

# Technics

D	I	G	I	T	A	L	
E	N	S	E	M	B	L	E

SX-PR50V  
SX-PR250  
SX-PR350



**Vol. 1 BASIC FUNCTIONS**



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

"This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate the electronic musical instrument with respect to the receiver
- move the electronic musical instrument away from the receiver
- plug the electronic musical instrument into a different outlet so that electronic musical instrument and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: 'How to Identify and Resolve Radio-TV Interference Problems.' This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00345-4."

The model number of this product is found on the rear of the unit.

The model number and serial number are found underneath the keyboard.

Please note the model and serial numbers in the space provided below and retain this sheet as a permanent record of your purchase to aid identification in the event of theft.

MODEL NUMBER \_\_\_\_\_

SERIAL NUMBER \_\_\_\_\_

# ***Before you play***

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For a long and pleasurable use of this instrument, and to gain a thorough understanding of your PR Series Digital Ensemble's wonderful capabilities, it is strongly recommended that you first read through this Owner's Manual.

The Owner's Manual is comprised of the following parts.

## **BASIC FUNCTIONS**

### **VOL. 1:**

Please read all of this part.

This volume includes an explanation of basic procedures and some important points you should be aware of for proper operation of your instrument.

## **PRACTICAL APPLICATIONS**

### **VOL. 2:**

Read the parts which are relevant to the functions you wish to use.

This volume comprises a detailed explanation of sounds, effects, rhythms, **SEQUENCER**, **COMPOSER**, Digital Disk Recorder (SY-FD20), function-setting, and MIDI functions.

## **REFERENCE GUIDE**

Reference guide for the contents of the **SOUND VARIATION** and **ONE TOUCH PLAY** settings.

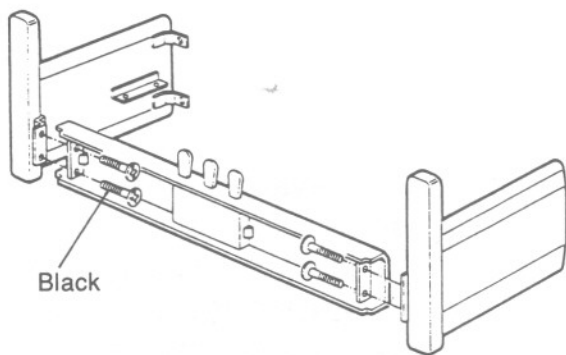
# Assembly

Assemble your Technics piano as shown in the following figures.

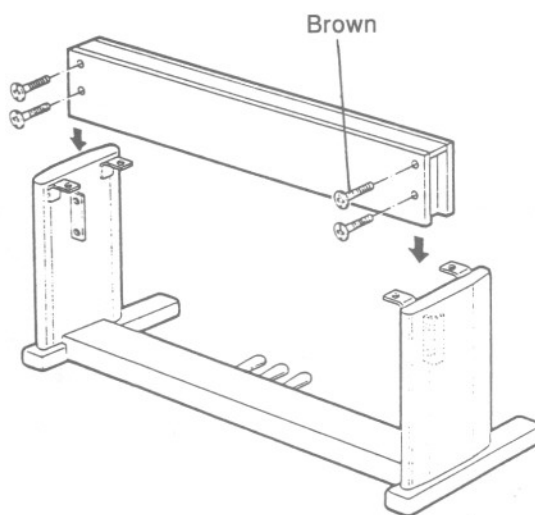
- To disassemble the piano, reverse the procedure.
- To prevent the piano from falling off the stand, secure it firmly with the bolts.

## PR50V/PR250

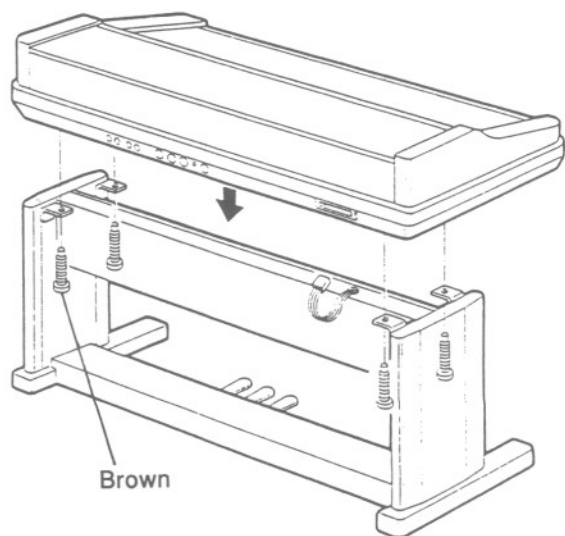
1



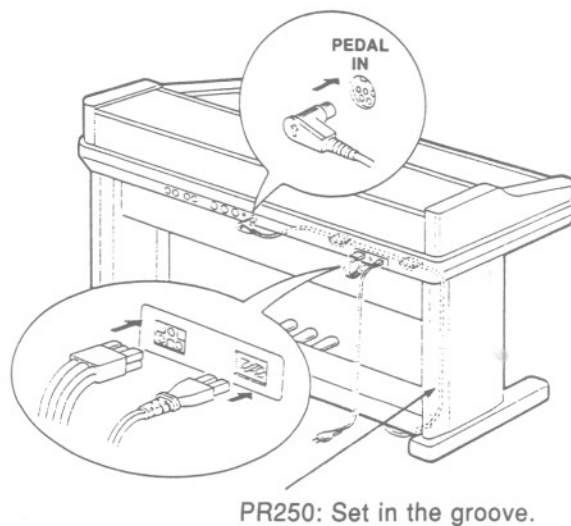
2



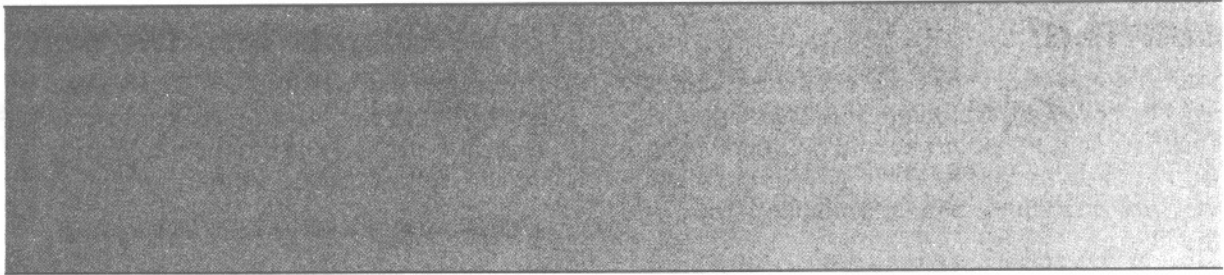
3



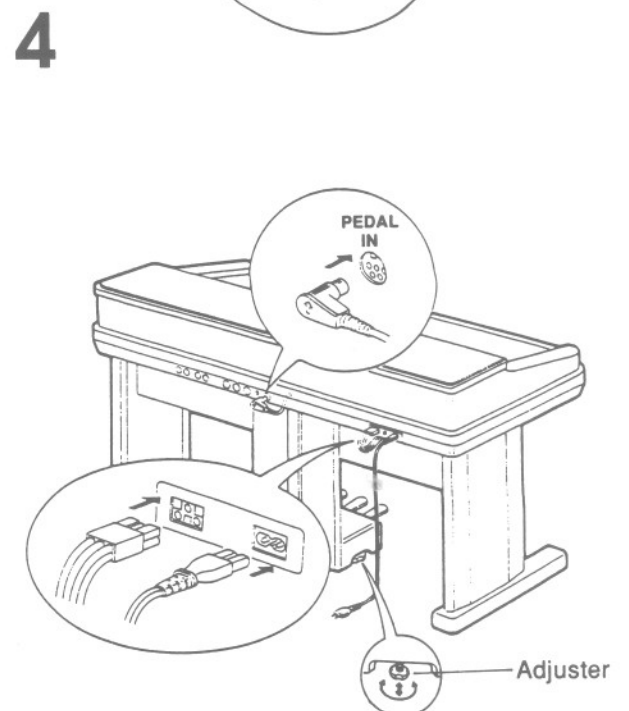
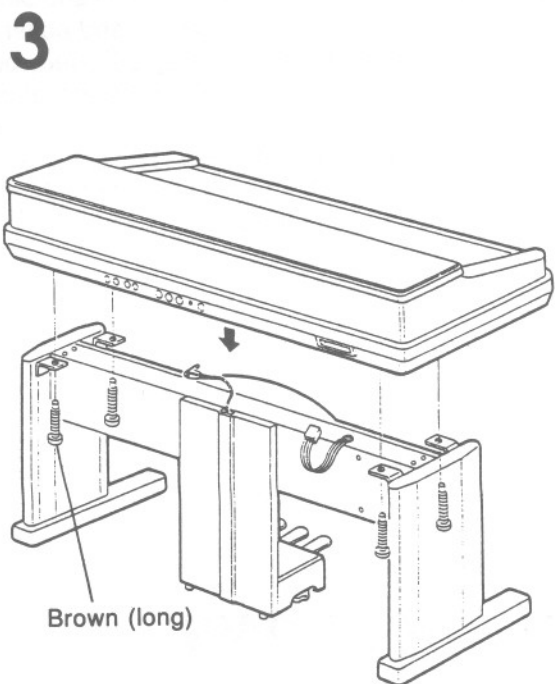
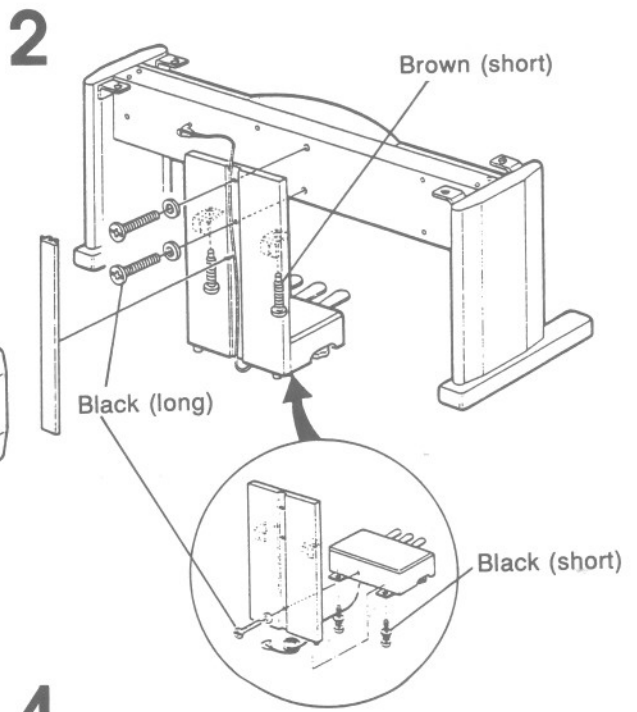
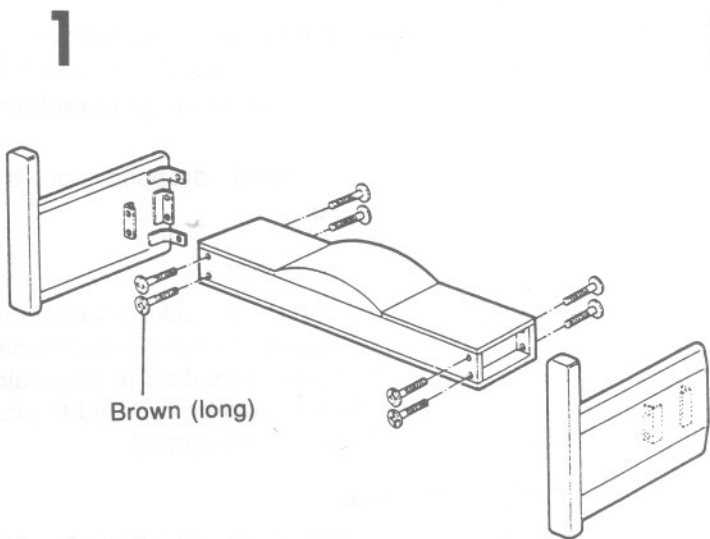
4







**PR350**



• Use two adjusters to stabilize the pedal box.

