drawbars, Touch Tabs, etc.)

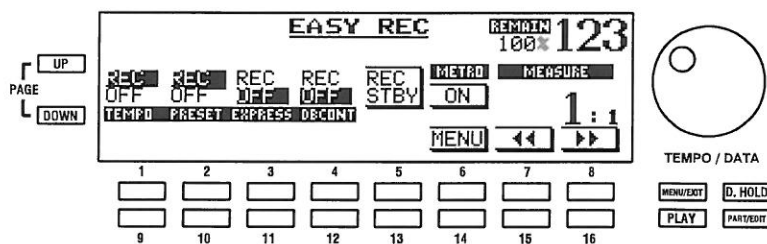
If you do not want to record all Parts at once, you can use the numbered Touch Buttons to select which Parts you want to record.

Use the top row of numbered Select Touch Buttons to select REC (Record).

Use the bottom row of numbered Select Touch Buttons to select OFF. If you select "OFF," that particular Part will not record.

3. In addition to the basic parts of UPPER, LOWER, PEDAL and CONTROL, you can also select whether you want to record other parameters such as Drawbar movements. To see these other parameters, from the above page, touch the PART/EDIT Touch Button.

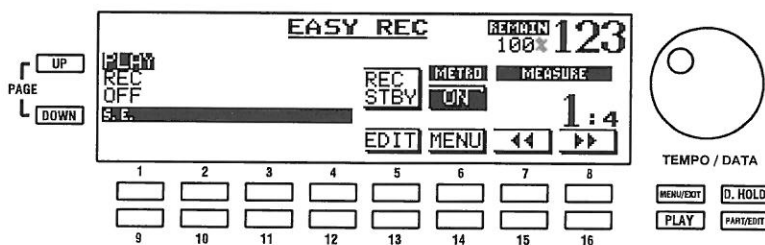
If you touch the PART/EDIT Touch Button once from the above Page, the Information Center Display will look similar to this:



Notice that the Information Center Display now shows: TEMPO, PRESET, EXPRESS and DBCONT. This means you can record Tempo data, Preset changes, Expression data and Drawbar registrations.

Use the numbered Select Touch Buttons to select “REC” or “OFF” for the individual Parts as in the previous Page.

If you touch the PART/EDIT Touch Button once from the above Page, the Information Center Display will look similar to this:

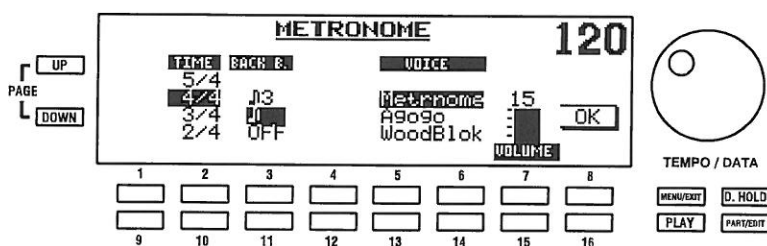


Notice that the Information Center Display now shows: S.E. This means you can record Sound Effects.

4. When you record a Sequence on the XE-1, a Metronome will count off each beat. However, at this point you can change the way the Metronome functions.

If you wish to silence the Metronome while recording, touch the Number 6 Touch Button. This will turn the Metronome “OFF.”

If you wish to hear the Metronome but want to change its parameters, touch the Number 14 Touch Button. The Information Center Display will now look like this:



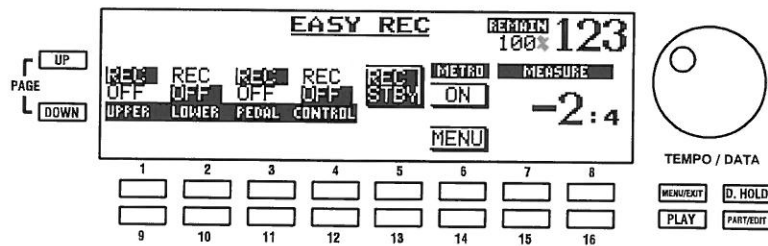
You are now in the METRONOME Edit Menu, which can be accessed only via Shortcut. This Advanced Feature Menu allows you to change the characteristics of the Metronome.

NOTE: The METRONOME Edit Menu is fully explained starting on page 77 of this Guide.

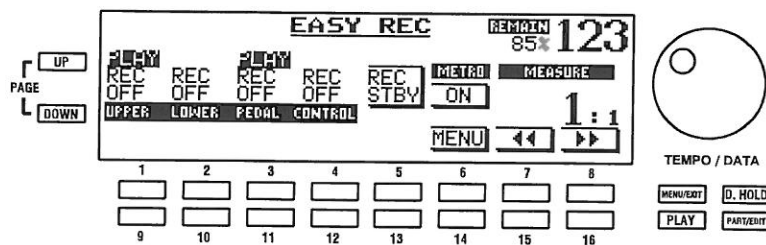
After you have finished setting the Metronome, or if you want to exit without making changes, touch the Number 8 or Number 16 Select Touch Button to select “OK.” The EASY REC Menu will reappear.

5. If the “REC STBY” (Record Standby) box is not highlighted, touch the Number Number 5 Select Touch Button to highlight it. The XE-1 is now in Standby mode and you are now ready to begin recording.

6. Now touch the PLAY/PAUSE (▶/⏸) Touch Tab in the RHYTHM CONTROL section. You will now see the Measure counter in the Information Center Display count down 2 measures ("2, 1, 0, 3, 4, 3, 2, 1") and the Metronome will sound in the way you have programmed it.



7. When the Measure counter has finished counting off the two introductory measures, start playing your song, and play it through to the end.
8. When you have finished playing your song, touch the PLAY/PAUSE (▶/⏸) Touch Tab to stop recording. The Information Center Display will now look similar to this:



Notice that one or several "PLAY" boxes have appeared in the display. These indicate the parts or divisions of the XE-1 you used when recording your song. If no "PLAY" box appears above a certain part, such as CONTROL, it means that you did not use that part when recording your song.

You can also use the PART/EDIT Touch Button after you have finished recording to verify data in the other Parts (TEMPO, EXPRESS, etc.)

Playing Back a Song

After you have finished recording your song and the EASY REC screen reappears, the REW/STOP (◀) Touch Tab will also turn "ON" (red LED lit). This is to let you know that a song has been loaded into the XE-1's memory and that the song is ready to be played back.

Touch the PLAY/PAUSE (▶/⏸) Touch Tab. The song will start playing.

You can use the numbered Touch Buttons below each Part to select "PLAY" or "OFF" for any Part which has a "PLAY" box showing above it. In this way, you can hear each Part separately.

If you wish to stop the song midway through, press the PLAY/PAUSE Touch Button. The song will stop playing.

If you wish to start the song at the point at which you stopped it, simply touch the PLAY/PAUSE Touch Button again. The song will start playing again and continue through to the end.

If you wish to start the song at a specific measure, touch the Number 15 and Number 16 Touch Buttons to scroll through the Measures until the Information Center Display shows the measure number you want. Then touch the PLAY/PAUSE Touch Tab to start the song playing at that measure.

If you wish to start the song over again from the beginning, touch the REW/STOP Touch Tab. This will reset the Information Center Display to measure 1 so that the song will start from the beginning. Then touch the PLAY/PAUSE Touch Tab to start the song playing.

MULTI REC

This Advanced Feature Menu Page allows you to record your own songs, but gives you more control of each Voice section of the instrument.

Using EASY REC, you can select whether to record UPPER, LOWER, PEDAL or CONTROL, but you cannot individually select the different Parts or divisions within UPPER, LOWER, etc. You cannot, for example, record Upper Drawbars and Lower Drawbars independently.

If you want to have control over the different sound-producing divisions or Parts when recording a song or songs, use MULTI REC.

Accessing the MULTI REC Menu Page using the MENU/EXIT Touch Button:

1. Touch the gray MENU Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button three times. Page 4 of the MENU Mode will now display. You will now see "4/4" in the upper left corner of the Information Center Display.
1. Touch either the Number 3 or Number 4 Select Touch Button. The words, "SEQ MENU," will now display at the top of the screen.
2. Touch either the Number 7 or Number 8 Select Touch Button. The words, "MULTI REC," will now display at the top of the screen.

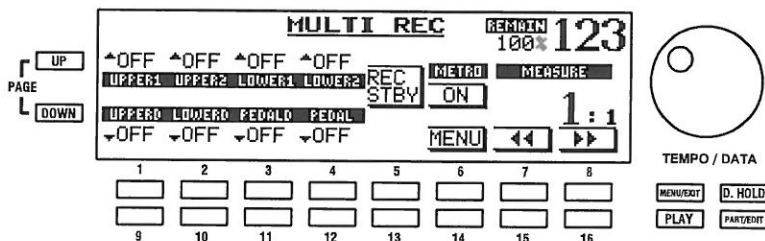
Accessing the MULTI REC Menu using the Shortcut:

1. Touch the SEQ MENU Touch Tab. The words, "SEQ MENU," will display at the top of the screen.
2. Touch either the Number 7 or Number 8 Select Touch Button. The words, "MULTI REC," will now display at the top of the screen.

You are now in the MULTI REC Menu Page.

Recording a Song using MULTI REC

1. Set up the XE-1 with the registration you want to use for your song.
2. Touch the SEQ MENU Touch Tab and/or use the MENU/EXIT and numbered Touch Buttons to enter the MULTI REC Menu.



Notice that the Information Center Display shows eight parts: UPPER 1, UPPER 2, LOWER 1, LOWER 2, DRB-U (Drawbar Upper), DRB-L (Drawbar Lower), DRB-P (Drawbar Pedal) and PEDAL. This means you can record using individual Parts for the Upper, Lower and Pedals.

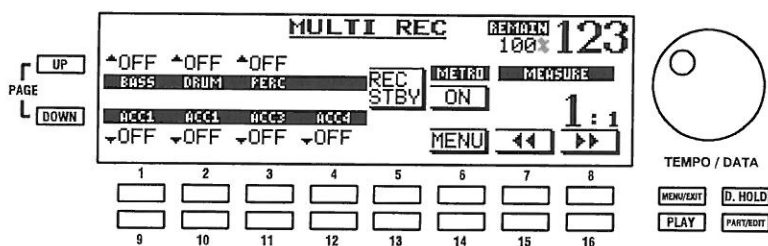
If you do not want to record all Parts at once, you can use the numbered Touch Buttons to select which Parts you want to record.

Use the top row of numbered Select Touch Buttons to select "REC" (Record) or "OFF" for UPPER 1, UPPER 2, LOWER 1 and LOWER 2.

Use the bottom row of numbered Select Touch Buttons to select "REC" (Record) or "OFF" for UPPERD (Upper Drawbar), LOWERD (Lower Drawbar), PEDALD (Pedal Drawbar) and PEDAL (Pedal Voice).

If you select "OFF," that particular Part will not record.

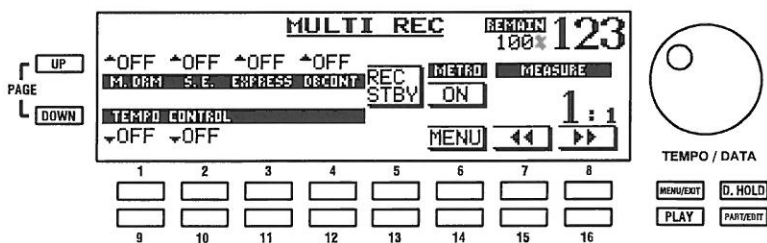
3. In addition to the basic parts of UPPER, LOWER, PEDAL and CONTROL, you can also select whether you want to record other parameters such as Drawbar movements. To see these other parameters, from the above page touch the PART/EDIT Touch Button. If you touch the PART/EDIT Touch Button once from the above menu, the Information Center Display will look similar to this:



Notice that the Information Center Display shows seven parts: BASS, DRUM, PERC, ACC1, ACC2, ACC3 and ACC4. This means you can record using individual Parts of the AUTOBAND ORCHESTRA.

