

XP-60/80 Frequently Asked Questions

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The XP-60 and XP-80 have set the standard in the music industry for keyboard workstations. Features such as 64-voice polyphony, 16-part multitimbral operation, a 60,000-note sequencer, built-in disk drive, built-in effects, and lots of expandability make the XP-60 and XP-80 the choice for beginners to professional musicians. The purpose of this document is to answer some of the common questions asked of the Roland Product Support department by XP-60/80 owners in regards to their operation. This document is not intended to be a replacement for the Owner's Manual. For additional support information, check out our supplemental notes titled XP-80 Sequencing Basics, and XP-60/80 Advanced Sequencing. These are available from our FaxBack system (documents # 21016 and 21061) and website (www.rolandus.com). Please note that the XP-60 and XP-80 are functionally identical and all procedures apply to either instrument.

Topics

We will cover the following topics in this document:

- I. How Do I Select a Patch, Performance, or Rhythm Kit?
- II. How Do I Split the Keyboard?
- III. How Do I Enter and Exit GM Mode?
- IV. How Do I Write a Patch or Performance into Memory?
- V. How Do I Clear the Sequencer Memory
- VI. How Do I Play the Demo Song?
- VII. How Do I Play a Sequence from Disk?
- VIII. How Do I Record a Sequence?
- IX. How Do I Sync a Beat Loop to a Sequence?
- X. How Do I Control the Rotary Effect with a Footswitch?
- XI. How Do I Filter Control Change Messages?
- XII. How Do I Initialize the XP-60/80?
- XIII. How Do I Format a Disk?
- XIV. How Do I Switch Keyboard Modes Remotely?
- XV. How Do I Select Patches Remotely?
- XVI. What are SYS-CTRL1 and SYS-CTRL2?
- XVII. How Do I load JV-Series Patches into the XP-60/80?

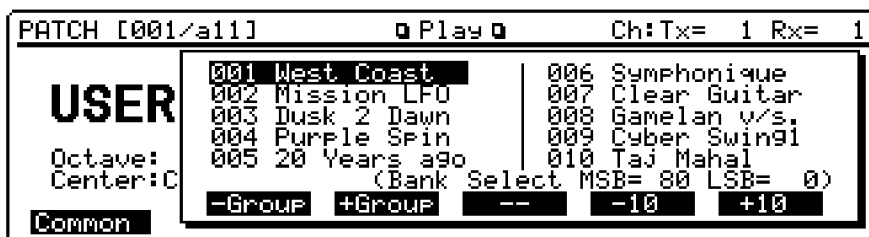
I. How Do I Select a Patch, Performance, or Rhythm Kit?

Selecting Patches

The XP-60/80 has 540 on-board Patches. Use the following procedure to select a Patch:

- 1) Press PATCH, then press SOUND LIST (see Fig. 1).
- 2) Use the F2 [-Group] and F3 [+Group] buttons to select the desired Patch group.
- 3) Use the VALUE dial to select the desired Patch.
- 4) Press EXIT.
- 5) Play the keyboard to hear the selected Patch.

Fig. 1
Patch Selection
Screen with
Sound List



Selecting Performances

A Performance is a collection of up to 15 Patches and a Rhythm Set that can be assigned in different ways on the XP-60/80. Use the following procedure to select one of the 96 Performances in the XP-60/80:

- 1) Press PERFORM.
- 2) Hold SHIFT and press 0,1 or 2 for the desired Performance bank.
- 3) Use the VALUE dial to select the desired Performance.
- 4) Play the keyboard to hear the selected Performance.



An ideal Performance to use as a template for sequencing is PR-A: 12 POP SET 1 (see section VII).

Selecting Rhythm Sets

The XP-60/80 has 10 Rhythm Sets. Use the following procedure to select a Rhythm Set:

- 1) Press RHYTHM.
- 2) Use the VALUE dial to select the desired Rhythm Set.
- 3) Play the keyboard to hear the selected Rhythm Set.

II. How Do I Split the Keyboard?

Splitting the keyboard allows you to play 2 or more sounds simultaneously on separate sections of the keyboard. For the purposes of this example, we will use Performance "USER:16 Bass / Lead."

- 1) Press PERFORM.
- 2) Use the VALUE dial to select "USER:16 Bass / Lead."
- 3) Press LOCAL/TX/RX, then press F1.
- 4) CURSOR to KEY MODE and use the VALUE dial to select "LAYER."
- 5) CURSOR to LOCAL SW and press the TRACK/PART buttons 1 and 2 so they are lit.