# Important Safety Instructions

## **WARNING!**

When using this unit, basic precautions should always be followed, including the following:

- Children using this unit should be supervised.
- Do not use this unit near water—for example, in a wet basement, near a swimming pool, or the like.
- This unit should be used only with a stand that is recommended by the manufacturer.

## **Installation location**

- Take care to use this unit in a place where it will receive sufficient ventilation. Do not permit the ventilation holes to be covered by curtains or any similar materials.
- Place it away from direct sunlight and excessive heat from heating equipment.
- Place it where humidity, vibration and dust are minimized.

## **Power source**

1. Use only a 120V AC power source.
2. DC power cannot be used.

## **Handling the power cord**

- Never touch the power cord, or its plug, with wet hands.
- Don't pull the power cord.
- The power cord of this unit should be unplugged from the outlet when the unit is left unused for a long period of time.

## **Metal items inside the unit may result in electric shock or damage.**

Do not permit metal articles to get inside the unit. Be especially careful with regard to this point if children are near this unit. They should be warned never to try to put anything inside.

## **Protect your hearing**

This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause a permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.

## **If water gets into the unit...**

Case should be taken so that liquids are not spilled in the unit. As a precaution, it is suggested that flower vases and other containers which hold liquids not be placed on the top of this unit.

## **When to request service**

The product should be serviced by qualified service personnel when:

- A. The power cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the unit; or
- C. The product has been exposed to rain; or
- D. The product does not appear to operate normally or exhibits a marked change in performance; or
- E. The product has been dropped, or the enclosure damaged.

## **Service and repair**

Never try to remove the top or back panels of this unit, or to touch inside parts by hand or with tools. All servicing beyond that described in the Maintenance section below should be referred to your dealer or qualified service personnel.

## **Maintenance**

- Be sure to switch this unit off after use, and do not switch the unit on and off in quick succession, as this places an undue load on the electronic components.
- To maintain the luster of the keys and buttons, wipe with a clean, damp cloth, and polish with a soft, dry cloth. Polish may be used, but do not use thinners or petro-chemical-based polishes.
- A wax-based polish may be used on the cabinet, although you will find that rubbing with a soft cloth will suffice.

**SAVE THESE INSTRUCTIONS**

# **BASIC FUNCTIONS**

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# Names and functions

## DIGITAL REVERB

(PR250/PR350)

Adds a reverberation effect to the sound.

(Refer to Vol. 2, page 6.)

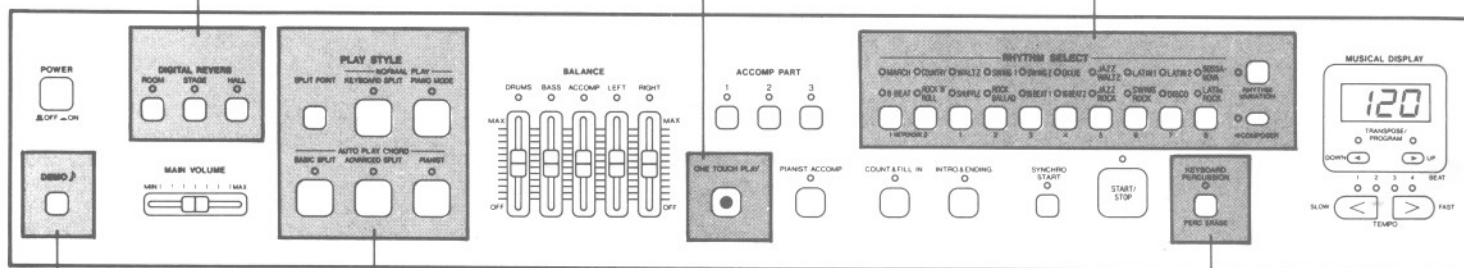
## RHYTHM SELECT

Choose preset automatic rhythm patterns. Each rhythm pattern also has a corresponding variation you can choose.

(Refer to Vol. 2, page 9.)

## ONE TOUCH PLAY

Sounds and effects which fit the selected rhythm are automatically selected. (Refer to Vol. 2, page 16.)



## PLAY STYLE

Select the standard piano keyboard or one of various other performance styles. (Refer to Vol. 2, page 2.)

## KEYBOARD PERCUSSION

Play percussion instrument sounds on the keyboard. (Refer to Vol. 2, page 12.)

## DEMO

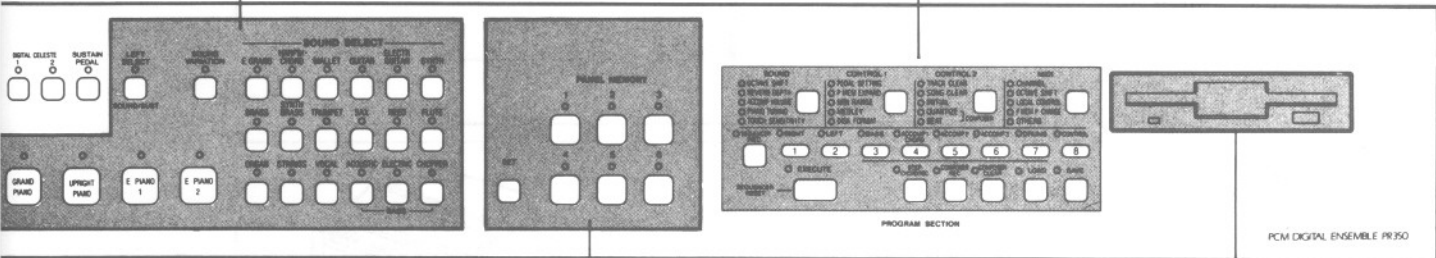
You can listen to programmed demonstration tunes which show what your Digital Ensemble can do. (Refer to page 10.)

### SOUND SELECT

You can select from four piano-type sounds. Or choose one of the many non-piano sounds, for each of which a variation is also available. (Refer to Vol. 2, page 3.)

### PROGRAM SECTION

These buttons are used when setting the functions for the **SEQUENCER**, **COMPOSER** or **MIDI**, when using some of the Digital Disk Recorder functions, and when custom-setting any of the numerous programmable functions. (Refer to Vol. 2, page 17.)



### PANEL MEMORY

Store the current panel settings for instant recall. (Refer to Vol. 2, page 16.)

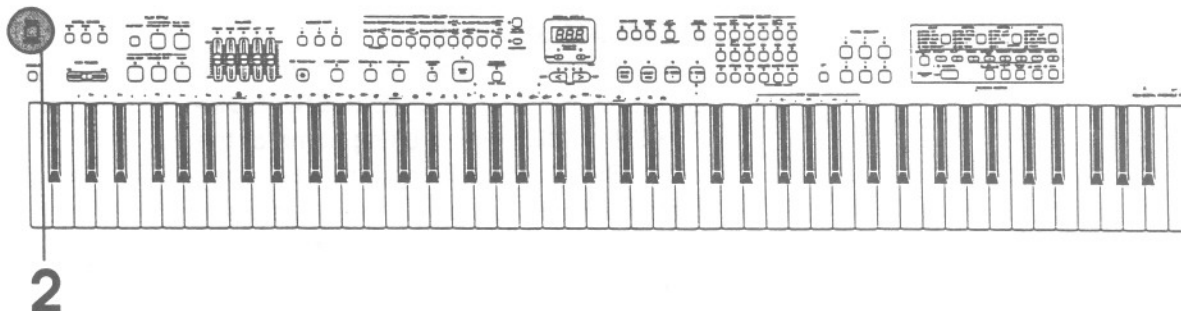
### Digital Disk Recorder

(sold separately on the PR50V/PR250)  
The Digital Disk Recorder allows you to store up to 20 performances on a memory disk. (Refer to Vol. 2, page 31.)

\*This panel illustration is of the SX-PR350.

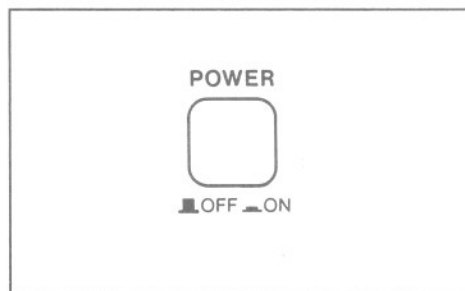
# Basic operating guide

## Setting up



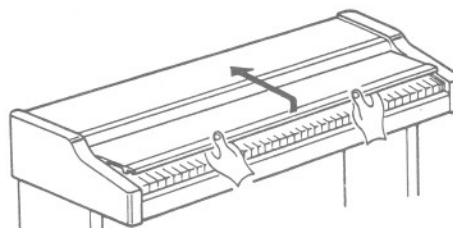
**1** Plug the power cord into an outlet.

**2** Press the **POWER** button to turn it on.



### Keyboard cover

Open and close the cover slowly.



### Music Stand

#### ■ PR50V/PR250

Raise the music stand from its folded-down position. Use the metal supports behind the music stand to keep it in the raised position, as shown in the illustration.



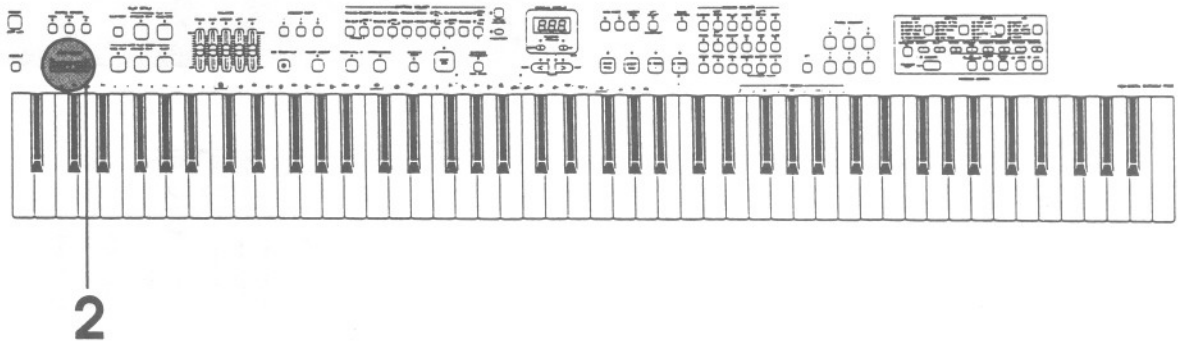
#### ■ PR350

1. Place the music stand board on the upper panel of the piano.



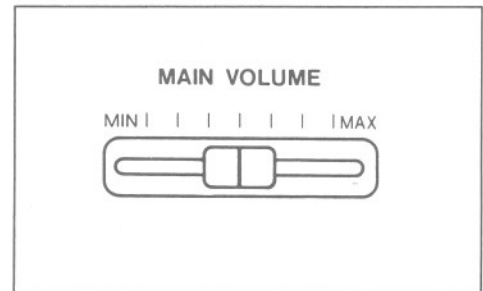
2. Raise the music stand from its folded-down position. Use the metal supports behind the music stand to keep it in the raised position, as shown in the illustration.

## Playing



- 1 | Play the keyboard. You hear the **PIANO** sound.

- 2 | Set the **MAIN VOLUME** to an appropriate level with the sliding control.



- Your piano features Touch Response, by which you control the volume by playing the keys harder or softer.

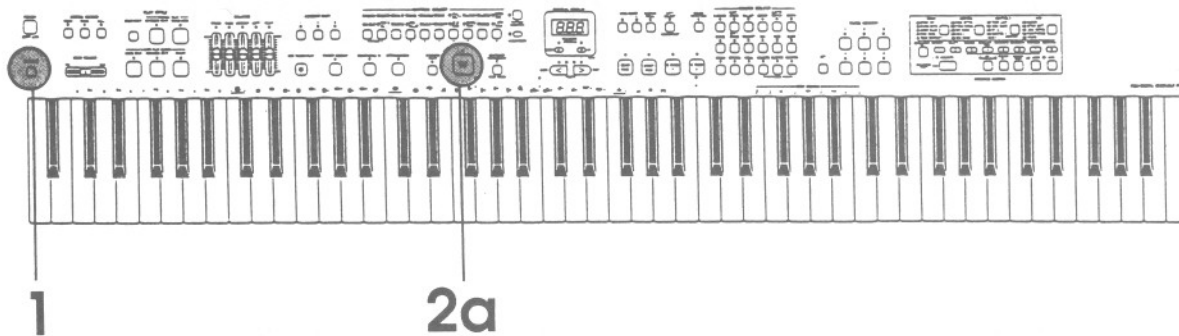
### Tuning

Unlike an acoustic piano, your PR Series Digital Ensemble does not need tuning even after a long period of use.