Use the numbered Select Touch Buttons to select "REC or OFF" for the individual Parts as in the previous Page.

If you touch the PART/EDIT Touch Button once from the above page, the Information Center Display will look similar to this:



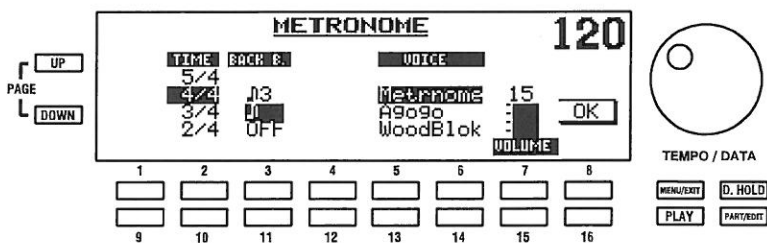
Notice that the Information Center Display shows six parts: M.DRM, S.E., EXPRESS, DBCONT, TEMPO and CONTROL. This means you can record Manual Drums, Sound Effects, Expression data, Drawbar registrations, Tempo data and other Controllers such as Pitch Bend, Modulation, etc.

Use the numbered Select Touch Buttons to select "REC or OFF" for the individual Parts as in the previous Page.

4. When you record a Sequence on the XE-1, a Metronome will count off each beat. However, at this point you can change the way the Metronome functions.

If you wish to silence the Metronome while recording, touch the Number 6 Touch Button. This will turn the Metronome "OFF."

If you wish to hear the Metronome but want to change its parameters, touch the Number 14 Touch Button. The Information Center Display will now look like this:



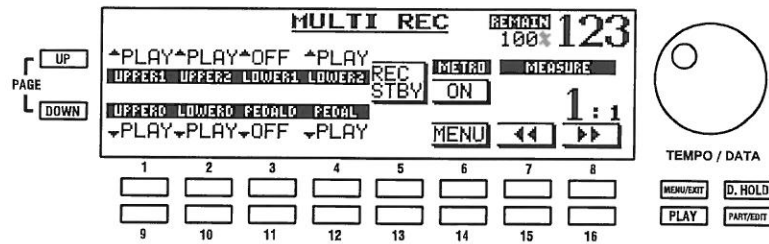
You are now in the METRONOME Edit Menu, which can be accessed only via Shortcut. This Advanced Feature Menu allows you to change the characteristics of the Metronome.

NOTE: The METRONOME Edit Menu is fully explained starting on page 77 of this Guide.

After you have finished setting the Metronome, or if you want to exit without making changes, touch the Number 8 or Number 16 Select Touch Button to select "OK." The MULTI REC Menu will reappear.

5. If the "REC STBY" (Record Standby) box is not highlighted, touch the Number Number 5 Select Touch Button to highlight it. The XE-1 is now in Standby mode and you are now ready to begin recording.
6. Now touch the PLAY/PAUSE (▶/||) Touch Tab in the RHYTHM CONTROL section. You will now see the Measure counter in the Information Center Display count down 2 measures ("-2, 2, 3, 4, _1, 2, 3, 4") and the Metronome will sound in the way you have programmed it.

7. When the Measure counter has finished counting off the two introductory measures, start playing your song, and play it through to the end.
8. When you have finished playing your song, touch the PLAY/PAUSE (▶/||) Touch Tab to stop recording. The Information Center Display will now look similar to this:



Notice that the word, “PLAY” now appears in several places in the display. These places indicate the part /Uts or divisions of the XE-1 you used when recording your song. If the word, “OFF” appears above a certain part, such as CONTROL, it means that you did not use that part when recording your song.

Playing Back a Song

After you have finished recording your song and the MULTI REC screen reappears, the REW/STOP (◀) Touch Tab will also turn “ON” (red LED lit). This is to let you know that a song has been loaded into the XE-1's memory and that the song is ready to be played back.

Touch the PLAY/PAUSE (▶/||) Touch Tab. The song will start playing.

You can use the numbered Touch Buttons below each Part to select “PLAY” or “OFF” for any Part which has a “PLAY” box showing above it. In this way, you can hear each Part separately.

If you wish to stop the song midway through, press the PLAY/PAUSE Touch Button. The song will stop playing.

If you wish to start the song at the point at which you stopped it, simply touch the PLAY/PAUSE Touch Button again. The song will start playing again and continue through to the end.

If you wish to start the song at a specific measure, touch the Number 15 and Number 16 Touch Buttons to scroll through the Measures until the Information Center Display shows the measure number you want. Then touch the PLAY/PAUSE Touch Tab to start the song playing at that measure.

If you wish to start the song over again from the beginning, touch the REW/STOP Touch Tab. This will reset the Information Center Display to measure 1 so that the song will start from the beginning. Then touch the PLAY/PAUSE Touch Tab to start the song playing.

16 TRACKS

This Advanced Feature Menu Page allows you to record your own songs, but uses a different format than either EASY REC or MULTI REC.

Both EASY REC and MULTI REC allow you to record song data using the performance platforms unique to the XE-1, such as UPPER 1, LOWER 1, Drawbars, Sound Effects, etc. 16 TRACKS uses a format extended of GM (General MIDI) Level 1 in which individual Parts are assigned MIDI channels and Program numbers without regard for where they may happen to fall on a specific instrument. In this way, GM song data do not have to be played back on an instrument of any one particular kind, or by any one particular maker.

Accessing the 16 TRACKS Menu Page using the MENU/EXIT Touch Button:

1. Touch the gray MENU Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button three times. Page 4 of the MENU Mode will now display. You will now see "4/4" in the upper left corner of the Information Center Display.
1. Touch either the Number 3 or Number 4 Select Touch Button. The words, "SEQ MENU," will now display at the top of the screen.
2. Touch either the Number 13 or Number 14 Select Touch Button. The words, "16 TRACKS," will now display at the top of the screen.

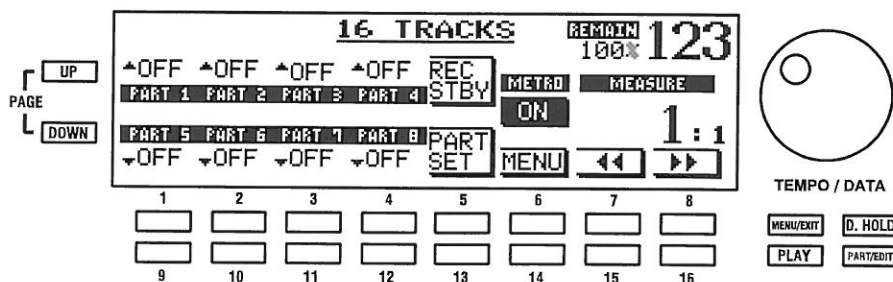
Accessing the 16 TRACKS Menu using the Shortcut:

1. Touch the SEQ MENU Touch Tab. The words, "SEQ MENU," will display at the top of the screen.
2. Touch either the Number 13 or Number 14 Select Touch Button. The words, "16 TRACKS," will now display at the top of the screen.

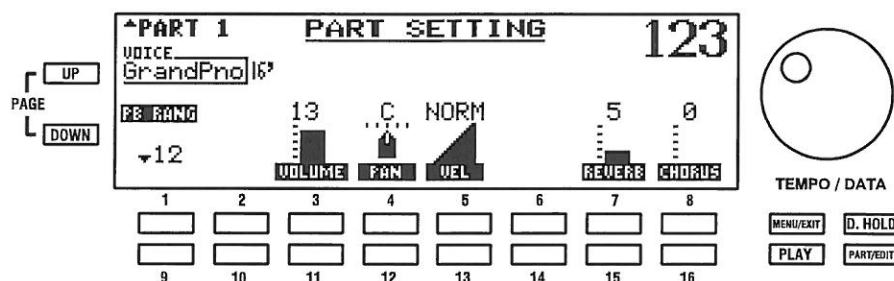
You are now in the 16 TRACKS Menu Page.

Recording a Song using 16 TRACKS

1. Touch the SEQ MENU Touch Tab and/or use the MENU/EXIT and numbered Touch Buttons to enter the 16 TRACKS Menu.



2. Touch the Number 13 Select Touch Button to select PART SETTING.



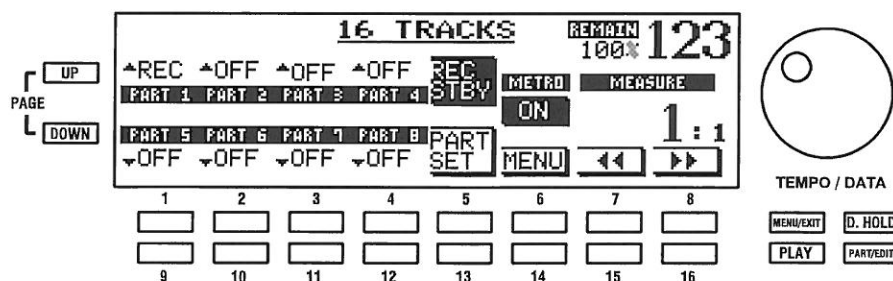
Notice that the Information Center Display shows six Parameters: PB (Pitch Bend) RANGE, VOLUME, PAN, VELOCITY, REVERB and CHORUS in addition to the selected Voice. This means you can select the settings for these Parameters for each selected Part.

Use the top row of numbered Touch Buttons to increase the amount of each Parameter.

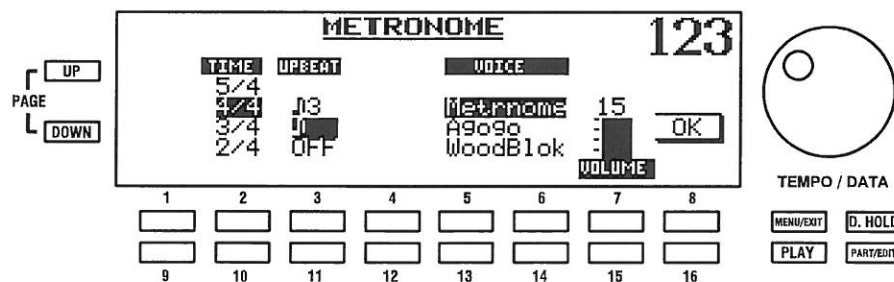
Use the bottom row of numbered Touch Buttons to decrease the amount of each Parameter.

NOTE: The PAN parameter adjusts the directionality of the selected Part. Use the Number 4 Touch Button to move the sound to the right, and the Number 12 Touch Button to move the sound to the left.

3. After you have set the Parameters for the selected Part, touch the MENU/EXIT Touch Button to return to the 16 TRACKS Menu.
4. If you are ready to record, touch the Number 5 Select Touch Button to select REC STBY (Record Standby). The selected Part will "REC" automatically. (NOTE: The Part cannot be turned "OFF.")



When you record a sequence on the XE-1, a Metronome will count off each beat. If you wish to silence or change the sound of the Metronome, or if you wish to change the time signature, touch the Number 14 Select Touch Button to go to the METRONOME Menu.



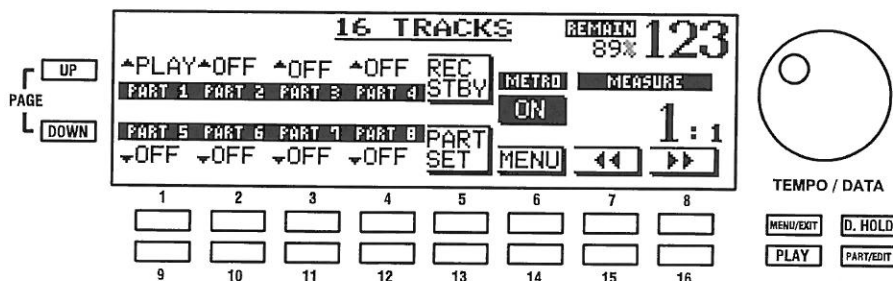
NOTE: The METRONOME Edit Menu is fully explained starting on page 77 of this Guide.