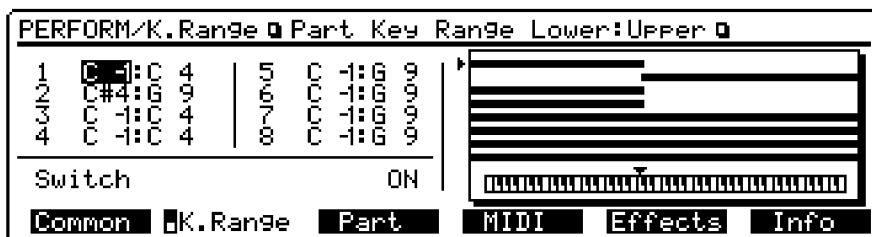


Fig. 2
Performance
Key Range Box

- 6) Press PERFORM, then press F2 [K. Range] (see Fig. 2).
- 7) Use the VALUE dial to select "C-1:C4" for the Part 1 Key Range and "C#4:G9" for the Part 2 Key Range.

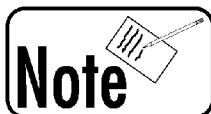
There will now be a Bass Patch for the lower keyboard range and a solo Synth Patch for the upper keyboard range. Use the following procedure to select different sounds:

- 1) Press F3 [Part], then press the TRACK/PART 1 button.
- 2) Use the CURSOR buttons and the VALUE dial to select the desired Patch Group and Patch Number for the upper part of the keyboard.
- 3) Press the TRACK/PART 2 button and repeat step 2 to select the desired Patch for the lower part.

III. How Do I Enter and Exit GM Mode?

GM Mode is normally used when playing back Standard MIDI Files. Use the following procedure if you would like to enter or exit GM Mode manually:

- 1) Hold SHIFT and press PERFORM to enter GM Mode.
- 2) Press PERFORM or PATCH to exit GM Mode.



You can also use the GM sounds in Performance Mode if you wish to mix them with other XP-60/80 sounds.

IV. How Do I Write a Patch or Performance into Memory?

When you have edited a Patch, Performance or Rhythm Set in the XP-60/80, you must save it to memory if you wish to keep the changes. Use the following procedure:

- 1) Press UTILITY followed by F1 [Write].
- 2) Use the VALUE dial to select a destination Patch, Performance or Rhythm Kit and press F6 [Execute].
- 3) If Write Protect is ON, use the VALUE dial to select OFF, press ENTER, then press F6 again to execute.

V. How Do I Clear the Sequencer Memory?

Occasionally, you may wish to erase a song or clear the memory in the sequencer before you start a new song. Use the following procedure to clear the sequencer memory:

- 1) Press UTILITY.
- 2) Press "6" on the 10 key-pad.
- 3) Press ENTER followed by F6 [Execute].

VI. How Do I Play the Demo Song?

Use the following procedure to play the on-board Demo Song of the XP-60/80:



Playing the Demo Song will erase the current song.

- 1) Hold SEQUENCER and press CHAIN PLAY.
- 2) Press F5 [OK].
- 3) Press STOP to end playback.

VII. How Do I Play a Sequence from Disk?

Any song on a disk (SMF or MRC-Pro) can be played back without having to load it into internal memory:

- 1) Insert a disk that contains an XP-Series sequence or Standard MIDI File (SMF).
- 2) Press SEQUENCER.
- 3) Press F6 [List] to view a list of the songs on the disk.
- 4) Use the VALUE dial to select a song.
- 5) Press PLAY.

VIII. How Do I Record a Sequence?

Sequencing on the XP-60/80 is usually done in Performance mode. This allows you to record and play more than one sound at a time. For this example, we will use "PR-A:12 POP SET 1" because it has all 16 parts turned on and set to separate MIDI channels. This will allow you to record separate Tracks with different instruments (e.g. a Piano on Track 1 and a Bass Guitar on Track 2).

- 1) Press PERFORM.
- 2) Use the VALUE dial to select "PR-A:12 POP SET 1."
- 3) Press SEQUENCER (see Fig. 3).