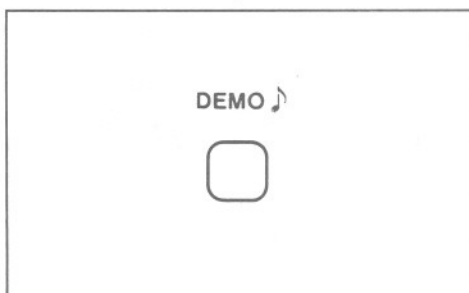
# Listen to the demonstration tunes

## Demonstration performance

A demonstration performance has been preset in your piano. Listen to the demonstration and you will hear what kind of performance is possible by using the PCM life-like sounds and various capabilities of your PR Series Digital Ensemble.



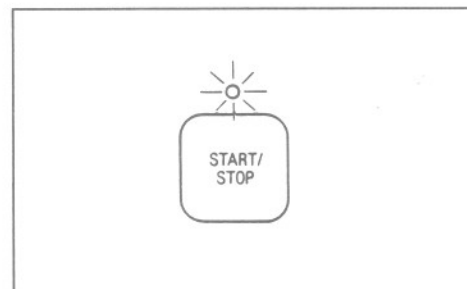
**1** Press the **DEMO** button.



**2** Start the demonstration performance. There are two ways to listen to the demonstration performance.

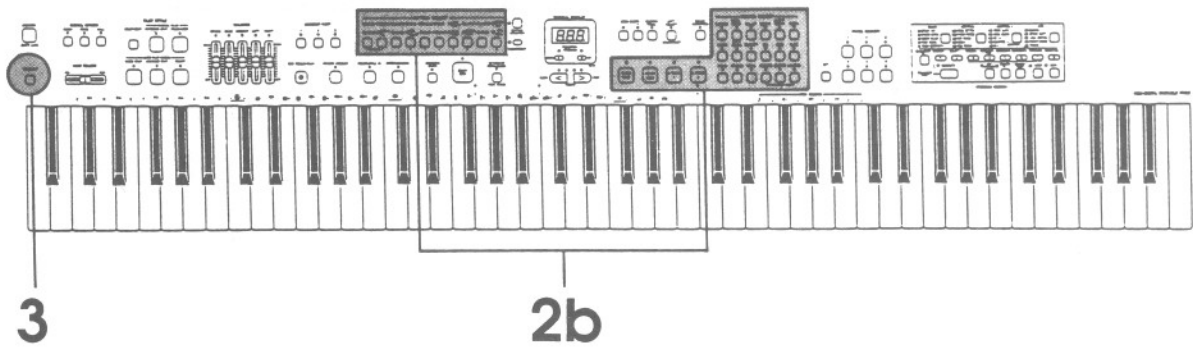
**a** Listen to the demonstration tunes in order.

Press the **START/STOP** button. Tunes which demonstrate each sound and rhythm pattern are played in order.



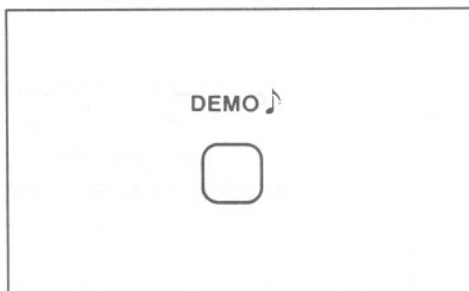
- The indicator for the rhythm pattern or sound which is being demonstrated flashes during the performance.
- If you press the button whose indicator is flashing during the demonstration performance, the current rhythm or sound demonstration stops and the following demonstration begins.





- 
- b** | **Select a particular demonstrable sound or rhythm.**  
Press any button whose indicator is flashing. The corresponding rhythm or sound demonstration performance will begin.

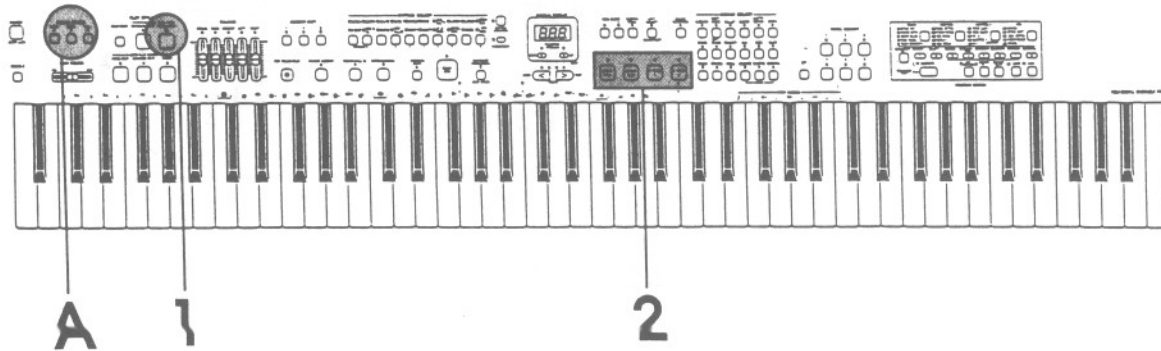
- 3** | When you are finished listening to the demonstration tunes, press the **DEMO** 🎵 button again.



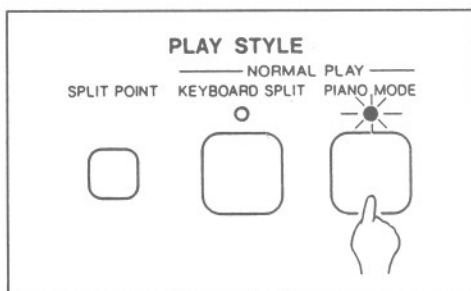
- 
- The other buttons and keys do not function while the demonstration performances are being played.

# Piano performance

Your piano is equipped with various voices which make it an extremely versatile instrument. But first of all it is a fine piano. Select one of the piano sounds and enjoy its excellent quality.



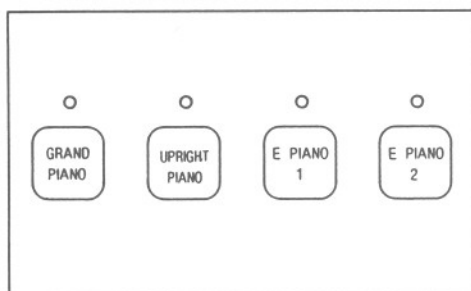
- 1** In the **PLAY STYLE** section, press the **PIANO MODE** button to turn it on.



- The **PIANO MODE** indicator lights.
- **PIANO MODE** is the default selection when the instrument is first turned on.

- 2** Select one of the piano sounds by pressing the corresponding button.

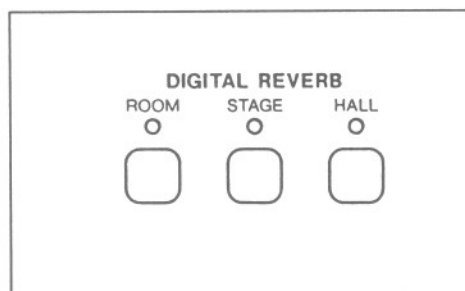
- Select one of the four available piano sounds.



- 3** Play anywhere the keyboard.

## Add reverb (PR250/PR350)

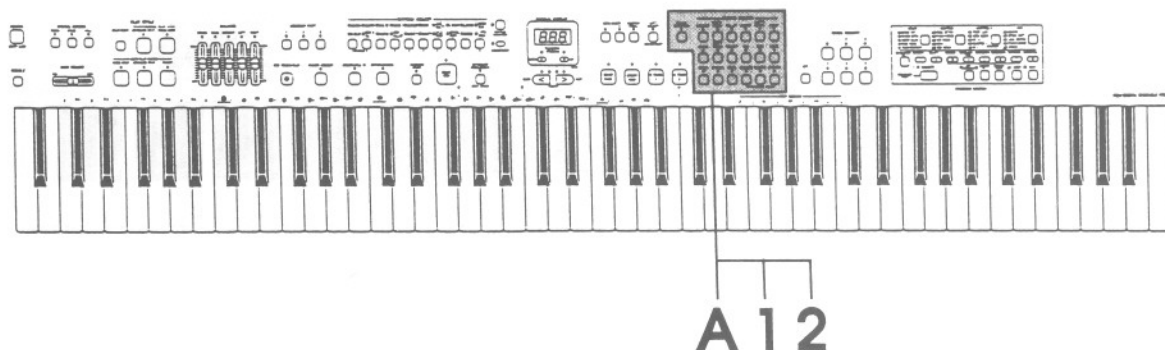
- A** Press one of the three **DIGITAL REVERB** buttons to add the desired reverberation effect to the sound (**ROOM**, **STAGE** or **HALL**).



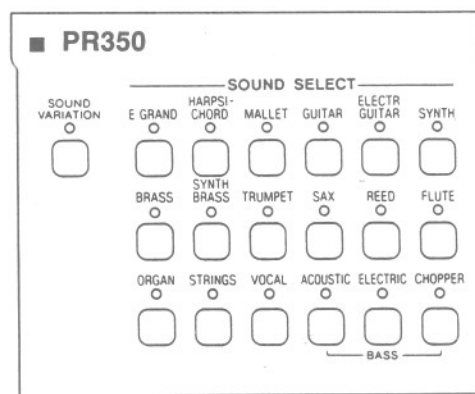
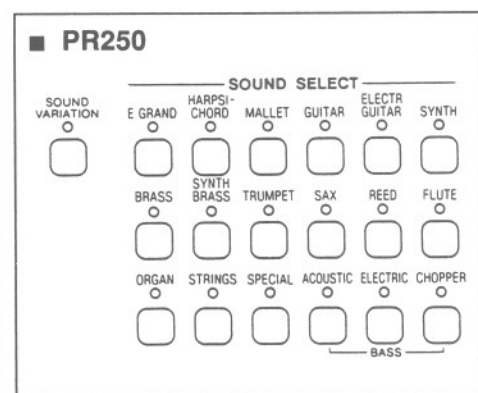
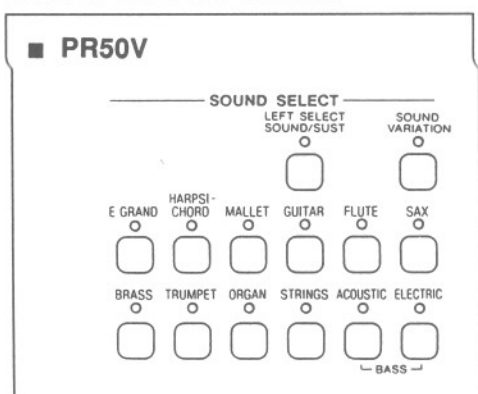
- **ROOM** is the smallest amount of reverberation.
- **STAGE** is the medium amount of reverberation.
- **HALL** is the maximum amount of reverberation.
- The indicator lights.

# Selecting sounds

In addition to piano-type sounds, this instrument is provided with authentic sounds of various other instruments.



**A** Sounds are selected by pressing the corresponding button in the **SOUND SELECT** section.



## Sound variation

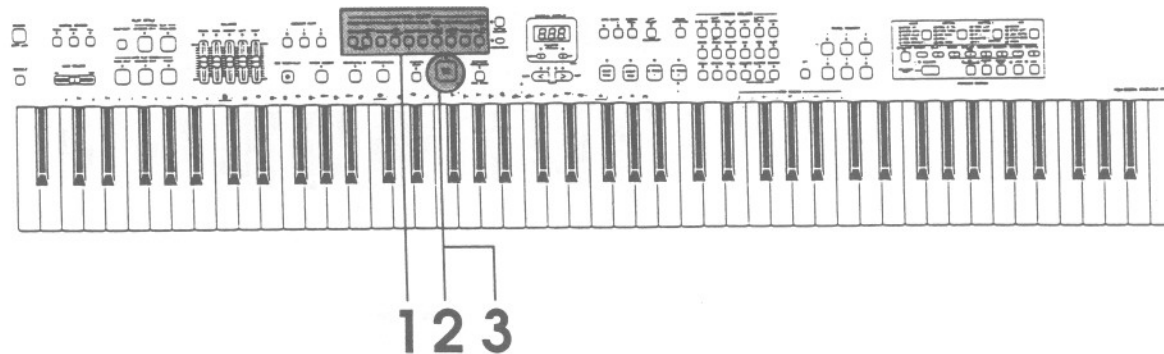
Each sound (except the four piano sounds) has a variation or different voice.