After you have finished setting the Metronome, or if you want to exit without making changes, touch the Number 8 or Number 16 Select Touch Button to select "OK." The 16 TRACKS Menu will reappear.

- Now touch the PLAY/PAUSE (▶/⏸) Touch Tab. You will now see the Measure counter in the Information Center Display count down 2 measures (for example, "-2:1, 2, 3, 4, -1:1, 2, 3, 4" in 4/4) and the Metronome will sound in the way you have programmed it.

When the Measure counter has finished counting off the two introductory measures, start playing your song, and play it through to the end.

- When you have finished playing your song, touch the PLAY/PAUSE (▶/⏸) Touch Tab to stop recording. The Information Center Display will now look similar to this:



Notice that the word, "PLAY" now appears in several places in the display. These places indicate the parts or divisions of the XE-1 you used when recording your song.

- If you wish to record another part, repeat from step 2.

Playing Back a Song

After you have finished recording your song and the 16 TRACKS screen reappears, the REW/STOP (◀) Touch Tab will also turn "ON" (red LED lit). This is to let you know that a song has been loaded into the XE-1's memory and that the song is ready to be played back.

Touch the PLAY/PAUSE (▶/⏸) Touch Tab. The song will start playing.

You can use the numbered Touch Buttons below each Part to select "PLAY" or "OFF" for any Part which has a "PLAY" box showing above it.

If you wish to stop the song midway through, press the PLAY/PAUSE Touch Button. The song will stop playing.

If you wish to start the song at the point at which you stopped it, simply touch the PLAY/PAUSE Touch Button again. The song will start playing again and continue through to the end.

If you wish to start the song at a specific measure, touch the Number 15 and Number 16 Touch Buttons to scroll through the Measures until the Information Center Display shows the measure number you want. Then touch the PLAY/PAUSE Touch Tab to start the song playing at that measure.

If you wish to start the song over again from the beginning, touch the REW/STOP Touch Tab. This will reset the Information Center Display to measure 1 so that the song will start from the beginning. Then touch the PLAY/PAUSE Touch Tab to start the song playing.

◆ DISK DRIVE & CompactFlash™



Your Hammond XE-1 can store and retrieve several types of data:

1. Sequencer or Song data
2. Preset data
3. Style data

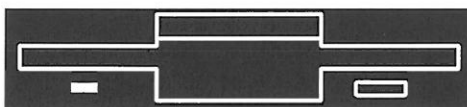
The above types of data can be stored to, and retrieved from, two types of media:

1. Floppy Disks
2. Compact Flash™ Cards

The following pages will explain each function.

Disk Slot

The Disk Slot is located below the Pitch Bend and Modulation Wheels on the extreme left side of the instrument. It will accommodate standard 3 1/2" double-density or high-density Floppy Disks.



Access Indicator

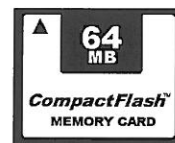
This green LED on the left of the Disk Slot lights whenever the Disk Drive is in use - for example, when data is being Saved to or Loaded from a Disk.

NOTE: Do not turn the AC Power to the XE-1 "OFF" when this LED is lit. This will prevent data loss.

Eject Button

When you insert a Disk into the Disk Slot, this button will protrude from its normally recessed position so that you may press it to remove the Disk. Simply press it in, and the Disk will eject from the Disk Slot.

CompactFlash Card Slot



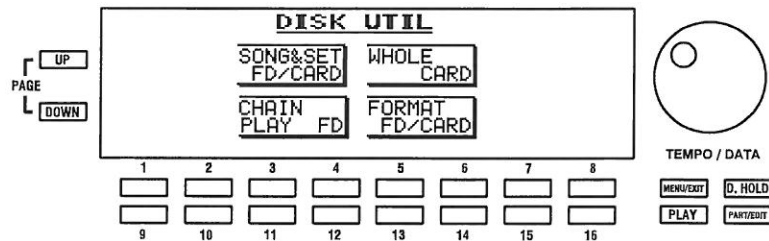
The CompactFlash Card Slot is located on the Accessory Panel on the back of the XE-1. Simply insert a CompactFlash Card into the Slot. Be sure to insert the Card with the label facing up. Use the Eject Button located to the right of the slot to eject the Card after use.

SPECIAL NOTE: As of this writing, the following CompactFlash Card Types have been verified as compatible with the XE-1:

SanDisk SDCFB-15, -30, -64, -128
 MELCO RCF-C30M, -C64M
 IO DATA PCCF-32M

This list is continually being updated. For the latest information, please contact Hammond at one of the addresses listed on page 167, or visit the Hammond website at www.hammondsuzuki.com.

► DISK UTIL Menu



This Advanced Feature Menu allows you to perform basic operations relating to Floppy Disks or CompactFlash Cards.

Accessing the DISK UTIL Edit Menu using the MENU/EXIT Touch Button:

1. Touch the gray MENU Select Touch Button to see the first screen of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display. This indicates that the MENU Mode has 4 Pages and that Page 1 is displaying.
1. Touch the PAGE UP Select Touch Button three times. Page 4 of the MENU Mode will now display. You will now see "4/4" in the upper left corner of the Information Center Display.
1. Touch either the Number 9 or Number 10 gray Select Touch Buttons. The words, "DISK UTIL" will now display at the top of the screen.

Accessing the DISK UTIL Edit Menu using the Shortcut:

Touch the DISK Touch Tab. The words, "DISK UTIL" will display at the top of the screen.



You are now in the DISK UTIL Edit Menu. You may now use the numbered Select Touch Buttons below the screen to perform various operations with Floppy Disks or CompactFlash Cards. These changes are explained below.

DISK UTIL - FORMAT

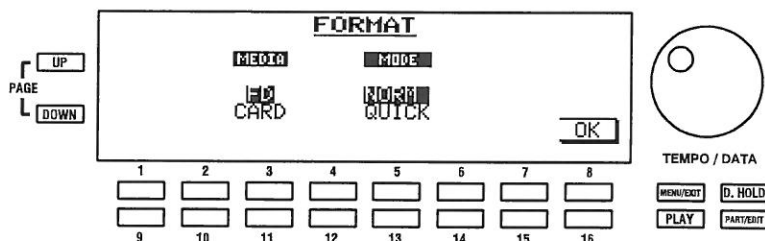
Since a Floppy Disk or CompactFlash Card must be formatted before it can be used, we will explain the FORMAT process first. This only has to be done once, when a disk or card is new.

NOTE: The FORMAT operation is required even for pre-formatted disks.

To format a blank disk or card:

1. Insert a blank 3 1/2" double-density or high-density Floppy Disk into the Disk Slot, or if you are formatting a Card, insert the Card into the CompactFlash Card Slot on the back of the XE-1.
2. Touch the DISK Touch Tab or use the MENU/EXIT Touch Button to access the DISK UTIL Menu. You will now see the DISK UTIL Menu in the Information Center Display.

- Touch either the Number 13 or Number 14 Select Touch Button to select the FORMAT Menu.



You will now see two Menu selections - "MEDIA" and "FORMAT."

Media Type

This Advanced Feature allows you to select whether to format a Floppy Disk (FD) or CompactFlash Card (CARD).

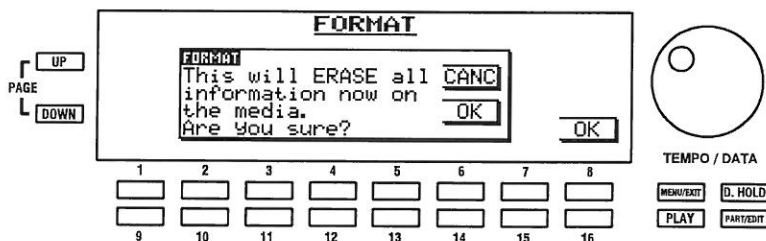
- Use the Number 3 Select Touch Button to select FD if you are formatting a Floppy Disk; or,
Use the Number 11 Select Touch Button to select CARD if you are formatting a CompactFlash Card.

Format Type

This Advanced Feature allows you to select the type of format you want to perform - "NORMAL" or "QUICK." The NORMAL Format is a complete "low-level" format which erases anything already on the Disk or Card and re-initializes it for use. The QUICK Format merely erases the contents of the Disk or Card, and is therefore faster than the NORMAL Format.

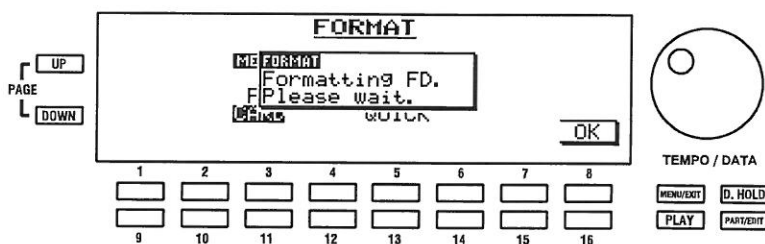
- Use the Number 5 Select Touch Button to select NORM; or,
Use the Number 13 Select Touch Button to select QUICK.
- NOTE:** If you are formatting a Disk or Card for the first time, you cannot do a QUICK Format.
- Now touch the number 16 Select Touch Button to select "OK". If you DO NOT wish to format, touch the PLAY or MENU/EXIT Select Touch Button to exit the FORMAT Menu.

If you are Formatting a Disk or Card which already contains data, the following warning message will display:



If you DO NOT wish to overwrite the current contents of your Disk or Card, touch the Number 6 Select Touch Button to Cancel the FORMAT procedure. If you are sure you want to re-format the Disk or Card, touch the Number 14 ("OK") Select Touch Button.

Formatting a Disk will take about 1 minute. During that time, the Information Center Display will display the following message:



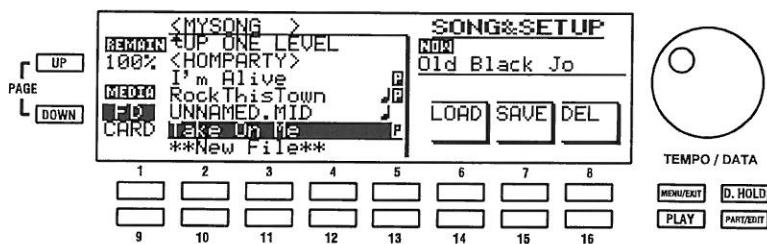
NOTE: If you are formatting a CompactFlash Card, the display will read, "Formatting Card. Please wait."

After Formatting is completed, the Information Center Display will return to the FORMAT Menu. You are now ready to begin recording songs, storing Presets or otherwise making use of your Disk or Card.

DISK UTIL - SONG & SETUP

Loading a Song from a Disk or Card

1. Insert a 3 1/2" Floppy Disk or a CompactFlash Card which contains Song data into the appropriate slot. The Information Center Display will look similar to this:



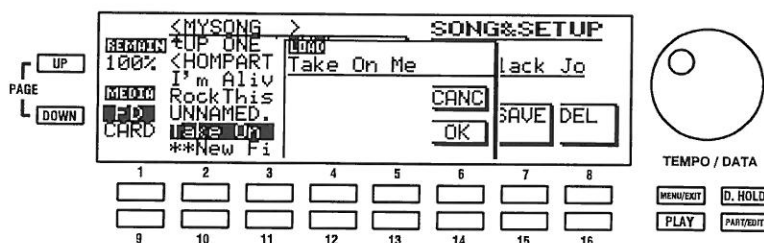
2. On the left side of the Information Center Display, you will see a list of song titles or file names. The current location is marked by a cursor which highlights the song name.