Fig. 3
Main Sequencer
Screen



- 4) CURSOR to TRK and press the TRACK 1 button to select Part 1 and Track 1.
- 5) CURSOR to PART 1 and use the VALUE dial to select the desired Patch.
- 6) Press REC.
- 7) CURSOR to Tempo (the quarter note) and use the VALUE dial to select the desired setting.
- 8) CURSOR to Loop and use the VALUE dial to select the desired setting.
- 8) Press PLAY and record your performance after the count in. Press STOP when finished.
- 9) After recording, hold SHIFT and press BWD to rewind to the beginning of the sequence.
- 10) CURSOR to TRK and press the TRACK 2 button to select Part 2 and Track 2.
- 11) Cursor to PART 2 and use the VALUE dial to select the desired Patch.
- 12) Repeat steps 6-9 to record Track 2.



For more in-depth sequencing information, please consult the XP-80 Basic Sequencing and Advanced Sequencing Supplemental Notes. These are available from our Faxback system (documents #21016 and 21061) and website (www.rolandus.com).

IX. How Do I Sync a Beat Loop to a Sequence?

Expansion boards are a great way to add new sounds to your XP-60 or XP-80. The following expansion boards include beat loops (percussion samples that repeat rhythmically):

- ◆ SR-JV80-06 Dance Expansion Board
- ◆ SR-JV80-10 Bass and Drums Expansion Board
- ◆ SR-JV80-11 Techno Expansion Board
- ◆ SR-JV80-12 Hip Hop Expansion Board
- ◆ SR-JV80-14 Asia Expansion Board

For this example, we will use the SR-JV80-10 Bass & Drums Expansion board in Expansion Slot A:

- 1) Hold PERFORM and press PATCH.
- 2) Hold SHIFT and press the number 5 to access the sounds in EXP Slot A (Bass & Drums).
- 3) Use the VALUE dial to select a beat-loop (Patches 115-128).
- 4) Press F2 [WG] followed by F1 [WG Prm] (see Fig.4).
- 5) CURSOR to <TONE DELAY> MODE and use the VALUE dial to select "TEMPO-SYNC."

**Fig. 4
Wave Parameter
Screen**

PATCH/WG	Wave Param	Tone 1---
Wave Group	INT-A	FXM Switch OFF
Wave Number	001	FXM Color 2
(Ac Piano1 A)		FXM Depth 1
Wave Gain	0	<Tone Delay>
Tone Switch	ON	Mode NORMAL
		Time 0
WG Prm	Pitch Pch Env	JumpUP JumpLF0 Palette

- 6) Press PERFORM, then press F1 [Common].
- 7) CURSOR to CLOCK SOURCE and use the VALUE dial to select "SEQUENCER."
- 8) Play a key on the keyboard to trigger the beat loop and it will play back in time with your internal sequencer.

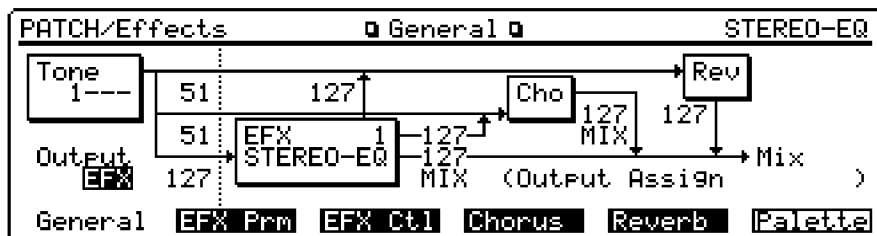
Use the following procedure if you would like to use an external sequencer or drum machine to control the speed of the Beat-loop.

- 1) Press SEQUENCER, then press F1 [Setup].
- 2) CURSOR to SyncMode and use the VALUE dial to select "SLAVE." Press EXIT.
- 3) Press PLAY on the XP-60/80. Now when you trigger the beat loop, it will play back in time with the external device.

X. How Do I Control the Rotary Effect With an Expression Pedal or Sustain Pedal?

The rotary effect in the XP-60/80 can be controlled from a foot pedal so you can switch the speed without having to stop playing the keyboard. You can use the DP-2, DP-6, or FS-5U footswitches, or EV-5 or FV-300L expression pedals with the XP-60 and XP-80. Use the following procedure:

- 1) Plug a pedal into the CONTROL PEDAL 1 jack.
- 2) Press SYSTEM, then press F4 [Control] to display the Pedal Assign screen.
- 3) CURSOR to Pedal 1 Assign and use the VALUE dial to select "CC04: FOOT-TYPE."
- 4) Press PATCH.
- 5) Use the VALUE dial to select "PR-A:046 Full Stops."