- 1** Press the **SOUND VARIATION** button to turn it on and change the nuance of the selected sound.
- 2** Press the **SOUND VARIATION** button again to return to the original sound.

- When one of these sounds is selected, the **PIANO MODE** indicator in the **PLAY STYLE** section automatically turns off.

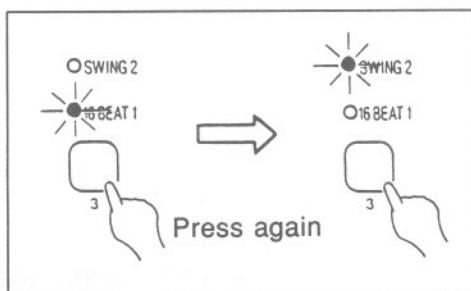
# Playing automatic rhythms

**Listen to a preset rhythm.**

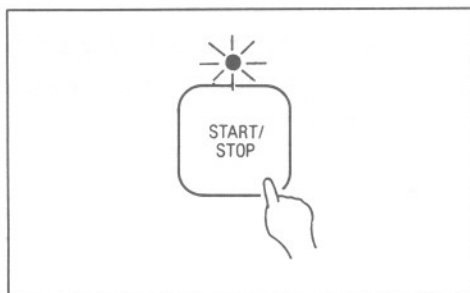


**1** In the **RHYTHM SELECT** section, select a rhythm by pressing the button below the rhythm names. Each button is used to select two rhythms.

In the example below, **16 BEAT 1** is selected (the light is on). To select **SWING 2**, press the button and the light goes on for this new rhythm pattern. To return to **16 BEAT 1** simply press the button again.

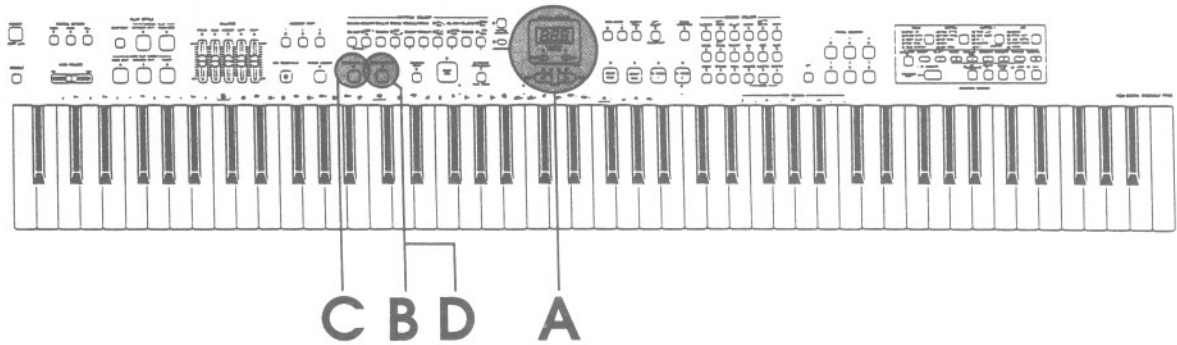


**2** Start the rhythm by pressing the **START/STOP** button.



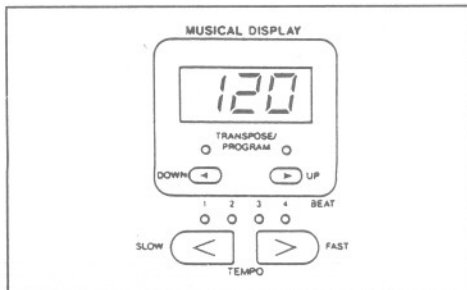
**3** Stop the rhythm by pressing the **START/STOP** button again.

# Control the rhythm.



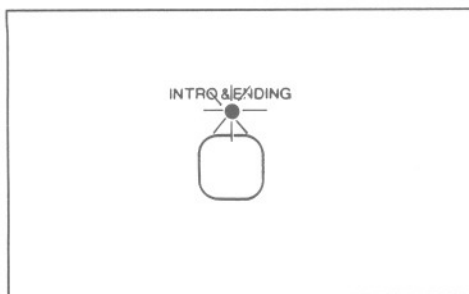
## Adjust the tempo.

**A** Adjust the speed with the **SLOW** and **FAST** buttons for **TEMPO**. The tempo you set is shown in the **MUSICAL DISPLAY**.



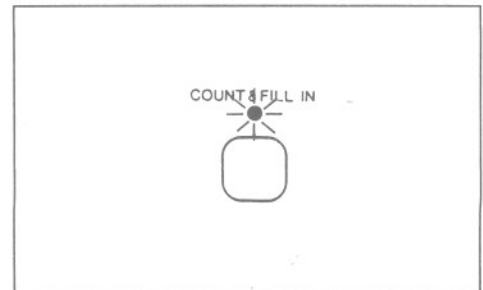
## Insert an intro pattern.

**B** To start your performance with a musically correct introduction, press the **INTRO & ENDING** button before starting the rhythm.



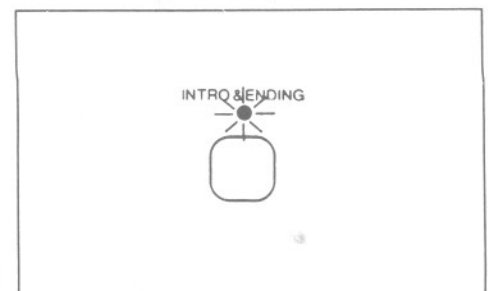
## Insert a fill-in pattern.

**C** While the preset rhythm pattern is playing, press the **COUNT & FILL IN** button.



## Insert an ending pattern.

**D** While the rhythm is playing, press the **INTRO & ENDING** button. You will hear an ending pattern, and then the rhythm stops.



# Automatic accompaniment

Simply by playing a chord on the keyboard, the **AUTO PLAY CHORD** function automatically plays an accompaniment pattern which matches the selected rhythm.

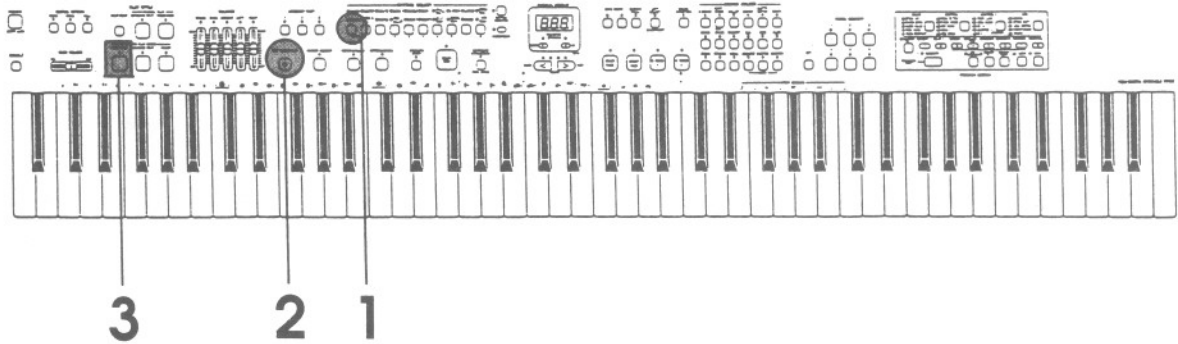
Use the **AUTO PLAY CHORD** with the following tune.

## She Wore A Yellow Ribbon

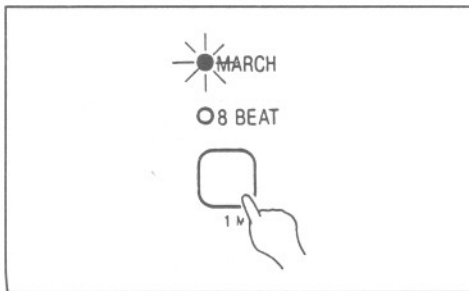
8 va.....

The musical score consists of four staves of music in C major, 4/4 time. The first staff begins with a treble clef and a common time signature. The second staff includes first and second endings. The third staff includes a repeat sign. The fourth staff includes first and second endings. Chord markings are placed above the notes: C, F, G7, and C.

## Use the **AUTO PLAY CHORD**.



- 1** In the **RHYTHM SELECT** section, select the **MARCH** rhythm.

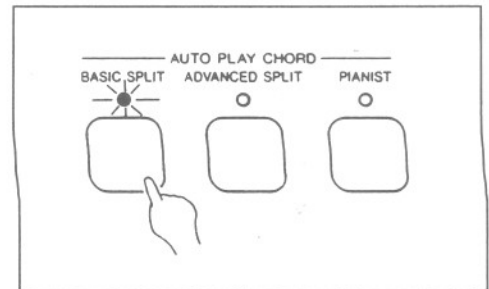


- 2** Press the **ONE TOUCH PLAY** button until the panel settings change.
- A red light will indicate the split point. To the left of the indicator is the accompaniment section and to the right is the melody section.



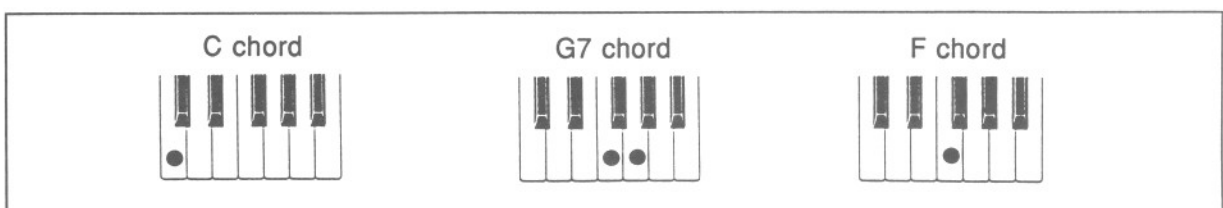
- 3** In the **PLAY STYLE** section, press the **BASIC SPLIT** button to turn it on.

- The keyboard automatically divides into left and right playing areas.



- 4** Use your left hand to play the chords and your right hand to play the melody.

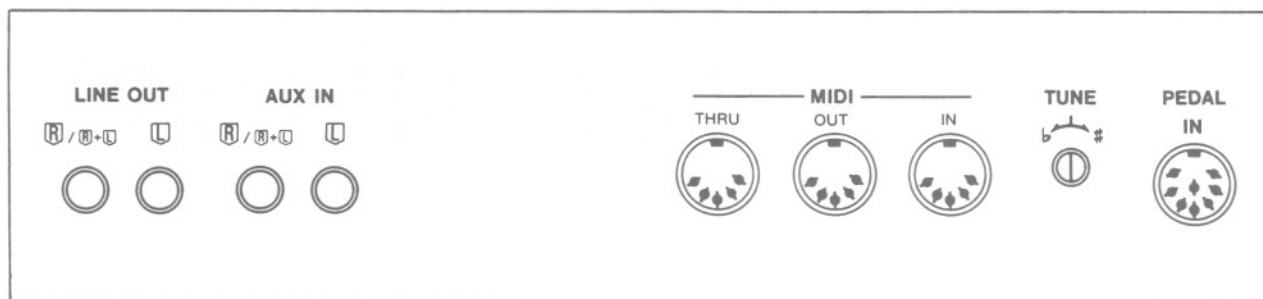
- Pressing a key on the left part of the keyboard will cause the automatic rhythm pattern to start playing.
- Where C, G7 and F are indicated in the musical score, you can press the corresponding keys as shown below.



# Options and connections

This page shows the many possible connections to the piano's terminals and also the optional accessory available for the PR50V/PR250.