Use the Number 2, Number 3 or Number 4 Select Touch Button to scroll up through the selections.

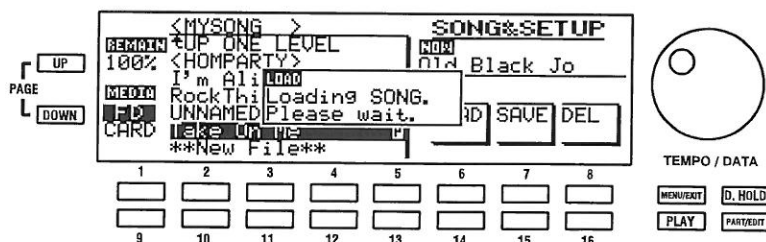
Use the Number 10, Number 11 or Number 12 Select Touch Button to scroll down through the selections.

A Disk or Card may contain a large number of songs; however, if a Disk contains fewer than that number, the Touch Buttons will continue scrolling until it has reached the last song on the Disk.

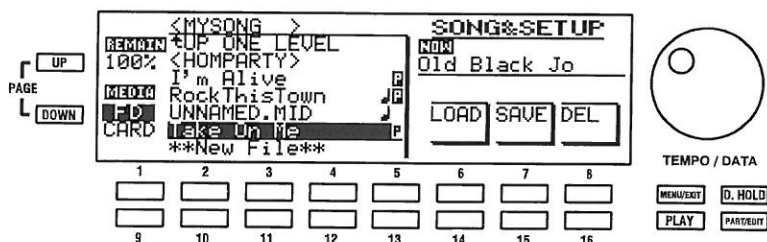
3. After you have made your selection, touch either the Number 6 or Number 14 Select Touch Button to select LOAD. The Information Center display will look similar to this:



4. If you do not want to load the song, touch the Number 6 Select Touch Button to select, "CANC." If you want to load the song, touch the Number 14 Select Touch Button to select, "OK." The Information Center Display will show:

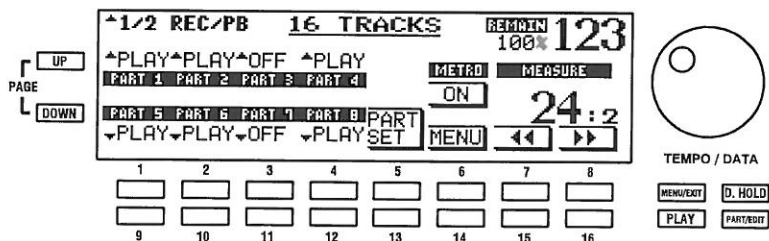


5. After the above message stops displaying,, the Information Center Display will look similar to this:



The REW/STOP (⏮) Touch Tab will also turn "ON" (red LED lit). This is to let you know that a song has been loaded into the XE-1's memory and that the song is ready to be played back.

6. Touch the PLAY/PAUSE (⏮/⏸) Touch Tab. The song will start playing and the Information Center Display will now show a screen similar to this:



If you wish to stop the song midway through, press the PLAY/PAUSE Touch Button. The song will stop playing.

If you wish to start the song at the point at which you stopped it, simply touch the PLAY/PAUSE Touch Button again. The song will start playing again and continue through to the end.

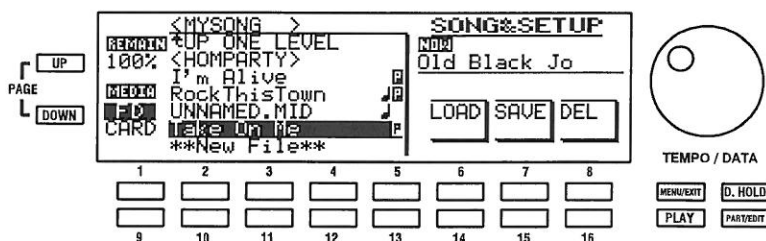
If you wish to start the song at a specific measure, touch the Number 15 and Number 16 Touch Buttons to scroll through the Measures until the Information Center Display shows the measure number you want. Then touch the PLAY/PAUSE Touch Tab to start the song playing at that measure.

If you wish to start the song over again from the beginning, touch the REW/STOP Touch Tab. This will reset the Information Center Display to measure 1 so that the song will start from the beginning. Then touch the PLAY/PAUSE Touch Tab to start the song playing.

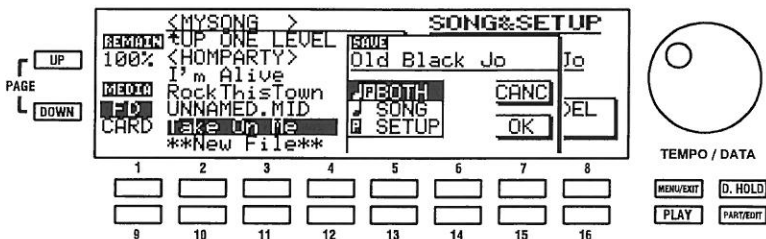
Saving a Song to a Disk or Card

A single high-density Floppy Disk can hold up to 50 songs.

1. Insert a formatted 3 1/2" double-density or high-density Floppy Disk or CompactFlash Card into the appropriate Slot.
2. Record a song or songs into the instrument's memory using the procedure described above under "Recording a Song". When you have finished, touch the STOP Touch Button. The Information Center Display will show the SONG/SET Menu.



3. If the Disk or Card you are using has Song data on it already and you don't want to erase any of it, touch the Number 10, Number 11 or Number 12 Select Touch Buttons until the words, "New File" are highlighted. Then touch the Number 15 Select Touch Button to select SAVE.

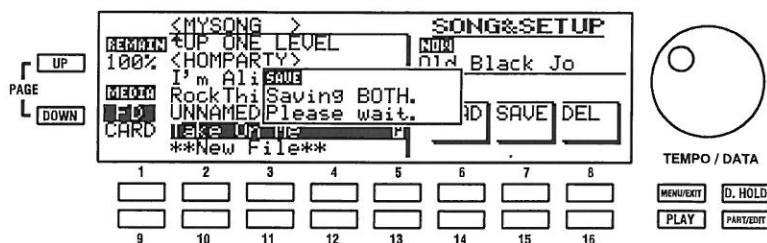


Notice that the Information Center Display shows three choices, "BOTH" and "SONG" and "SETUP.". This means that you can choose whether you want to save only the "SONG" data (the notes you played on the manuals and/or pedals), only the "SETUP" data (the registration changes you made) or the Song data plus whatever registration changes you made while playing your song ("BOTH.")

Use the Number 5 Select Touch Button to scroll up through the choices.

Use the Number 13 Select Touch Button to scroll down through the choices.

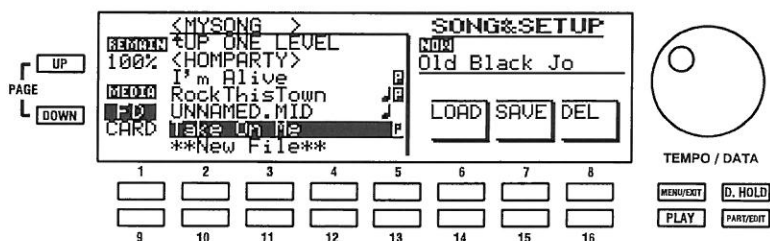
If you DO NOT want to save either the SONG or SETUP data, touch the Number 7 Select Touch Button to select "CANCEL." If you want to save your SONG and/or SETUP data, touch the Number 15 Select Touch Button to select "OK." The Information Center Display should look similar to this:



When the box, "Saving..." disappears and the screen returns to normal, your new Song and Setup is saved.

Deleting a Song from a Disk or Card

1. Insert a 3 1/2" Floppy Disk or a CompactFlash Card which contains Song data into the appropriate Slot. The Information Center Display will display the SONG/SET Menu.

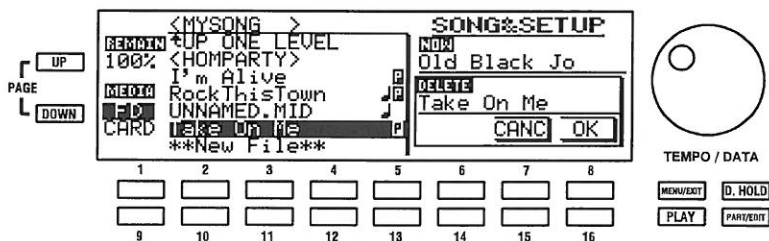


2. On the left side of the Information Center Display, you will see a list of song titles or file names. The current location is marked by a cursor which highlights the letter it is over.

Use the Number 2, Number 3, Number 4 or Number 5 Select Touch Button to scroll up through the selections.

Use the Number 10, Number 11, Number 12, or Number 13 Select Touch Button to scroll down through the selections.

3. When you have made your selection, touch the Number 8 or Number 16 Select Touch Button to select "DEL." The Information Center Display will then show "YES" and "NO" on the extreme right side. This is to confirm that you want to delete the selected Song.

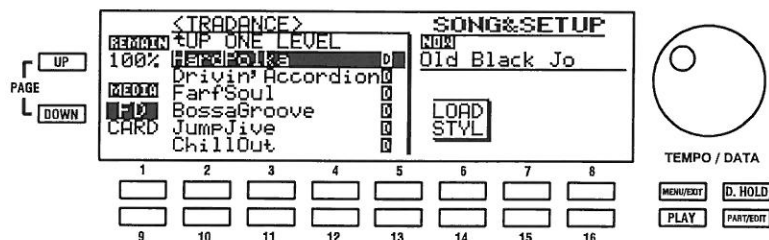


4. Touch the number 8 Select Touch Button to select "YES". If you DO NOT wish to delete the Song, touch the Number 7 Select Touch Button to select "CANC". If you select "OK", the Song will then be deleted from the Disk or Card.

NOTE: You may prevent data from accidentally being erased from a Disk by pushing the "write-protect" notch on the right edge of the disk "up", so that the hole on the right edge of the disk is unblocked. If you follow the steps for deleting songs on a disk that has been "write-protected" in this manner, no data will be deleted and an error message will display in the Information Center Display.

Loading Style Data from a Disk or Card

1. Insert a 3 1/2" Floppy Disk or a CompactFlash Card which contains Style data into the appropriate Slot. The Information Center Display will look similar to this:



2. Touch the Number 6 or Number 14 Select Touch Button to select LOAD STYL. The Information Center Display will now look like this:

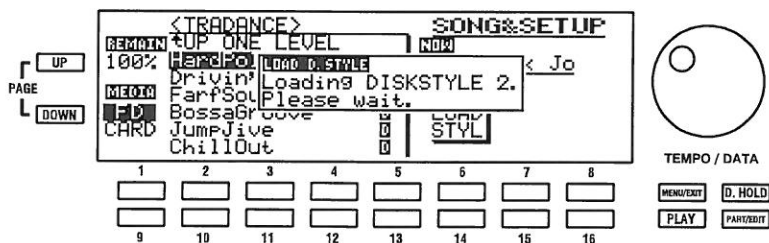


Notice that the Information Center Display shows, "DISKSTYLE1" and "DISKSTYLE2." This allows you to choose which Rhythm Touch Button you want to use to access the Disk Styles. If you choose "DISKSTYLE1," you would use the RHUMBA Touch Button to access the Disk Styles. If you choose "DISKSTYLE2," you would use the TANGO Touch Button to access the Disk Styles. (See the legends on the RHUMBA and TANGO Touch Buttons.)

3. Use the numbered Select Touch Buttons below the Information Center Display to select "DISKSTYLE1" or "DISKSTYLE2." The Number 5, 6 and 7 Touch Buttons will select "DISKSTYLE1," while the number 13, 14 and 15 Touch Buttons select "DISKSTYLE2." Your choice will be highlighted.