- 6) Press F6 [Effects], then press F1 [General] (see Fig. 5).
- 7) CURSOR to Output and use the VALUE dial to select "EFX."

**Fig. 5
General Effects
Screen**

- 8) CURSOR to the center box and use the VALUE dial to select "#8" (ROTARY).
- 9) CURSOR to Output Assign and use the VALUE dial to select "MIX."
- 10) CURSOR UP once and use the VALUE dial to select "127" for the EFX Output Level.
- 11) Press F2 [EFX Prm].
- 12) CURSOR to Speed and use the the VALUE dial to select "SLOW."
- 13) CURSOR to Level and use the VALUE dial to select "127."
- 14) Press F3 [EFX Ctl].
- 15) CURSOR to EFX Ctrl 1 and use the VALUE dial to select "SLOW."
- 16) CURSOR to Level and use the VALUE dial to select "FOOT: +63 > (Speed)."

The Rotary effect will now speed up when the pedal is depressed (or pushed down) and slow down when the pedal is released (or pulled up). Remember to write this patch to memory to save these settings (see section IV).

XI. How Do I Filter Control Change Messages?

The XP-60 and XP-80 retain Control Change (CC), Aftertouch, and Pitch Bend values for each Part of a Performance. If a CC (such as volume) is sent to any Part, that Part has now been altered for the entire Performance Mode. When a new Performance is selected (via MIDI or front panel), it will reflect the previous CC values for each Part. Let's say you use a foot pedal to turn down a Piano Patch on Part 1 of a Performance. Now when you switch to another Performance, whatever sound is on Part one will also be turned down. One way to avoid this is to set the Performance to ignore these MIDI messages. Use the following procedure:

- 1) Press PERFORMANCE.
- 2) Use the RIGHT and LEFT CURSOR buttons to select the Part you wish to edit.
- 3) Press F4 [MIDI].
- 4) CURSOR to Rx Volume Switch and Rx Hold-1 Switch and use the VALUE dial to select "OFF."

XII. How Do I Initialize the XP-60/80?



Use the following procedure to reinitialize the XP-60/80:

Initializing the XP-60 or XP-80 will reset all User Patches, Performances, and Rhythm Kits to their factory defaults and erase any custom settings!

- 1) Press UTILITY.
- 2) Press "8" on the 10-key pad and press ENTER.
- 3) Press F6 [Execute].

XIII. How Do I Format a Disk?



When you use a new disk you will have to format it before it can be used with the XP-60/80. You can also format a disk if you want to erase the disk:

This procedure will erase all contents of the disk!

- 1) Press DISK.
- 2) Press F3 [Format] and use the CURSOR buttons and the VALUE dial to name the disk.
- 3) Press F6 [Execute].
- 4) Press F5 [OK], then press EXIT.

XIV. How Do I Switch Keyboard Modes Remotely?

Fig. 6
SysEx messages
for changing
Keyboard Modes

In some setups, you may wish to switch the Keyboard Mode of the XP-60/80 from an external MIDI device such as a sequencer. System exclusive (Sysex) messages can be used to change between Performance, Patch and General MIDI modes on the XP-60/80. These messages can be created on most hardware and software sequencers. If you are unsure of how to use these messages in your sequencer or application, please consult your sequencer manual or manufacturer. Use the Sysex messages in Fig. 6 to change modes:

To select Patch Mode:	F0 41 10 6A 12 00 00 00 00 01 7F F7
To select Performance Mode:	F0 41 10 6A 12 00 00 00 00 00 00 F7
To turn on General MIDI Mode:	F0 41 10 6A 12 00 00 00 00 02 7E F7
To turn off General MIDI Mode:	F0 7E 7F 09 02 F7

Please note that it is important to leave the unit number of the XP-60/80 at 17 for these messages to work. Use the following procedure to set this parameter:

- 1) Press SYSTEM, then press F3 [MIDI] to display the MIDI Parameter 1 screen.
- 2) CURSOR to Device ID Number and use the VALUE dial to select "17."