(on the rear panel)



## TUNE

During an ensemble performance with other instruments, fine adjustments of pitch can be made using this knob. The center position is standard pitch (A=440 Hz). The pitch is adjustable in a range of  $\pm 50$  cents.

## PEDAL IN

Connect the cord from the included stand to this terminal.

## AUX IN (input level 0.5 V, 33 k $\Omega$ )

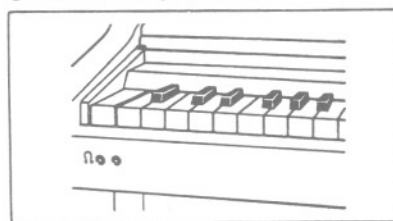
Other instruments such as a rhythm machine or sound module can be connected to the piano so that the sound is output from the piano. To receive monaural sound, connect the other instrument to the **R/R+L** terminal. (Do not connect the **L** terminal.)

## LINE OUT (output level 1.5 V 600 $\Omega$ )

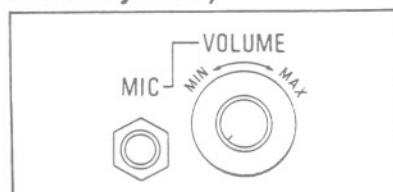
By plugging into an external high-power amplifier, the sound can be reproduced at a high volume. Or connect a tape recorder and use them as recording terminals. To output monaural sound, connect the external equipment to the **R/R+L** terminal. (Do not connect the **L** terminal.)

## PHONES ( $\Omega$ ) $\times 2$

For silent practice, headphones may be used. When plugged in, the speaker system is automatically switched off, and sound is heard only through the headphones.



## MIC (PR350) (input level 7.5 mV, 10 k $\Omega$ ) (under the keyboard)

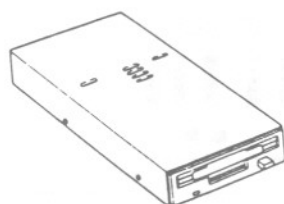


The piano will accept a microphone of the uni-directional type. This type of microphone reduces feedback to a minimum. **VOLUME** balances instrumental or vocal sounds fed into the microphone with the loudness of the piano.

## SY-FD20

Digital Disk Recorder



(optional for the PR50V/PR250)





# Symptoms which appear to be signs of trouble

The following changes in performance may occur in the Technics Digital Ensemble but do not indicate trouble.

	Phenomenon	Remedy
Sounds and effects	The buttons, keys, etc. malfunction.	<ul style="list-style-type: none"> <li>• Turn off the <b>POWER</b> button once, then turn it on again. If this procedure is not successful, turn off the <b>POWER</b> button once. Then, while pressing the three leftmost buttons in the <b>RHYTHM SELECT</b> section (<b>METRONOME 1</b>, <b>METRONOME 2</b> and <b>1</b>) at the same time, turn the <b>POWER</b> button on again. (Note that, in this case, all programmable settings, functions and memories return to their factory-preset status.)</li> </ul>
	No sound is produced when the keys are pressed.	<ul style="list-style-type: none"> <li>• The <b>MAIN VOLUME</b> is at the minimum setting. Adjust the volume with the <b>MAIN VOLUME</b> control.</li> <li>• The <b>DEMO</b>  button is on, and " _ _ _ " is shown on the display. Press the <b>DEMO</b>  button to turn it off. The display returns to the tempo display. (Refer to Vol. 1, page 10.)</li> <li>• The <b>BALANCE</b> volumes are set to <b>OFF</b>. Use the sliding <b>BALANCE</b> controls to set the volumes of the relevant parts to appropriate levels. (Refer to Vol. 2, page 7.)</li> <li>• The local control for a part performed on the keyboard is set to off. Set the local control to on. (Refer to Vol. 2, page 43.)</li> </ul>
	The octave is higher or lower for some <b>SOUND SELECT</b> sounds.	<ul style="list-style-type: none"> <li>• An octave change is programmed for some instrument sounds in order to make them easy to play. This is not a malfunction.</li> </ul>
	Only percussive instrument sounds are produced when the keyboard is played.	<ul style="list-style-type: none"> <li>• The <b>KEYBOARD PERCUSSION</b> button is on. Turn it off to return the keyboard to the normal sound.</li> </ul>
	The sustain does not work even when the sustain pedal is depressed.	<ul style="list-style-type: none"> <li>• When the <b>SUSTAIN PEDAL</b> button is off, the sustain does not work even when the pedal is depressed. Turn on the <b>SUSTAIN PEDAL</b> button. (Refer to Vol. 2, page 5.)</li> </ul>
	The sostenuto pedal (PR250/PR350) and soft pedal do not operate properly. For example, when the soft pedal is depressed, the rhythm starts or a fill-in is played.	<ul style="list-style-type: none"> <li>• Different functions can be programmed in these pedals. You can return the pedals to their original functions by turning off the instrument once, or by using the <b>PEDAL SETTING</b> mode. (Refer to Vol. 2, page 39.)</li> </ul>
Rhythm	The rhythm does not start.	<ul style="list-style-type: none"> <li>• The <b>DRUMS</b> volume in the <b>BALANCE</b> section is set to <b>OFF</b>. Use the sliding <b>BALANCE</b> control to set the <b>DRUMS</b> volume to an appropriate level. (Refer to Vol. 2, page 10.)</li> <li>• In the <b>RHYTHM SELECT</b> section, a <b>COMPOSER</b> number button with no stored performance was selected. Change the rhythm or store a new rhythm pattern in the <b>COMPOSER</b>. (Refer to Vol. 2, page 26.)</li> <li>• When a <b>SEQUENCER</b> part button (in the <b>PROGRAM SECTION</b>) is on, the rhythm will not start unless the rhythm has been stored. Turn off the <b>SEQUENCER</b> part buttons.</li> <li>• The MIDI clock is set to the external clock. Set the MIDI clock to the internal clock. (Refer to Vol. 2, page 45.)</li> </ul>
	The only rhythm produced is a hi-hat and bass drum sound.	<ul style="list-style-type: none"> <li>• This is the rhythm sound produced when the <b>KEYBOARD PERCUSSION</b> button is on. When the <b>KEYBOARD PERCUSSION</b> button is turned off, the rhythm returns to normal.</li> </ul>
AUTO PLAY CHORD	No sound is produced for the automatic accompaniment, or only the sounds of some parts are produced.	<ul style="list-style-type: none"> <li>• The <b>BALANCE</b> volumes are set to <b>OFF</b>. Use the sliding <b>BALANCE</b> controls to set the volumes of the relevant parts to appropriate levels. (Refer to Vol. 2, page 15.)</li> <li>• An <b>ACCOMP</b> part does not sound if its corresponding <b>ACCOMP PART 1, 2</b> or <b>3</b> button is off. Press the desired <b>ACCOMP PART 1, 2</b> and <b>3</b> buttons to turn them on. (Refer to Vol. 2, page 15.)</li> <li>• An <b>ACCOMP</b> part does not sound if its volume is set to 0. The volume of each <b>ACCOMP</b> part can be adjusted independently. (Refer to Vol. 2, page 38.)</li> </ul>

SEQUENCER	Storage is not possible.	<ul style="list-style-type: none"> <li>The remaining storage capacity of the <b>SEQUENCER</b> memory is 0. Use the <b>TRACK CLEAR</b> or <b>SONG CLEAR</b> function to erase the memory. (Refer to Vol. 2, page 25.)</li> <li>The <b>MIDI EXT SEQ MODE</b> is set to on. Set it to off. (Refer to Vol. 2, page 47.)</li> </ul>
	Multi-track storage is not possible.	<ul style="list-style-type: none"> <li>The playback track has been selected, but the <b>START/STOP</b> button has not been pressed. A flashing track indicator shows the track which is ready for recording, and a lit track indicator shows a track which is ready for playback. To record one track while listening to another (playback) track, press the <b>START/STOP</b> button to begin playback. (Refer to Vol. 2, page 23.)</li> </ul>
	A previously stored song is played back.	<ul style="list-style-type: none"> <li>The tracks of a song which was previously stored have not been cleared. Use the <b>TRACK CLEAR</b> or <b>SONG CLEAR</b> function to erase the memory before recording a new song. (Refer to Vol. 2, page 25.)</li> </ul>
COMPOSER	Storage is not possible.	<ul style="list-style-type: none"> <li>The remaining storage capacity of the <b>COMPOSER</b> memory is 0. Erase a <b>COMPOSER</b> number button in the <b>RHYTHM SELECT</b> section in which a pattern is stored. (Refer to Vol. 2, page 26.)</li> </ul>
	The playback timing of the rhythm pattern is different from the timing with which it was stored.	<ul style="list-style-type: none"> <li>The <b>QUANTIZE</b> function was on when the pattern was recorded. (The default setting is " 1 6 ".) Set the <b>QUANTIZE</b> function to " O F F ". (Refer to Vol. 2, page 27.)</li> </ul>
	Setting the time signature is not possible.	<ul style="list-style-type: none"> <li>The time signature cannot be changed for a pattern which is currently stored in the <b>COMPOSER</b>. When storing in the <b>COMPOSER</b> and " A L L " appears on the display, press the <b>COMPOSER CLEAR</b> button to erase the previously stored rhythm pattern. (Refer to Vol. 2, page 26.)</li> </ul>
	When editing a preset rhythm, the drums sound is not erased even when the <b>PERC ERASE</b> button is pressed.	<ul style="list-style-type: none"> <li>Some of the drums sounds of preset rhythm patterns cannot be erased. Follow the <b>COMPOSER CLEAR</b> procedure. (Refer to Vol. 2, page 26.)</li> </ul>
Digital Disk Recorder (optional for PR50V/PR250)	The Digital Disk Recorder produces a noise during recording or playback.	<ul style="list-style-type: none"> <li>This occurs when the Digital Disk Recorder is reading a disk. It does not indicate a problem.</li> </ul>
	When the operation to load from a memory disk is performed, the contents of the <b>SEQUENCER</b> are erased.	<ul style="list-style-type: none"> <li>When performing the load operation from a memory disk, the <b>SEQUENCER</b> memory changes to that of the data loaded from the memory disk. If you wish to preserve a song which is stored in the <b>SEQUENCER</b> memory, save it in a memory disk before performing the load procedure. (Refer to Vol. 2, page 33.)</li> </ul>
Other	Noise from a radio or TV can be heard.	<ul style="list-style-type: none"> <li>This sometimes occurs when electrical equipment such as a radio or TV is used near the piano. Try moving such electrical equipment further away from the piano.</li> <li>The sound may be coming from a nearby broadcast station or amateur radio station. If the sound is bothersome, consult your dealer or servicerenter.</li> </ul>
	The cabinet becomes warm during use.	<ul style="list-style-type: none"> <li>This piano has a built-in power source that heats the cabinet to some degree. This is not an indication of trouble.</li> </ul>

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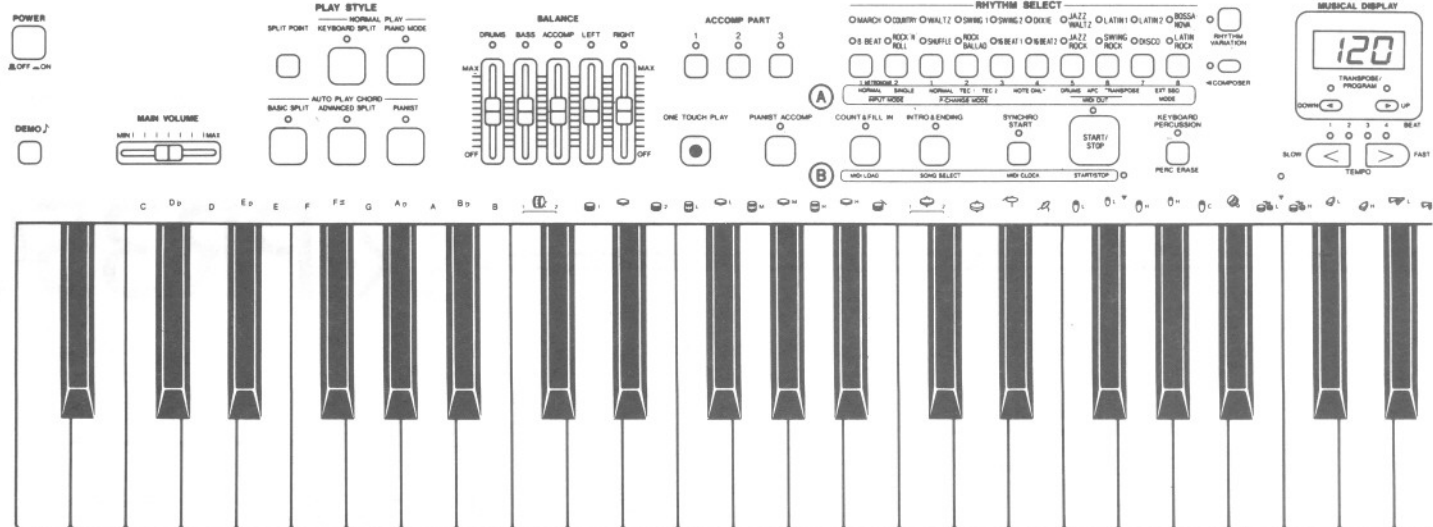
# Specifications