If you want to EXIT this Menu, touch the Number 8 Select Touch Button.

4. If you want to load s Style, after you have made your choice touch the number 16 Select Touch Button to begin downloading the Disk Styles. The Information Center Display should show the following:



When the SONG&SETUP Page returns, the Loading process is complete.

SPECIAL NOTE - Style Conversion Utility

In addition to the AutoBand Style Disks provided as part of the Hammond Style Library, your XE-1 will also utilize Style Data for the Technics® KN-5000 and Solton® MS-50 and MS-60.

The Style Data contained on these disks is in a different format than that contained on the Hammond AutoBand Style Disks; however, the format conversion is done automatically by the XE-1 operating system. Simply insert a Style Disk into the Disk Slot of your XE-1, and follow the instructions starting on page 148 for loading Style Data. The conversion time will vary depending on the complexity of the style data (possibly 1 to 3 minutes).

Playing the Loaded Styles

Touch and hold the Rhythm Touch Button which represents where the Disk Styles are loaded:

If you selected "DISKSTYLE1," touch and hold the RHUMBA Touch Button.

If you selected "DISKSTYLE2," touch and hold the TANGO Touch Button.

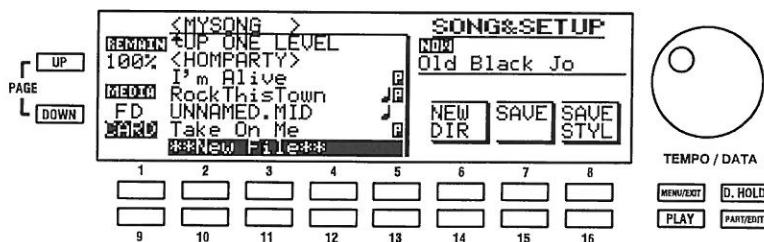
The Information Center Display should now display the different Rhythm choices. The Disk Styles will display from Page 2. Touch the PAGE UP Select Touch Button to the left of the screen to scroll up to Page 2. When you do this, you will see the Disk Styles displayed in the Information Center Display.

Use the numbered Touch Buttons to select the individual Rhythms just as you do with the built-in Rhythms.

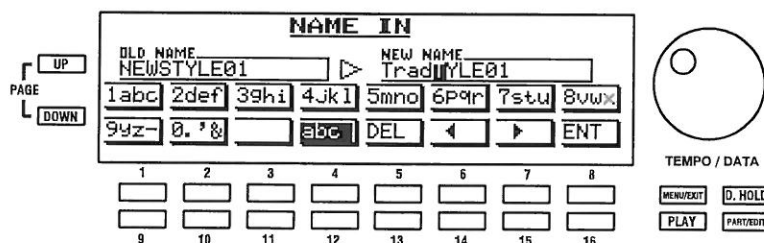
NOTE: The loaded styles will be retained in memory, even after the XE-1 is turned "OFF," until the XE-1 is reset.

Saving Style Data to a Disk or Card

1. Insert a 3 1/2" Floppy Disk or a CompactFlash Card into the appropriate Slot. The Information Center Display will look similar to this:



2. Touch the Number 8 or Number 16 Select Touch Button to select SAVE STYL. The Information Center Display will now look like this:



- Use the numbered Touch Buttons to name the Disk Style group. This name is the name given to all of the Styles which are accessible by one Rhythm Touch Button (either RHUMBA or TANGO). The current name will display in a box in the left part of the screen called "OLD NAME," while the new name will display in a box in the right part of the screen called "NEW NAME." The way the letters are displayed in the screen determines which numbered Touch Button you would use to make your choice. For example, use the Number 1 Touch Button to enter the characters, "1ABC," use the Number 2 Touch Button to enter the characters, "2DEF," etc.

Use the Number 11 Select Touch Button to enter a space.

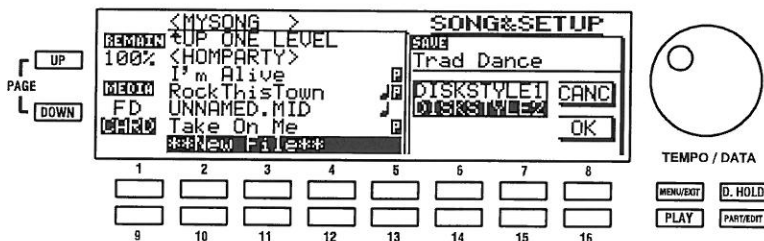
Use the Number 12 Select Touch Button to select upper- or lower-case letters. The letter boxes in the Information Center Display will show which type has been selected - "1ABC," or "1abc," for example.

Use the Number 13 Select Touch Button to delete a character.

Use the Number 14 and Number 15 Select Touch Button to scroll backward and forward through the characters.

Use the Number 16 Select Touch Buttons to enter characters after you have selected them using the other numbered Touch Buttons.

- After you have entered your name (up to 16 characters), touch the ENT (Number 16 Select Touch Button). The Information Center Display will now look similar to this:

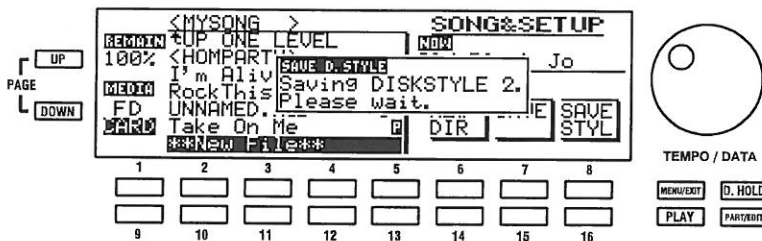


Notice that the Information Center Display shows, "DISKSTYLE1" and "DISKSTYLE2." This allows you to choose which Rhythm Touch Button contains the Style data you want to save. "DISKSTYLE1" is represented by the RHUMBA Touch Button, while "DISKSTYLE2" is represented by the TANGO Touch Button. (See the legends on the RHUMBA and TANGO Touch Buttons.)

- Use the numbered Select Touch Buttons below the Information Center Display to select "DISKSTYLE1" or "DISKSTYLE2." The Number 5, 6 and 7 Touch Buttons will select "DISKSTYLE1," while the number 13, 14 and 15 Touch Buttons select "DISKSTYLE2." Your choice will be highlighted.

If you want to exit this Menu, touch the Number 8 ("CANC") Select Touch Button.

- If you want to Save the Style group, after you have made your choice, touch the number 16 Select Touch Button to save your Styles. The Information Center Display will look similar to this:

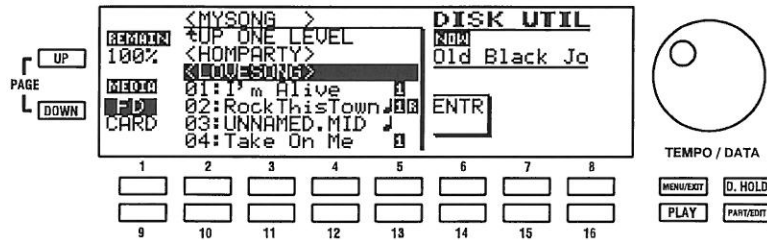


When the SONG&SETUP Page returns, the Styles have been saved.

"Directories"

Because a Disk or Card can contain a large number of Songs, it may be desirable to put different songs into different groups - for example, group all of the Rock songs together, all of the Jazz songs together, all Love Ballads together, etc. You can create Directories on a Disk or Card specifically for this purpose. A Directory is simply a location on a Disk or Card where you can store groups of files - similar to a drawer of a file cabinet.

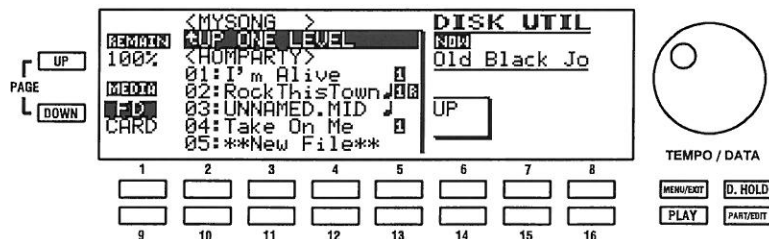
If a Disk or Card has Directories, when you view the contents using the Information Center Display you will see something similar to this:



A File Name will be shown normally, while a Directory name will be shown in brackets "<>." If the highlighter (long black bar indicating which File or Directory is selected), is over a File, three boxes - "LOAD" "SAVE" and "DEL" will appear on the right side of the screen, allowing you to Load, Save or Delete files. If you move the highlighter over a Directory name, a box "ENTR" will appear, allowing you to Enter, or see the contents of that Directory.

Touch the Number 6 or Number 14 Select Touch Button to select ENTR and see the contents of the selected Directory.

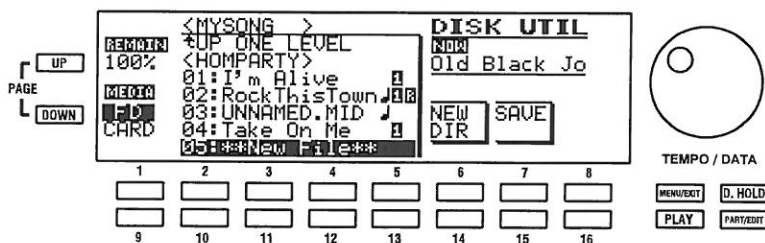
To see the contents of other Directories while the contents of a Directory are displaying, use the top row of numbered Touch Buttons to move the highlighter up to the top line in the display, which should read, "UP ONE LEVEL."



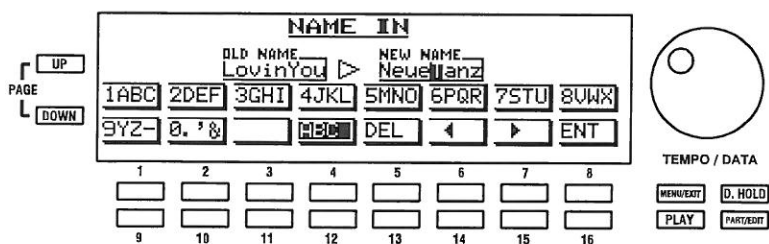
Touch the Number 6 or Number 14 Select Touch Button to select UP, which will move you out of the Directory that is currently displaying. Now you may move the highlighter over another Directory name and follow the above instructions to see its contents.

Creating a Directory

1. If you move the highlighter down as far as it will go, down to "***New File**," you will see two boxes - "NEW DIR" and "SAVE."



2. If you want to Save a file, select "SAVE" by touching the Number 7 or Number 15 Select Touch Button. If, however, you want to create a new directory, select "NEW DIR" by touching the Number 8 or Number 16 Select Touch Button. The Information Center Display will now look similar to this:



3. Use the numbered Touch Buttons to name the Directory. The current name will display in a box in the left part of the screen called "OLD NAME," while the new name will display in a box in the right part of the screen called "NEW NAME." The way the letters are displayed in the screen determines which numbered Touch Button you would use to make your choice. For example, use the Number 1 Touch Button to enter the characters, "1ABC," use the Number 2 Touch Button to enter the characters, "2DEF," etc.

Use the Number 11 Select Touch Button to enter a space.

Use the Number 12 Select Touch Button to select upper- or lower-case letters. The letter boxes in the Information Center Display will show which type has been selected - "1ABC," or "1abc," for example.

Use the Number 13 Select Touch Button to delete a character.

Use the Number 14 and Number 15 Select Touch Button to scroll backward and forward through the characters.