XV. How Do I Select Patches Remotely?

In addition to choosing sounds from the front panel, all of the sounds in the XP-60 and XP-80 can be accessed through MIDI. There are 128 Program Change messages available in MIDI. For instruments that contain more than 128 sounds, Bank Select messages (continuous controllers 0 and 32) are used to select groups (banks) of Patches. The XP-60/80 uses controller 0 to select the main Patch bank that you want (e.g., internal memory, card, or expansion board), then it uses controller 32 to choose the appropriate "sub-bank" (e.g., expansion board A, Patches 1-128). Software sequencers often have built-in Patch lists for various MIDI instruments. Simply configure your software with the appropriate XP-60/80 patch list. If you are unsure how to access patch lists within your software, consult the owner's manual for your program. If your program does not have

How do I Select Patches Remotely? (cont.)

a specific Patch list for the XP-60/80, then you can use the chart in Fig. 7 to input the appropriate bank select and program change messages manually.

**Fig. 7
Bank Select
messages**

<u>Patch Group</u>	<u>Patch #</u>	<u>CC00</u>	<u>CC32</u>	<u>Prog#</u>	<u>Bank #</u>
User	1-128	80	0	0-127	10240
Preset A	1-128	81	0	0-127	10368
Preset B	1-128	81	1	0-127	10369
Preset C	1-128	81	2	0-127	10370
Preset D (GM)	1-128	81	3	0-127	10371
Data Card	1-128	82	0	0-127	10623
PCM Card	1-128	83	0	0-127	10624
Expansion A	1-128	84	0	0-127	10752
Expansion A	129-256	84	1	0-127	10753
Expansion B	1-128	84	2	0-127	10754
Expansion B	129-256	84	3	0-127	10755
Expansion C	1-128	84	4	0-127	10756
Expansion C	129-256	84	3	0-127	10757
Expansion D	1-128	84	6	0-127	10758
Expansion D	129-256	84	7	0-127	10759

For example, to call up Patch 21 from the Wave Expansion Board A, put the following information into your sequence:

Controller 0 = 84
 Controller 32 = 0
 Program Change = 21

These commands must appear in the following order: controller 0, controller 32, then the program change. Some sequencers use a single bank number in place of CCO and CC32. If that is the case, use the value listed under Bank # in figure 7 in place of the CC00 and CC32 values.



You should leave some blank space (one measure is usually enough) at the beginning of your song. This way, your keyboard will have time to recall the Patches before the music starts.

XVI. What are SYS-CTRL 1 and SYS-CTRL2?

Certain Patch and Effects parameters can be modified in real time by controllers, adding an additional amount of expressiveness to a performance. These controllers include aftertouch (key pressure), modulation, foot pedal, and a special type called 'System Controllers.' System Controllers allow you to globally assign a MIDI controller to one of two System Controller locations. For example, the XP-60/80 contains many Patches that respond to aftertouch. Let's say you are using a remote keyboard that transmits modulation but does not transmit aftertouch. Because most of these Patches are programmed to respond to aftertouch as a System Controller, you can reassign modulation as a System Controller, in place of aftertouch, and use it to control the Patches in the XP-60/80.

Use the following procedure to assign the System Controllers:

- 1) Press SYSTEM.
- 2) Press F4 [Control] to select the Control Assign page.
- 3) CURSOR to Sys-Ctrl 1 and use the VALUE dial to select the desired controller (defaults to CC97: Aftertouch).
- 4) CURSOR to Sys-Ctrl 2 and use the VALUE dial to select the desired controller (defaults to CC02: Breath).

XVII. How Do I Load my JV-Series Patches into the XP-60/80?

The XP-80 will accept SysEx dumps from the JV-80, JV-880, JV-90 and JV-1000. However, you must do a bulk dump of the 'Temporary Memory' - one Patch at a time. Here is an example of this procedure using an XP-80 and a JV-80:

- 1) Connect a MIDI cable from the MIDI OUT of the JV-80 to the MIDI IN of the XP-80.
- 2) Press WRITE on the JV-80.
- 3) CURSOR to BULK and press ENTER on the JV-80.
- 4) CURSOR to TEMPORARY and press ENTER on the JV-80.

How do I Load my JV-Series Patches into the XP-60/80? (cont.)

- 5) CURSOR to PATCH and press ENTER on the JV-80.
- 6) Press ENTER on the JV-80. The currently selected Patch in the JV-80 will be transferred to the XP-60/80.

Use the Write procedure (see section IV) if you wish to save this new Patch in the XP-60/80.

As you can see, the XP-60 and XP-80 are powerful all-in-one workstations, full of many useful and helpful features. We hope that this document has provided you the answers to some of the questions most commonly asked of the Roland Product Support team here at Roland U.S.

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