	SX-PR50V	SX-PR250	SX-PR350
KEYBOARD	88 KEYS		
SOUND GENERATOR	PCM		
MAXIMUM NUMBER OF NOTES PRODUCED SIMULTANEOUSLY	32 NOTES (A maximum of 16 simultaneously pressed keys can be input.)		
PIANO	GRAND PIANO, UPRIGHT PIANO, E PIANO 1, E PIANO 2		
SOUND SELECT	E GRAND, HARPSICHORD, MALLET, GUITAR, FLUTE, SAX, BRASS, TRUMPET, ORGAN, STRINGS, ACOUSTIC BASS, ELECTRIC BASS (WITH VARIATION FOR EACH SOUND)	E GRAND, HARPSICHORD, MALLET, GUITAR, ELECTRIC GUITAR, SYNTH, BRASS, SYNTH BRASS, TRUMPET, SAX, REED, FLUTE, ORGAN, STRINGS, SPECIAL, ACOUSTIC BASS, ELECTRIC BASS, CHOPPER BASS (WITH VARIATION FOR EACH SOUND)	E GRAND, HARPSICHORD, MALLET, GUITAR, ELECTRIC GUITAR, SYNTH, BRASS, SYNTH BRASS, TRUMPET, SAX, REED, FLUTE, ORGAN, STRINGS, VOCAL, ACOUSTIC BASS, ELECTRIC BASS, CHOPPER BASS (WITH VARIATION FOR EACH SOUND)
KEY SPLIT	○ (G2, C3, C4)		
PEDAL	SUSTAIN, SOFT	SUSTAIN, SOSTENUTO, SOFT	
DIGITAL CELESTE	○ (1, 2)		
DIGITAL REVERB	—	○ (ROOM, STAGE, HALL)	
TRANPOSE	○ (G-C-F <sup>♯</sup> )		
RHYTHM	RHYTHM SELECT	MARCH, COUNTRY, WALTZ, SWING 1, SWING 2, DIXIE, JAZZ WALTZ, LATIN1, LATIN2, BOSSA NOVA, 8 BEAT, ROCK'N'ROLL, SHUFFLE, ROCK BALLAD, 16 BEAT 1, 16 BEAT 2, JAZZ ROCK, SWING ROCK, DISCO, LATIN ROCK (WITH VARIATION FOR EACH RHYTHM)	
	CONTROL	START/STOP, SYNCHRO START, COUNT & FILL IN, INTRO & ENDING, TEMPO	
	KEYBOARD PERCUSSION	34 KEYS	
METRONOME	○ (1, 2)		
ONE TOUCH PLAY	○		
AUTO PLAY CHORD	BASIC SPLIT, ADVANCED SPLIT, PIANIST, PIANIST ACCOMP, ACCOMP PART 1, 2, 3		
PANEL MEMORY	SET, 1-3	SET, 1-6	
SEQUENCER	STORAGE CAPACITY: APPROX 2800 NOTES	STORAGE CAPACITY: APPROX 7400 NOTES	
	8 PARTS (RIGHT, LEFT, BASS, ACCOMP/CHORD 1, ACCOMP 2, 3, DRUMS, CONTROL) INPUT MODES: REAL TIME, STEP (ACCOMP 1/CHORD ONLY) EDIT FUNCTIONS: TRACK CLEAR, SONG CLEAR		
COMPOSER	STORAGE CAPACITY: APPROX 1300 NOTES 5 PARTS (BASS, ACCOMP 1, 2, 3, DRUMS) MEMORY: 1-8 EDIT FUNCTIONS: COMPOSER CLEAR, BEAT, QUANTIZE, PERC ERASE (DRUMS ONLY)		
DISPLAY	○		
DEMO	○		
CONTROL	MAIN VOLUME, BALANCE, TRANPOSE/PROGRAM		
TUNING	○ (± 50 CENTS)		
MIDI	CHANNEL, OCTAVE SHIFT, LOCAL CONTROL, P. MEM P-CHANGE, START/STOP, MIDI CLOCK, SONG SELECT, MIDI LOAD, INPUT MODE, P-CHANGE MODE, NOTE ONLY, MIDI OUT, EXT SEQ MODE		
OTHERS	OCTAVE SHIFT, REVERB DEPTH, ACCOMP VOLUME, PIANO TUNING, TOUCH SENSITIVITY, PEDAL SETTING, P. MEM EXPAND, MIN RANGE, MEDLEY, DISK FORMAT, INITIAL		
EXTERNAL MEMORY	DIGITAL DISK RECORDER (SY-FD20) PR50V/PR250: OPTIONAL PR350: INCLUDED		
TERMINALS	HEADPHONE TERMINALS × 2, LINE OUT, AUX IN, MIDI (IN, THRU, OUT), MIC (PR350 ONLY)		
OUTPUT	20 W × 2	50 W × 2	
SPEAKERS	16 cm × 2, 6.5 cm × 2, MONITOR SPEAKER × 2		
POWER REQUIREMENT	110 W	195 W	
	AC120 V 60 Hz		
DIMENSIONS (WXHXD)	135.9 cm × 79.6 cm × 56.5 cm (53-1/2" × 31-11/32" × 22-1/4")	143.3 cm × 83.4 cm × 59.2 cm (56-13/32" × 32-27/32" × 23-5/16")	145.3 cm × 83.6 cm × 59.2 cm (57-7/32" × 32-29/32" × 23-5/16")
NET WEIGHT	60 kg (132.3 lbs.)	74 kg (163.1 lbs.)	82 kg (180.8 lbs.)
ACCESSORIES	DUST COVER, STAND, AC CORD		STAND, AC CORD