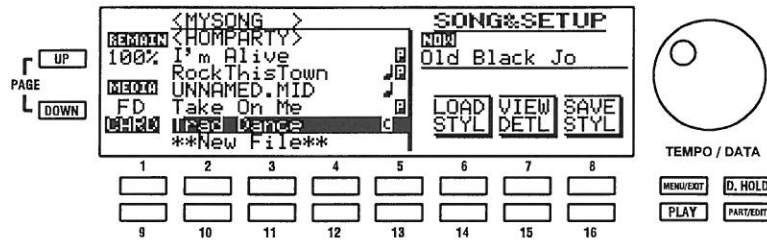
Use the Number 16 Select Touch Buttons to enter characters after you have selected them using the other numbered Touch Buttons.

4. After you have entered your name (up to 8 characters), touch the ENT (Number 16 Select Touch Button). A box will show in the Information Center Display, "Now saving...Please wait." When this box disappears and the screen returns to normal, your Directory name is saved, and you are now ready to Save files to your new Directory.

Types of Files

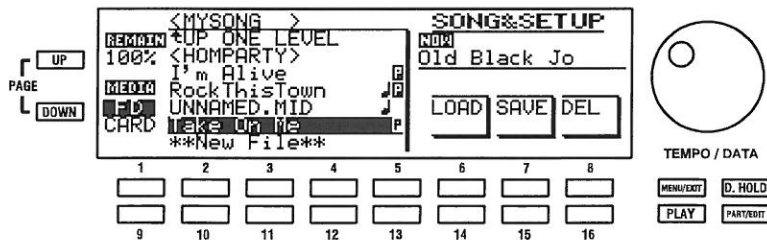
Because a Disk or Card can contain several different types of files, the choices available from the Information Center Display will vary according to the type of file selected.

For example, if a “Combined Rhythm File” is selected, the Information Center Display will look similar to this:



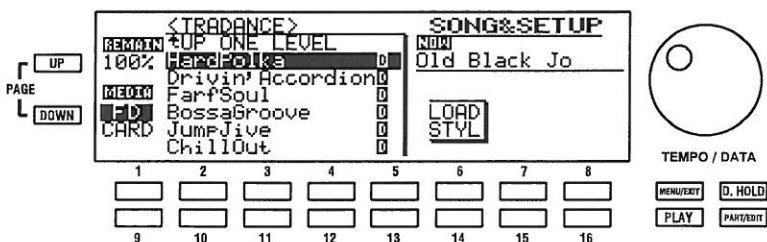
A “Combined Rhythm File” is a file which contains a quantity of Disk Styles, and is indicated by a “C.” The Information Center Display allows you to “LOAD” the file, “SAVE” the file or “VIEW DETL,” or see the details of what Rhythms the file contains.

If a “Song File” is selected, the Information Center Display will look similar to this:



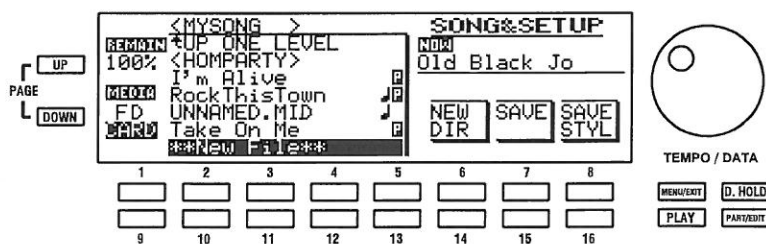
A Song File will be represented by a Quarter note symbol followed by a “P” if it also contains Preset data. The Information Center Display allows you to “LOAD” the file, “SAVE” the file or “DEL,” or delete the file.

If a “Disk Style File” is selected, the Information Center Display will look similar to this:



A Disk Style File will be represented by a “D.” The Information Center Display allows you to “LOAD” the file.

An area of the Disk or Card which does not yet contain data is represented by, "***New File**". If this area is highlighted, the Information Center Display will look similar to this:

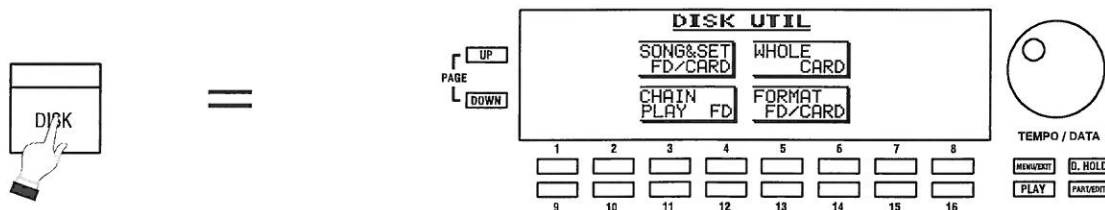


The Information Center Display allows you create a new Directory ("NEW DIR"), SAVE whatever File Type you wish, or save a Disk Style ("SAVE STYL").

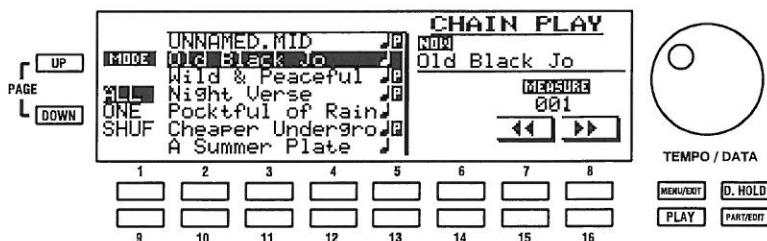
DISK UTIL - CHAIN PLAY

This Advanced Feature allows you to play multiple songs from a Disk or Card. To use this feature, do the following:

1. Insert a 3 1/2" Floppy Disk which contains Song data into the appropriate slot. The Information Center Display will display the SONG/SET Menu.
2. Touch the DISK Select Touch Button to display the DISK UTIL Menu.



3. Touch the Number 11 or Number 12 Select Touch Button to display the CHAIN PLAY Page.



4. On the left side of the Information Center Display, you will see a list of song titles or file names. The current location is marked by a cursor which highlights the letter it is over.

Use the Number 2, 3, 4 or 5 Select Touch Buttons to scroll up through the selections.

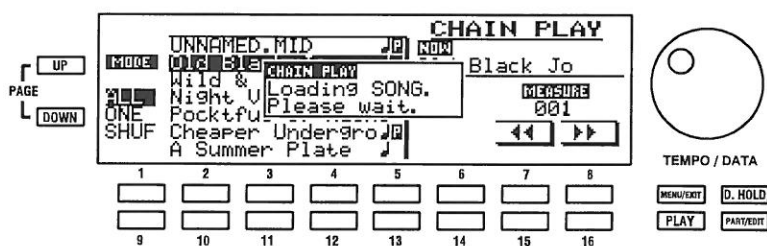
Use the Number 10, 11, 12 or 13 Select Touch Buttons to scroll down through the selections.

The Touch Buttons will continue scrolling until they have reached the last song on the Disk.

5. Use the Number 1 or Number 2 Select Touch Buttons to select the Mode. You can select "ONE" (the selected song will play repeatedly), "ALL" (the disk will play starting with the selected song and continue through to the end, at which time the first song from the disk will start playing and each song will then play

in the order in which they are on the disk) or “SHUF” (the order in which the songs play is “shuffled” so that song 4 may follow song 1, song 2 may follow song 8, etc.)

- After you have selected which Song you want to begin with, touch either the Number 6 or Number 14 Select Touch Button to select LOAD. The Information Center display will look similar to this:



- Touch the PLAY/PAUSE (▶/⏸) Touch Tab. The songs will begin playing from the disk and continue to play until you touch either the Number 15 or Number 16 Select Touch Buttons to select “STOP”.

If you wish to stop a song midway through, press the PLAY/PAUSE Touch Button. The song will stop playing.

If you wish to start the song at the point at which you stopped it, simply touch the PLAY/PAUSE Touch Button again. The song will start playing again and continue through to the end.

If you wish to start a song at a specific measure, touch the Number 15 and Number 16 Touch Buttons to scroll through the Measures until the Information Center Display shows the measure number you want. Then touch the PLAY/PAUSE Touch Tab to start the song playing at that measure.

If you wish to start a song over again from the beginning, touch the REW/STOP Touch Tab. This will reset the Information Center Display to measure 1 so that the song will start from the beginning. Then touch the PLAY/PAUSE Touch Tab to start the song playing.

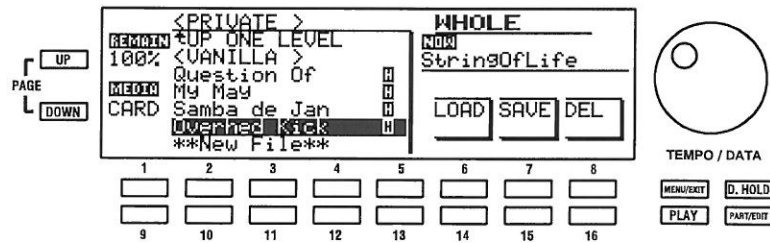
► DISK UTIL - WHOLE CARD

Because the XE-1 is a very flexible instrument with a great many ways to change its musical performance, it may be desirable to store the entire contents of memory - Presets, User Rhythms, Custom Styles, Custom Voices, etc. - to a CompactFlash Card to be retrieved later so that it is not necessary to re-program the entire instrument each time it is used. The XE-1 gives you this capability. You can create what is called a WHOLE CARD, which simply means the “whole” memory content of the instrument, and save it to a single CompactFlash Card for later use. You can even create a whole library of WHOLE CARDS for all of your different musical arrangements.

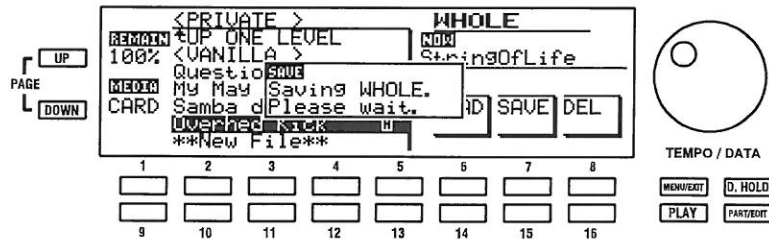
Saving a WHOLE CARD

- Program your XE-1 with your own Custom Styles, Rhythm Presets, Presets, Custom Voices, or other custom options you select.
- Insert a CompactFlash Card into the Card Slot.

3. Touch the DISK Touch Tab or use the MENU/EXIT Touch Button to access the DISK UTIL Menu. You will now see the DISK UTIL Menu in the Information Center Display.
4. Touch the Number 5 or Number 6 Select Touch Button to select the WHOLE CARD Menu. The Information Center Display will look similar to this:



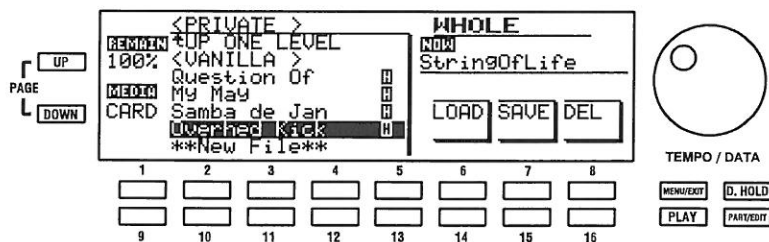
5. If the Card you are using has data on it already and you don't want to erase any of it, touch the Number 10, Number 11 or Number 12 Select Touch Buttons until the words, "New File" are highlighted. Then touch the Number 15 Select Touch Button to select SAVE.



When the box, "Saving WHOLE. Please wait." disappears and the screen returns to normal, your new WHOLE CARD is saved.

Loading a WHOLE CARD

1. Insert a CompactFlash Card which contains WHOLE CARD data into the Card Slot.
2. Touch the DISK Touch Tab or use the MENU/EXIT Touch Button to access the DISK UTIL Menu. You will now see the DISK UTIL Menu in the Information Center Display.
3. Touch the Number 5 or Number 6 Select Touch Button to select the WHOLE CARD Menu. The Information Center Display will look similar to this:

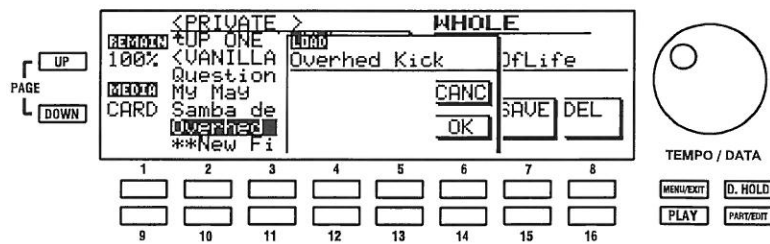


4. On the left side of the Information Center Display, you will see a list of file names. The current location is marked by a cursor which highlights the name.

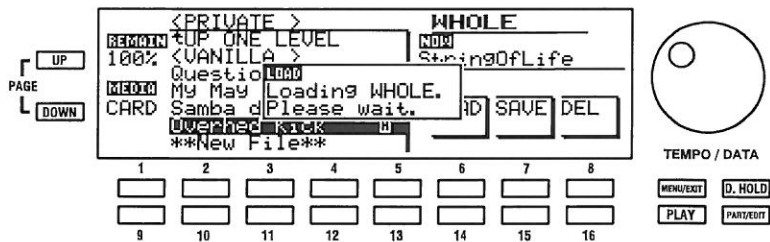
Use the Number 2, Number 3 or Number 4 Select Touch Button to scroll up through the selections.

Use the Number 10, Number 11 or Number 12 Select Touch Button to scroll down through the selections.

- After you have made your selection, touch the Number 6 or Number 14 Select Touch Button to select LOAD. The Information Center display will look similar to this:



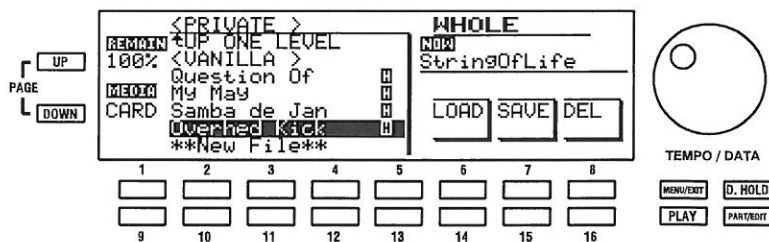
- If you do not want to load the WHOLE CARD, touch the Number 6 Select Touch Button to select, "CANC." If you want to load the song, touch the Number 14 Select Touch Button to select, "OK." The Information Center Display will show:



When the box, "Loading WHOLE. Please wait." disappears and the screen returns to normal, your new WHOLE CARD has been loaded into the XE-1's memory.

Deleting a WHOLE CARD

- Insert a CompactFlash Card which contains WHOLE CARD data into the Card Slot.
- Touch the DISK Touch Tab or use the MENU/EXIT Touch Button to access the DISK UTIL Menu. You will now see the DISK UTIL Menu in the Information Center Display.
- Touch the Number 5 or Number 6 Select Touch Button to select the WHOLE CARD Menu. The Information Center Display will look similar to this:

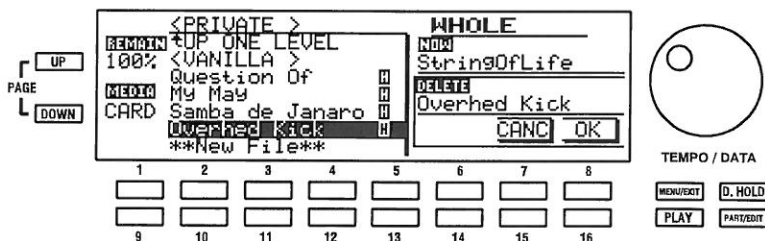


- On the left side of the Information Center Display, you will see a list of file names. The current location is marked by a cursor which highlights the letter it is over.

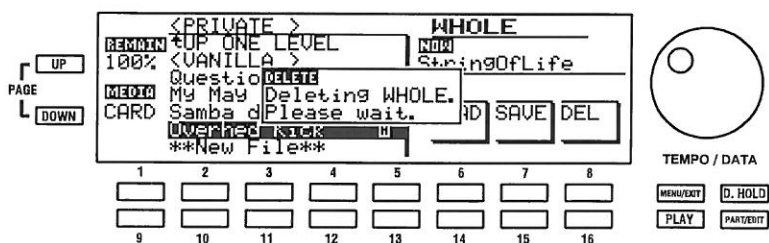
Use the Number 2, Number 3, Number 4 or Number 5 Select Touch Button to scroll up through the selections.

Use the Number 10, Number 11, Number 12, or Number 13 Select Touch Button to scroll down through the selections.

- When you have made your selection, touch the Number 8 or Number 16 Select Touch Button to select “DEL.” The Information Center Display will then show “YES” and “NO” on the extreme right side. This is to confirm that you want to delete the selected WHOLE CARD.



- Touch the number 8 Select Touch Button to select “YES”. If you DO NOT wish to delete the WHOLE CARD, touch the Number 7 Select Touch Button to select “CANC”. If you select “OK”, the WHOLE CARD will then be deleted from the Card.



SPECIAL UTILITY FEATURES

◆ DEMO PLAY

Your Hammond XE-1 contains a number of in-built song and arrangements, called DEMO SONGS, which are intended to show off the full capabilities of the instrument.

DEMO Touch Tab

This Touch Tab allows you to play the inbuilt Demo Songs, as well as call up User Rhythms, which are rhythms you have programmed. How to select the function of this Touch Tab is covered starting on page 162.

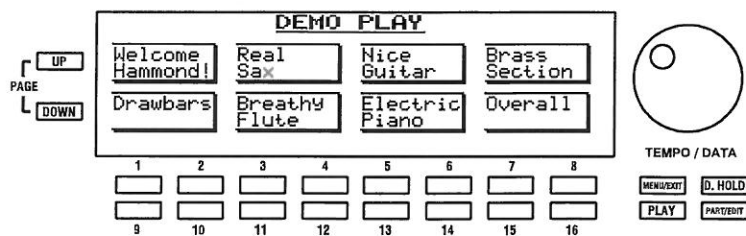
USER
RHYTHM

DEMO

Playing the Demo Songs

TRY THIS:

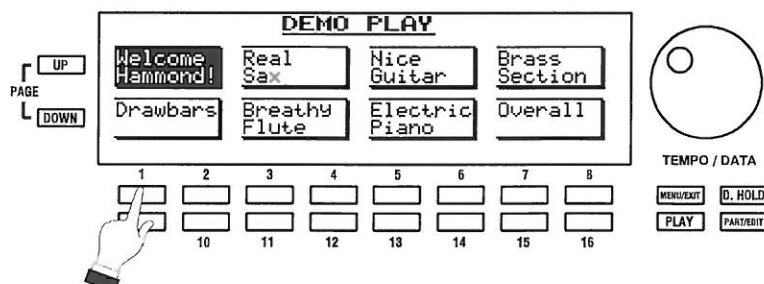
1. Touch the DEMO Touch Tab. The red LED will light, and the Information Center Display should look similar to this:



NOTE: If you see, "USER RHYTHMS," displayed at the top of the screen, you will need to change the function of the DEMO Touch Tab so that it selects the Demo Songs. How to do this is explained starting on page 162.

The song names are arranged in a pattern corresponding to that of the numbered Touch Buttons, similar to the Rhythms and Voices, both of which are described earlier. Touching one of the numbered Touch Buttons will highlight the selected Demo Song name, and that Demo Song will start playing.

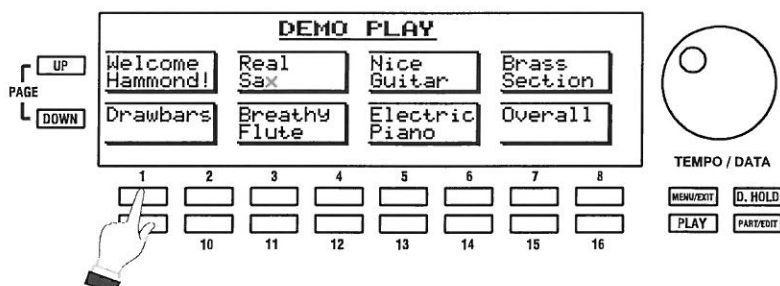
2. For this example, Touch either the Number 1 or Number 2 Select Touch Buttons. The Information Center Display will now look similar to this:



The first Demo Song will now start playing. When it is finished, the second Demo Song will play, then the third, and so on until all Demo Songs have played. The first Demo Song will then start playing again and the entire sequence will repeat.

The order in which the Demo Songs will play is: Top row left to right, then bottom row left to right, then top row again, bottom row again, etc.

3. To stop the Demo Song, simply touch the same Touch Button you touched to start the Demo Song.

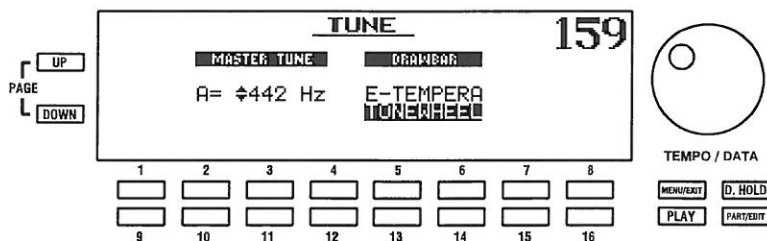


The Demo Song will now stop playing and the Demo Song name will now display normally in the Information Center Display.

To play another Demo Song, touch the appropriate Touch Button. The newly selected Demo Song will play, then the next one in order will start and the entire library of Demo Songs will play until you either touch the appropriate numbered Touch Button or touch the DEMO Touch Tab to turn the DEMO PLAY feature "OFF."

NOTE: While the XE-I is in DEMO PLAY Mode, touching the MENU/EXIT, PLAY, DISPLAY HOLD or PART/EDIT Touch Buttons will have no effect.

► TUNE Edit Menu



This Advanced Feature Menu allows you to change the overall tuning pitch of the entire instrument, and the tuning temperament of the Drawbars.

NOTE: This Advanced Feature Menu has no Shortcut. It is accessible only via the MENU/EXIT Touch Button.

Accessing the TUNE Edit Menu

1. From any of the PLAY Mode Pages, touch the MENU/EXIT Select Touch Button to see the first page of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display.
2. Touch either the Number 3 or Number 4 Select Touch Buttons. The words, "TUNE EDIT," will now display at the top of the screen.

The MASTER TUNE Advanced Feature allows you to change the overall pitch of the entire organ. The reference pitch is "A-440". The selectable range is from "A-430" through "A-450".

Use the Number 1 or Number 2 Select Touch Button to lower the pitch.

Use the Number 9 or Number 10 Select Touch Button to raise the pitch.

The TUNE MODE Advanced Feature allows you to select the tuning temperament of the Drawbars. You can select either "E-TEMPERA" (Equal Temperament) or "TONEWHEEL," which will alter the frequency of certain notes in a manner similar to the characteristics of the tone-wheel generator used in the B-3, C-3, RT-3 and A-100. The default mode is "TONEWHEEL".

Use the Number 3, Number 4, Number 11 or Number 12 Select Touch Buttons to change the Tune Mode of the organ.

NOTE: The change in temperament is a subtle effect. It will not be obvious to the untrained ear.

► SYSTEM Menu

This Advanced Feature Menu allows you to select how certain features of the XE-1 operating system will work.

Accessing the SYSTEM Menu:

1. From any of the PLAY Mode Pages, touch the MENU/EXIT Select Touch Button to see the first page of the MENU Mode. You will see "1/4" displayed in the extreme upper left corner of the Information Center Display.
2. Touch the PAGE DOWN Touch Button once. Page 4 of the MENU Mode will now display.
3. Touch either the Number 11 or Number 12 Select Touch Buttons. The word, "SYSTEM," will now display at the top of the screen.