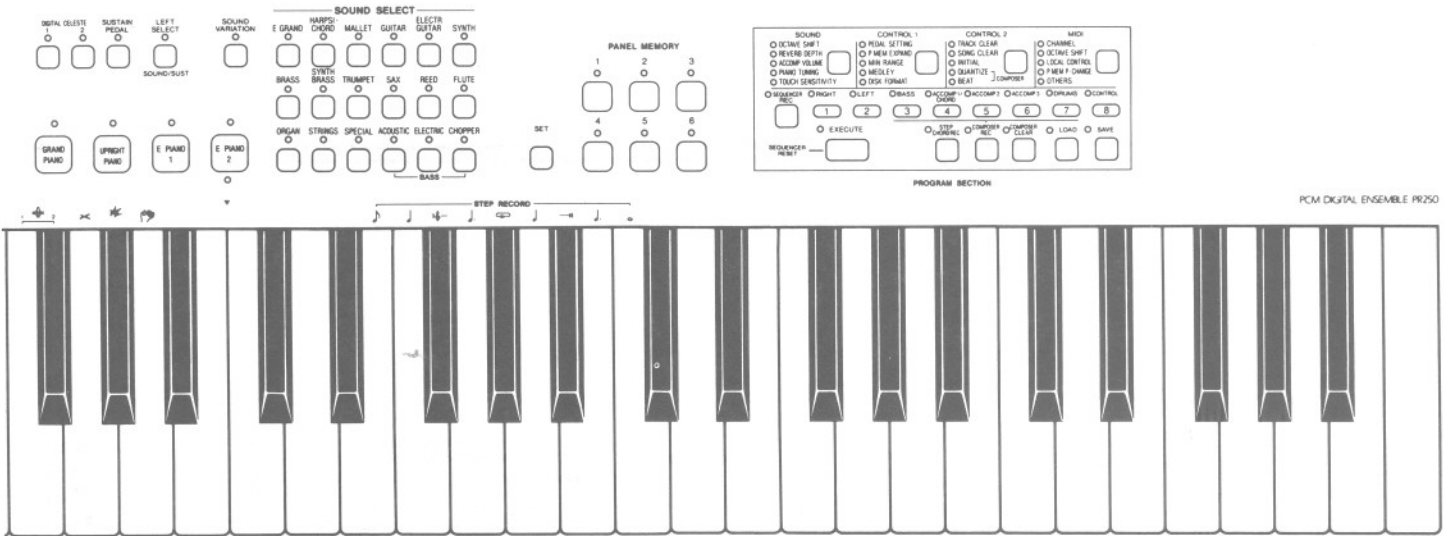
**MEMO**

# Technics

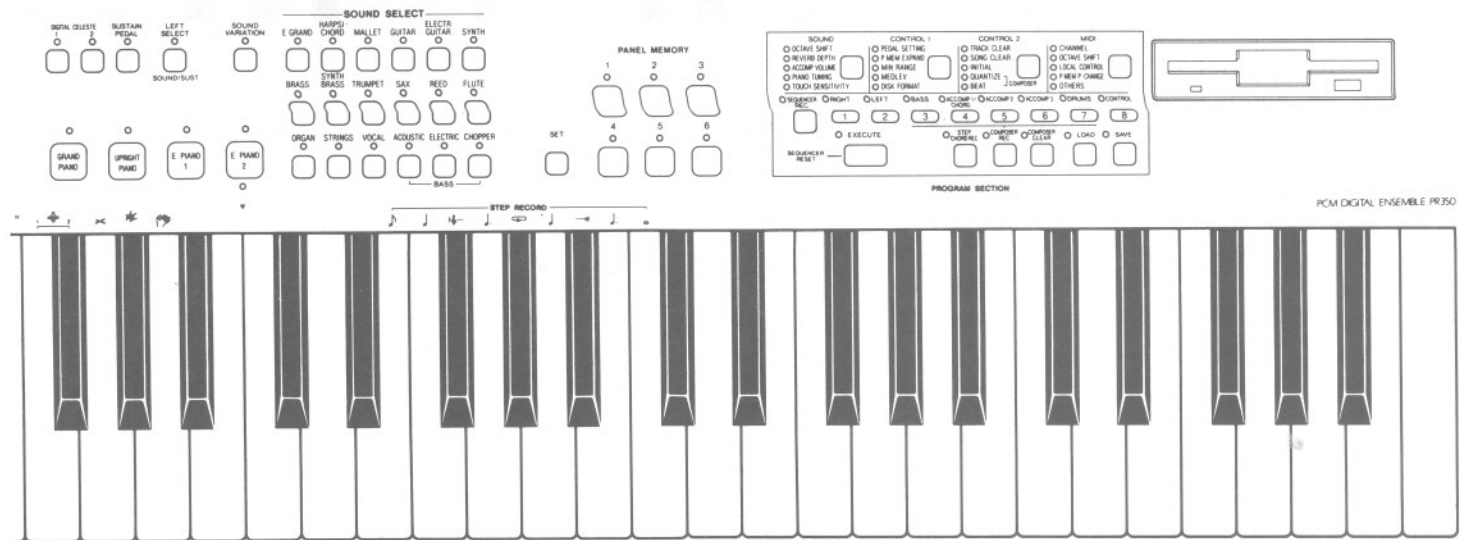
DIGITAL  
ENSEMBLE



# SX-PR250



# SX-PR350

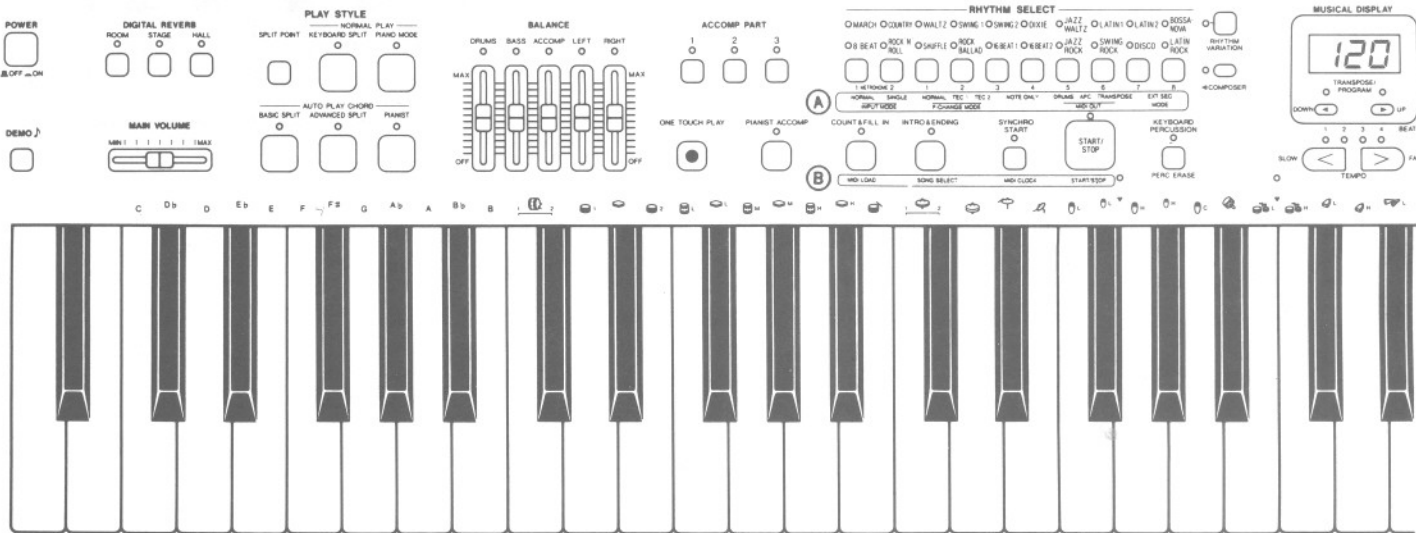
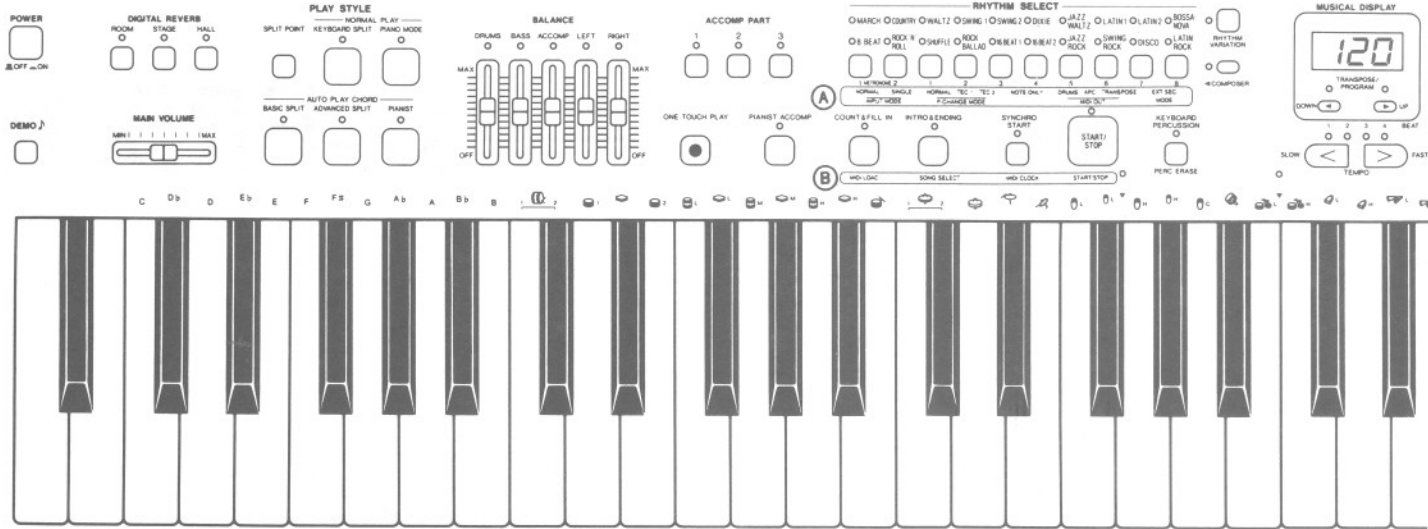


Ⓐ and Ⓑ are the included the MIdi stickers.



# Technics

DIGITAL  
ENSEMBLE



# SX-PR50V

**CONTROL PANEL**

DIGITAL GRESH 1 2 3

SUSTAIN PEDAL

**SOUND SELECT**

LEFT SELECT SOUND/SUST  SOUND VARIATION

E GRAND  HARPIC CHORD  MALLET  GUITAR  FLUTE  SAK

GRAND PIANO  UPRIGHT PIANO  E PIANO 1  E PIANO 2

BRASS  TRUMPET  ORGAN  STRINGS  ACOUSTIC  ELECTRIC  BASS

PANEL MEMORY

SET  1  2  3

**PROGRAM SECTION**

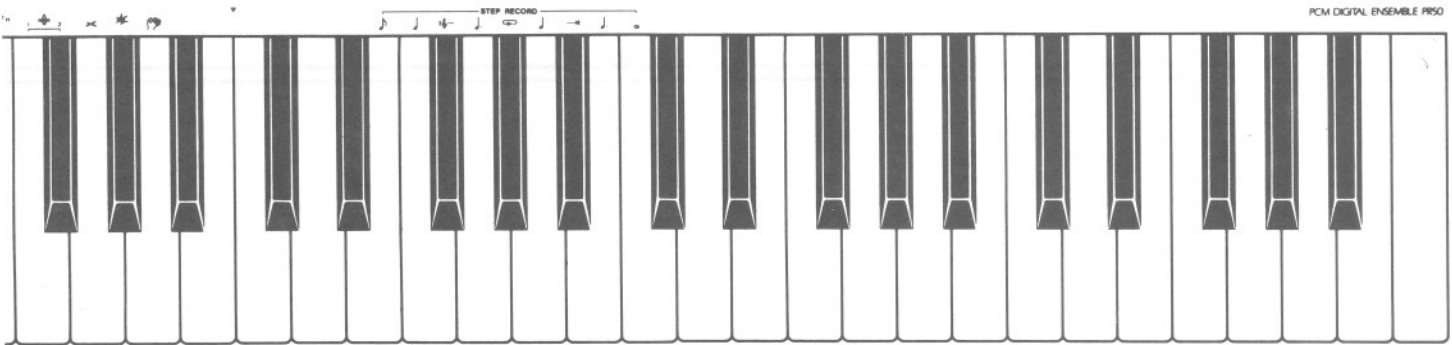
<b>SOUND</b>	<b>CONTROL 1</b>	<b>CONTROL 2</b>	<b>MIDI</b>
<input type="checkbox"/> OCTAVE SHIFT F#	<input type="checkbox"/> PITCH BENDING	<input type="checkbox"/> TRACK CLEAR	<input type="checkbox"/> CHANNEL
<input type="checkbox"/> OCTAVE SHIFT L	<input type="checkbox"/> P NEW EXTING	<input type="checkbox"/> SONG CLEAR	<input type="checkbox"/> OCTAVE SHIFT
<input type="checkbox"/> ACCOMP VOLUME	<input type="checkbox"/> MTR RANGE	<input type="checkbox"/> INITIAL	<input type="checkbox"/> LOCAL CONTROL
<input type="checkbox"/> PIANO TUNING	<input type="checkbox"/> HOLD/LET	<input type="checkbox"/> QUANTIZE	<input type="checkbox"/> MTR F. CHANGE
<input type="checkbox"/> TOUCH SENSITIVITY	<input type="checkbox"/> DISK FORMAT	<input type="checkbox"/> BEAT	<input type="checkbox"/> OTHERS

**SEQUENCER**

REC  1  2  3  4  5  6  7  8

EXECUTE  STOP  CLEAR  LOAD  SAVE

SEQUENCER RESET



Ⓐ and Ⓑ are the included the Mldi stickers.

## Sound Variation PR50V

SOUND SELECT	VARIATION	
	Off	On
E. GRAND	E. GRAND	SYNTH PIANO
HARPSI-CHORD	HARPSI-CHORD	SYNTH CLAVI
MALLET	VIBRAPHONE	GLOCKEN
GUITAR	ACOUSTIC GUITAR	JAZZ GUITAR
FLUTE	FLUTE	PAN FLUTE
SAX	TENOR SAX	CLARINET
BRASS	BRASS	TROMBONE

SOUND SELECT	VARIATION	
	Off	On
TRUMPET	TRUMPET	SYNTH BRASS
ORGAN	JAZZ ORGAN	PIPE ORGAN
STRINGS	STRINGS	SLOW ATTACK STRINGS
ACOUSTIC BASS	ACOUSTIC BASS	SYNTH PLUCK BASS
ELECTRIC BASS	ELECTRIC BASS	CHOPPER BASS

## Sound Variation PR250

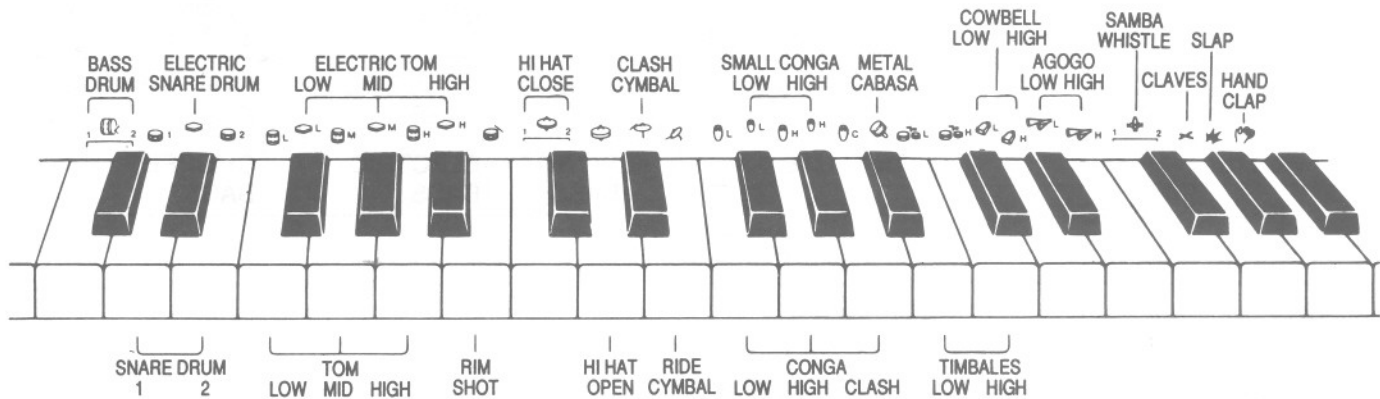
SOUND SELECT	VARIATION	
	Off	On
E. GRAND	E. GRAND	SYNTH PIANO
HARPSI-CHORD	HARPSI-CHORD	SYNTH CLAVI
MALLET	VIBRAPHONE	GLOCKEN
GUITAR	ACOUSTIC GUITAR	HARP
ELECTR GUITAR	JAZZ GUITAR	SOLID GUITAR
SYNTH	PLUCKED SYNTH	BOTTLE MARIMBA
BRASS	BRASS	TROMBONE
SYNTH BRASS	SYNTH BRASS 1	SYNTH BRASS 2
TRUMPET	TRUMPET	FRUGEL HORN
SAX	TENOR SAX	ALTO SAX

SOUND SELECT	VARIATION	
	Off	On
REED	CLARINET	ACCORDION
FLUTE	FLUTE	PAN FLUTE
ORGAN	JAZZ ORGAN	PIPE ORGAN
STRINGS	STRINGS	SLOW ATTACK STRINGS
SPECIAL	SYNTH VOCAL 1	SYNTH VOCAL 2
ACOUSTIC BASS	ACOUSTIC BASS	SYNTH PLUCK BASS
ELECTRIC BASS	ELECTRIC BASS 1	ELECTRIC BASS 2
CHOPPER BASS	CHOPPER BASS	SYNTH CHOPPER BASS

## Keyboard Percussion

Press the **KEYBOARD PERCUSSION** button on to turn your keyboard into a whole band of percussive instruments and other special sounds.