SYSTEM Menu - Page 1



DEFAULT Mode - Reset Procedure

This Advanced Feature Menu Page allows you to reset the XE-1 to factory-default settings.

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

To perform a Reset of the instrument, do the following:

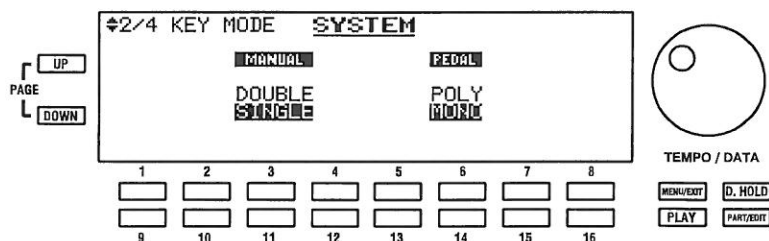
1. From the above page, use the numbered Touch Buttons to select which portions of the instrument will be Reset with factory-default settings:
 - "CANCEL" - This will reset the Cancel mode (the instrument's Control Panel settings when no Presets are active).
 - "C.PRESET" - This will reset the Combination Presets.
 - "R.PRESET" - This will reset the Rhythm Presets.
 - "C.VOICE" - This will reset the Custom Voices.
 - "C.STYLE" - This will reset the Custom Styles.
 - "USER RHY" - This will reset the User Rhythms.
 - "GLOBAL" - This will reset the Global Parameters.
 - "ALL" - This will reset the entire instrument.

Use either the Number 4 or Number 5 Select Touch Button to scroll up through the choices.

Use either the Number 11 or Number 12 Select Touch Button to scroll down through the choices.

2. Touch the Number 16 Select Touch Button to select "YES", and Reset the instrument to the default settings you have chosen. If you DO NOT wish to Reset, touch either the PLAY or the MENU/EXIT Select Touch Button.

SYSTEM Menu - Page 2



Manual Mode

Use this Advanced Feature when you want to connect another keyboard to your XE-1. If you are using another keyboard as your Lower Manual, set Manual Mode to "DOUBLE" so that features affecting manual operation, such as Keyboard Split, will work correctly. If you are using the XE-1 "as is," use "SINGLE" mode, which is the normal default setting.

Use the Number 3 Select Touch Button to select DOUBLE mode.

Use the Number 11 Select Touch Button to select SINGLE mode.

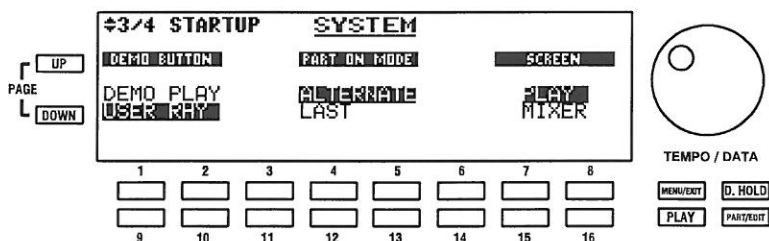
Pedal Mode

This Advanced Feature allows you to select whether the Pedals play only one note at a time or several notes at once.

Use the Number 6 Select Touch Button to select POLY (polyphonic - several notes at once).

Use the Number 14 Select Touch Button to select MONO (monophonic - one note).

SYSTEM Menu - Page 3



DEMO Touch Tab Mode

This Advanced Feature allows you to select whether you want to use the DEMO Touch Tab to play the inbuilt Demo Songs, or to play User Rhythms you have created using the RHYTHM EDIT Advanced Feature.

Use the Number 1 or Number 2 Select Touch Button to select DEMO PLAY.

Use the Number 9 or Number 10 Select Touch Button to select USER RHYTHM.

Part On Mode

This Advanced Feature allows you to select how the different Parts work with each other. You can select “ALTERNATE” (when one Part is selected, such as UPPER 1, any other Parts that might be on will automatically cancel) or “LAST” (the Parts are all additive, much like stops on an organ).

Use the Number 4 or Number 5 Select Touch Button to select ALTERNATE Mode.

Use the Number 12 or Number 13 Select Touch Button to select LAST Mode.

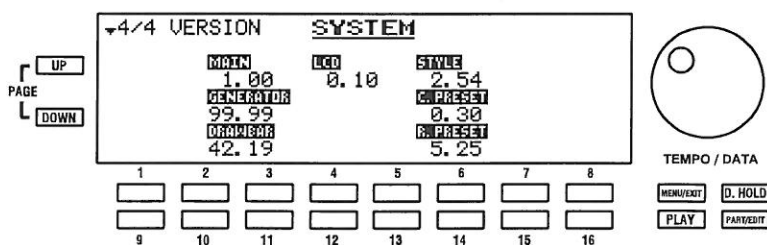
PLAY/MIXER Mode Select

This Advanced Feature allows you to select whether PLAY Mode or MIXER Mode is the first screen which displays after the XE-1 is first turned “ON” and after the introductory screen displays.

Use the Number 7 or Number 8 Select Touch Button to select PLAY Mode.

Use the Number 15 or Number 16 Select Touch Button to select MIXER Mode.

SYSTEM Menu - Page 4



Software Version

This Advanced Feature Menu Page allows you to see the software version of your XE-1. The software is in six sections: “MAIN” or the Main system program, “GENERATOR” or the tone generating system, “DRAWBAR,” “STYLE” or the Rhythm & Style-playing software, “C.PRESET” or the Combination Presets, and “R.PRESET” or the Rhythm Presets.

This page requires no button presses. It is simply an information screen to show the version of your software.

INSTRUMENT CARE

♦ AC Power

Be sure to turn the instrument "OFF" after use, and do not turn the unit "ON" and "OFF" in quick succession, as this places an undue load on the electronic components.

♦ Cabinet And Bench

As with any piece of furniture, direct sunlight can damage the finish of your instrument. Use a soft dry cloth for dusting. To remove fingerprints or dulling film, use a soft cloth slightly moisten with water and a little mild soap. Immediately wipe dry with a soft dry cloth.

♦ Keys And Buttons

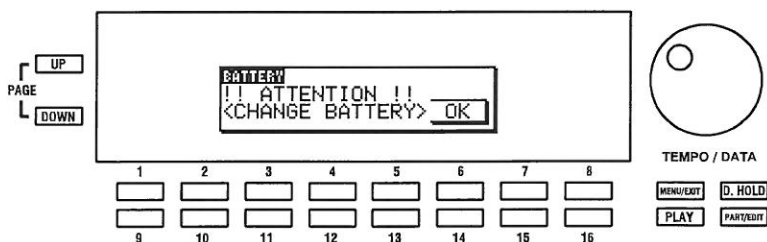
To clean keys and buttons, use a clean soft cloth moistened with water. Do not use any solvents, thinners or dryers such as alcohol, gasoline, lighter fluid, carbon tetrachloride, etc. These solutions may affect the letters and/or finish on the buttons and keys.

♦ Moving Your Instrument

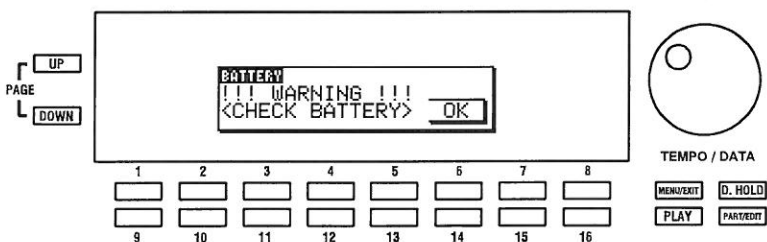
It is not necessary to bolt or fasten any parts of the instrument when moving. Careful consultation with your mover will assure you of a satisfactory moving job.

♦ IMPORTANT NOTE - BATTERY

Your Hammond XE-1 uses a battery-backed RAM to remember your changes to the Presets, User Rhythms, Custom Styles, etc. When the battery voltage becomes low, the Information Center Display will show:



If you see this message, you should immediately back up your parameter changes, if you have made any. If there is no battery installed in the unit, or if the battery is completely dead, the Information Center Display will show:



After the above message is displayed, the XE-1 will re-initialize itself, and the factory default settings will be restored. Therefore, it is a good idea to periodically back up your data.

CAUTION

Danger of explosion if lithium battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

ADVARSELL

Lithiumbatteri. Eksplosjonsfare ved feilagtig h ndering. Utskiftning m  kun ske med batteri af samme fabrikat og type. Leb r det brugte batteri tilbage til leverand ren.

Norge:**ADVARSEL**

Lithiumbatteri - Eksplosjonsfare. Ved utskiftning benyttes kun batteri som anbefalt av apparatfabrikanten. Brukt batteri returneres apparatleverand ren.

Sverige:**VARNING**

Explosionsfara vid felaktigt batteribyte. Anv nd samma batterityp eller et  kvivalent typ som rekommenderes av apparattillverkaren, Kassera anv nt batteri enligt fabrikantens instruktion.

Finland:**VAROITUS**

Paristo v i r j ht  , jos se on virheelliseeti ansennettu Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin, H v t  k ytetty paristo valmistajan ohjeiden mukaisesti.

Manufacturer assumes no responsibility for loss of memory caused by damage to the unit after purchase, such as power surges, battery replacement, repair, etc.
--

Hammond maintains a policy of continuously improving and upgrading its instruments and therefore reserves the right to change specifications without notice. Although every attempt has been made to insure the accuracy of the descriptive contents of this Guide, total accuracy cannot be guaranteed. Should the player require further assistance, inquiries should first be made to your Authorized Hammond Dealer. If you still need further assistance, contact Hammond at the following addresses:

In the United States contact:

HAMMOND SUZUKI USA, Inc.
733 Annoreno Dr.
Addison, IL 60101
UNITED STATES

In Europe and the U.K. contact:

HAMMOND SUZUKI EUROPE B.V
Ir. D.S. Tuynmanweg 4A
4131 PN Vianen
THE NETHERLANDS

All other countries contact:

HAMMOND SUZUKI Ltd.
25-12, Ryoke 2 Chome
Hamamatsu 430-0852 (Shizuoka)
JAPAN

Technical materials are available and can be obtained by mailing a request to the appropriate address listed above marked ATTENTION: SERVICE DEPARTMENT.

Manufacturer:

SUZUKI MUSICAL INSTRUMENT MFG. CO., Ltd
25-12, Ryoke 2 Chome
Hamamatsu 430-0852 (Shizuoka)
JAPAN

ACKNOWLEDGMENTS

In appreciation of the many fine players who have made their contributions to Hammond over the years:

Axel Alexander
Milt Buckner
Buddy Cole
Jesse Crawford
Wild Bill Davis
Jackie Davis
"Papa" John DeFrancesco
Joey DeFrancesco
Lenny Dee
Collins Driggs
Artie Dunn
Eddie Dunstedter
Charles Earland
Richard Ellsasser
Keith Emerson
Fred Feibel
Virgil Fox
Ken Griffin
Jon Hammond
Glenn Hardman
Porter Heaps
Richard "Groove" Holmes
Milt Herth
Bob Kames
Al Kooper
Eddie Layton
Jon Lord
Captain Jack McDuff
Jimmy McGriff
Lee Micheals
Don Patterson

Big John Patton
Richard Purvis
Bob Ralston
Rosa Rio
Freddie Roach
Bryan Rodwell
Dr. Mario Salvador
Shirley Scott
Hal Shutz
Ethel Smith
Jimmy Smith
Cor Steyn
Paul Taubman
Shay Torrent
Juan Torres
Rick Wakeman
Thomas "Fats" Waller
Walter Wanderly
Lew White
Baby Face Willette
George Wright
Klaus Wunderlich
Pietro Yon
Larry Young

and many others too numerous to list.