<Percussive Keyboard>



- The **KEYBOARD PERCUSSION** sounds indicated above are those which are available for ROCK-style preset rhythms (see DRUM KIT below). Some of the sounds are different when a STANDARD- or ELECTRIC-style rhythm has been selected.

## Drum Kit

RHYTHM SELECT	VARIATION	
	OFF	ON
MARCH	S	S
COUNTRY	S	S
WALTZ	S	S
SWING 1	S	S
SWING 2	S	S
DIXIE	S	S
JAZZ WALTZ	S	S
LATIN 1	S	R
LATIN 2	R	S
BOSSA NOVA	S	S

RHYTHM SELECT	VARIATION	
	OFF	ON
8 BEAT	R	E
ROCK'N'ROLL	R	R
SHUFFLE	R	S
ROCK BALLAD	R	R
16 BEAT 1	R	R
16 BEAT 2	R	R
JAZZ ROCK	R	R
SWING ROCK	R	S
DISCO	E	E
LATIN ROCK	R	R

S: STANDARD, R: ROCK, E: ELECTRIC

## One Touch Play

RHYTHM SELECT	VARIATION	MUSIC STYLE
	off	
MARCH	on	TRADITIONAL POLKA
	off	COUNTRY
COUNTRY	on	BLUE GRASS
	off	VIENNA WALTZ
WALTZ	on	ENGLISH WALTZ
	off	BIG BAND (SLOW)
SWING 1	on	BIG BAND (FAST)
	off	COMBO (SLOW)
SWING 2	on	SWING MODERN
	off	DIXIE
DIXIE	on	QUICK STEP
	off	JAZZ WALTZ (FAST)
JAZZ WALTZ	on	JAZZ WALTZ (SLOW)
	off	RHUMBA
LATIN 1	on	CHA CHA
	off	SAMBA RIO
LATIN 2	on	ARGENTINE TANGO
	off	BOSSA TIPICO
BOSSA NOVA	on	BOSSA DOLCE

RHYTHM SELECT	VARIATION	MUSIC STYLE
	off	
8 BEAT	on	8 POP
	off	U.S. ROCK
ROCK'N'ROLL	on	8 BALLAD
	off	SHUFFLE ROCK
SHUFFLE	on	BOOGIE BOOGIE
	off	BALLAD AMORE
ROCK BALLAD	on	BALLAD COUNTRY
	off	16 POP
16 BEAT 1	on	16 SLOW
	off	16 BALLAD
16 BEAT 2	on	FUNK
	off	JAZZ ROCK
JAZZ ROCK	on	SOUL ROCK
	off	80' SWING
SWING ROCK	on	SWING COMBO
	off	DISCO SIMPLE
DISCO	on	TECHNO POP
	off	SAMBA ROCK
LATIN ROCK	on	CARIBIAN MOOD

# Sound Variation PR350












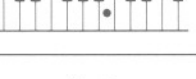


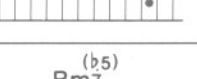

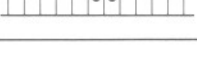
SOUND SELECT	VARIATION	
	Off	On
E. GRAND	E. GRAND	SYNTH PIANO
HARPSI-CHORD	HARPSI-CHORD	SYNTH CLAVI
MALLET	VIBRAPHONE	GLOCKEN
GUITAR	ACOUSTIC GUITAR	HARP
ELECTR GUITAR	JAZZ GUITAR	SOLID GUITAR
SYNTH	PLUCKED SYNTH	BOTTLE MARIMBA
BRASS	BRASS	TROMBONE
SYNTH BRASS	SYNTH BRASS 1	SYNTH BRASS 2
TRUMPET	TRUMPET	FRUGEL HORN

SOUND SELECT	VARIATION	
	Off	On
SAX	TENOR SAX	ALTO SAX
REED	CLARINET	ACCORDION
FLUTE	FLUTE	PAN FLUTE
ORGAN	JAZZ ORGAN	PIPE ORGAN
STRINGS	STRINGS	SLOW ATTACK STRINGS
VOCAL	VOCAL	SYNTH VOCAL
ACOUSTIC BASS	ACOUSTIC BASS	SYNTH PLUCK BASS
ELECTRIC BASS	ELECTRIC BASS 1	ELECTRIC BASS 2
CHOPPER BASS	CHOPPER BASS	SYNTH CHOPPER BASS







# Diagram of One-Finger Chord Positions

Major	Minor	7th	Minor 7 th
C 	Cm 	C7 	Cm7 
D <sup>b</sup> C <sup>#</sup> 	D <sup>b</sup> m C <sup>#</sup> m 	D <sup>b</sup> 7 C <sup>#</sup> 7 	D <sup>b</sup> m7 C <sup>#</sup> m7 
D 	Dm 	D7 	Dm7 
E <sup>b</sup> D <sup>#</sup> 	E <sup>b</sup> m D <sup>#</sup> m 	E <sup>b</sup> 7 D <sup>#</sup> 7 	E <sup>b</sup> m7 D <sup>#</sup> m7 
E 	Em 	E7 	Em7 
F 	Fm 	F7 	Fm7 
F <sup>#</sup> G <sup>b</sup> 	F <sup>#</sup> m G <sup>b</sup> m 	F <sup>#</sup> 7 G <sup>b</sup> 7 	G <sup>b</sup> m7 F <sup>#</sup> m7 
G 	Gm 	G7 	Gm7 
A <sup>b</sup> G <sup>#</sup> 	A <sup>b</sup> m G <sup>#</sup> m 	A <sup>b</sup> 7 G <sup>#</sup> 7 	A <sup>b</sup> m7 G <sup>#</sup> m7 
A 	Am 	A7 	Am7 
B <sup>b</sup> A <sup>#</sup> 	B <sup>b</sup> m A <sup>#</sup> m 	B <sup>b</sup> 7 A <sup>#</sup> 7 	B <sup>b</sup> m7 A <sup>#</sup> m7 
B 	Bm 	B7 	Bm7 

# Diagram of Fingered Chord Positions

Major	Minor	7th	Minor 7th	Minor 7th $b5$
C 	Cm 	C7 	Cm7 	<sup>(b5)</sup> Cm7 
$D^b = C^\sharp$ 	$D^b m = C^\sharp m$ 	$D^b 7 = C^\sharp 7$ 	$D^b m7 = C^\sharp m7$ 	<sup>(b5)</sup> <sup>(b5)</sup> $D^b m7 = C^\sharp m7$ 
D 	Dm 	D7 	Dm7 	<sup>(b5)</sup> Dm7 
$E^b = D^\sharp$ 	$E^b m = D^\sharp m$ 	$E^b 7 = D^\sharp 7$ 	$E^b m7 = D^\sharp m7$ 	<sup>(b5)</sup> <sup>(b5)</sup> $E^b m7 = D^\sharp m7$ 
E 	Em 	E7 	Em7 	<sup>(b5)</sup> Em7 
F 	Fm 	F7 	Fm7 	<sup>(b5)</sup> Fm7 
$F^\sharp = G^b$ 	$F^\sharp m = G^b m$ 	$F^\sharp 7 = G^b 7$ 	$F^\sharp m7 = G^b m7$ 	<sup>(b5)</sup> <sup>(b5)</sup> $F^\sharp m7 = G^b m7$ 
G 	Gm 	G7 	Gm7 	<sup>(b5)</sup> Gm7 
$A^b = G^\sharp$ 	$A^b m = G^\sharp m$ 	$A^b 7 = G^\sharp 7$ 	$A^b m7 = G^\sharp m7$ 	<sup>(b5)</sup> <sup>(b5)</sup> $A^b m7 = G^\sharp m7$ 
A 	Am 	A7 	Am7 	<sup>(b5)</sup> Am7 
$B^b = A^\sharp$ 	$B^b m = A^\sharp m$ 	$B^b 7 = A^\sharp 7$ 	$B^b m7 = A^\sharp m7$ 	<sup>(b5)</sup> <sup>(b5)</sup> $B^b m7 = A^\sharp m7$ 
B 	Bm 	B7 	Bm7 	<sup>(b5)</sup> Bm7 



Major 7th	Augmented	Diminished 7th	7th Suspended 4th	Minor Major 7th
<b>Cmaj7</b> 	<b>Caug</b> 	<b>Cdim7</b> 	<b>C7sus4</b> 	<b>Cm maj7</b> 
<b>D<sup>b</sup> maj7=C<sup>#</sup> maj7</b> 	<b>D<sup>b</sup> aug=C<sup>#</sup> aug</b> 	<b>D<sup>b</sup> dim7=C<sup>#</sup> dim7</b> 	<b>D<sup>b</sup> 7sus4=C<sup>#</sup> 7sus4</b> 	<b>D<sup>b</sup> m maj7=C<sup>#</sup> m maj7</b> 
<b>Dmaj7</b> 	<b>Daug</b> 	<b>Ddim7</b> 	<b>D7sus4</b> 	<b>Dm maj7</b> 
<b>E<sup>b</sup> maj7=D<sup>#</sup> maj7</b> 	<b>E<sup>b</sup> aug=D<sup>#</sup> aug</b> 	<b>E<sup>b</sup> dim7=D<sup>#</sup> dim7</b> 	<b>E<sup>b</sup> 7sus4=D<sup>#</sup> 7sus4</b> 	<b>E<sup>b</sup> m maj7=D<sup>#</sup> m maj7</b> 
<b>E<sup>b</sup> maj7</b> 	<b>E<sup>b</sup> aug</b> 	<b>E<sup>b</sup> dim7</b> 	<b>E<sup>b</sup> 7sus4</b> 	<b>E<sup>b</sup> m maj7</b> 
<b>Fmaj7</b> 	<b>Faug</b> 	<b>Fdim7</b> 	<b>F7sus4</b> 	<b>Fm maj7</b> 
<b>F<sup>#</sup> maj7=G<sup>b</sup> maj7</b> 	<b>F<sup>#</sup> aug=G<sup>b</sup> aug</b> 	<b>F<sup>#</sup> dim7=G<sup>b</sup> dim7</b> 	<b>F<sup>#</sup> 7sus4=G<sup>b</sup> 7sus4</b> 	<b>F<sup>#</sup> m maj7=G<sup>b</sup> m maj7</b> 
<b>Gmaj7</b> 	<b>Gaug</b> 	<b>Gdim7</b> 	<b>G7sus4</b> 	<b>Gm maj7</b> 
<b>A<sup>b</sup> maj7=G<sup>#</sup> maj7</b> 	<b>A<sup>b</sup> aug=G<sup>#</sup> aug</b> 	<b>A<sup>b</sup> dim7=G<sup>#</sup> dim7</b> 	<b>A<sup>b</sup> 7sus4=G<sup>#</sup> 7sus4</b> 	<b>A<sup>b</sup> m maj7=G<sup>#</sup> m maj7</b> 
<b>A<sup>b</sup> maj7</b> 	<b>A<sup>b</sup> aug</b> 	<b>A<sup>b</sup> dim7</b> 	<b>A<sup>b</sup> 7sus4</b> 	<b>A<sup>b</sup> m maj7</b> 
<b>B<sup>b</sup> maj7=A<sup>#</sup> maj7</b> 	<b>B<sup>b</sup> aug=A<sup>#</sup> aug</b> 	<b>B<sup>b</sup> dim7=A<sup>#</sup> dim7</b> 	<b>B<sup>b</sup> 7sus4=A<sup>#</sup> 7sus4</b> 	<b>B<sup>b</sup> m maj7=A<sup>#</sup> m maj7</b> 
<b>B<sup>b</sup> maj7</b> 	<b>B<sup>b</sup> aug</b> 	<b>B<sup>b</sup> dim7</b> 	<b>B<sup>b</sup> 7sus4</b> 	<b>B<sup>b</sup> m maj7</b> 