

Technics



D	I	G	I	T	A	L
P	I	A	N	O		

SX-PX101

SX-PX103(M)

SX-PX107(M)



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



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.



FOR CANADA

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

POUR CANADA

L'interférence radioélectrique générée par cet appareil numérique de type B ne dépasse pas les limites énoncées dans le Règlement sur les perturbations radioélectriques, section appareil numérique, du Ministère des Communications.

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY. (for UNITED KINGDOM)

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be purchased from your local Panasonic/Technics Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT-OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below. If in any doubt please consult a qualified electrician.


IMPORTANT: —The wires in this mains lead are coloured in accordance with the following code:—

Blue:	Neutral
Brown:	Live

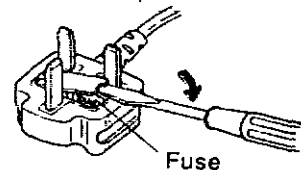
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

The wire which is coloured **BLUE** must be connected to the terminal in the plug which is marked with the letter **N** or coloured **BLACK**.

The wire which is coloured **BROWN** must be connected to the terminal in the plug which is marked with the letter **L** or coloured **RED**.

Under no circumstances should either of these wires be connected to the earth terminal of the three-pin plug, marked with the letter **E** or the Earth Symbol .

How to replace the fuse. Open the fuse compartment with a screwdriver and replace the fuse and fuse cover.



Technics

OWNER'S MANUAL

MODE D'EMPLOI

INSTRUCCIONES DE MANEJO

GEBRUIKSAANWIJZING

ISTRUZIONI PER L'USO

使用說明書

Caution

Voltage (except North America, Mexico, New Zealand and Europe excluding United Kingdom)

Be sure the voltage adjuster located on the back of piano is in accordance with local voltage in your area before using this unit. Use a screwdriver to set the voltage adjuster to the local voltage.

Before you play, please read the cautionary copy appearing on page 2.

Attention

Tension (à l'exception de l'Amérique du nord, du Mexique, de la Nouvelle-Zélande et de l'Europe excepté l'Angleterre)

Avant de mettre cet appareil sous tension s'assurer que le sélecteur de tension situé sur le dos du piano est réglé sur la tension locale. Pour régler le sélecteur de tension utiliser un tournevis.

Avant toute utilisation, prière de lire l'avertissement apparaissant à la page 24.

Precaución

Tensión (excepto América del Norte, México, Nueva Zelanda y Europa excluyendo el Reino Unido)

Cerciórese de que el ajustador de tensión, situado en la parte posterior del piano, esté ajustado al valor de la tensión de su residencia. Efectúe esta comprobación antes de utilizar el instrumento. Para ajustar la tensión emplee un destornillador para posicionar el ajustador de tensión al valor correspondiente.

Antes de empezar a tocar, lea las precauciones de la página 46.

Attentie

Netspanning (behalve voor Noord Amerika, Mexico, Nieuw-Zeeland en Europa uitgezonderd Groot-Brittannië)

Let er op dat de spanningscarroussel, die zich op de achterkant van de piano bevindt, op de juiste netspanning staat vóór het instrument wordt aangesloten. Gebruik een kleine schroevendraaier om de spanningscarroussel in te stellen.

Voordat u gaat spelen, lees de waarschuwingpunten op bladzijde 68 zorgvuldigheid en goed door.

Attenzione

Voltaggio (eccetto Nord America, Messico, Nuova Zelanda ed Europa escluso il Regno Unito)

Assicurarsi che il cambio tensione, sulla parte posteriore del pianoforte, concordi la tensione con il voltaggio della tensione di rete. Usate nel caso un cacciavite per adattare la tensione.

Prima di suonare vi consigliamo di leggere le indicazioni della pagina 90.

注意事項

電壓(不包括北美洲、墨西哥、新西蘭及英國除外的歐洲)

當使用之前，應確認調壓器(設於鋼琴背部)的數值是否符合該地區的電壓。如不符合時，要用螺絲刀來旋轉調壓按鈕，對合到所用電壓位置，才可使用。

用本琴演奏之前，請仔細閱讀第112頁注意事項，以便正確使用。

Cautions for safest use of this unit

Installation location

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

Power source

1. Be sure the line voltage selector is in accordance with local voltage in your area before connecting the plug to the socket.
2. DC power cannot be used.

Handling the power cord

1. Never touch the power cord, or its plug, with wet hands.
2. Don't pull the power cord.

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.

If, nevertheless, some such article does get inside, disconnect the power cord plug from the electrical outlet, and contact the store where the unit was purchased.

If water gets into the unit

Disconnect the power cord plug from the electrical outlet, and contact the store where it was purchased.

As a precaution, it is suggested that flower vases and other containers which hold liquids not be placed on the top of this unit.

If operation seems abnormal

Immediately turn off the power, disconnect the power cord plug from the electrical outlet, and contact the store where it was purchased.

Discontinue using the unit at once. Failure to do so may result in additional damage or some other unexpected damage or accident.

- Because the power source is located inside the unit, it is normal for the cabinet to become warm.

A word about the power cord

If the power cord is scarred, is partially cut or broken, or has a bad contact, it may cause a fire or serious electrical shock if used. NEVER use a damaged power cord for any appliance. Moreover, the power cord should never be forcibly bent.

Don't touch the inside parts of this unit.

Some places inside this unit have high voltage potential. Never try to remove the top or back panels of this unit, or to touch inside parts by hand or with tools.

Contact someone who is qualified in order to inspect the inside, or to replace a fuse, if such becomes necessary. Never attempt to do these things yourself.

Maintenance

The following suggestions will assist you in keeping the unit in top condition.

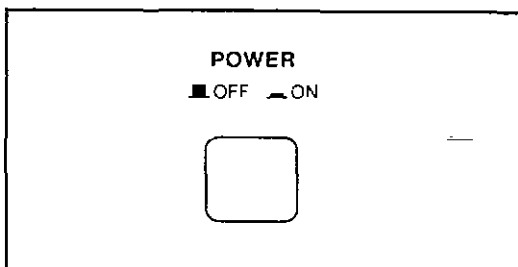
- Be sure to switch the instrument off after use, and do not switch the unit on and off in quick succession, as this places an undue load on the electronic components.
- To keep the luster of the surface and buttons, simply use a clean, damp cloth; polish with a soft, dry cloth. Polish may be used but 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.

**SERVICE MUST BE CARRIED OUT BY DEALER
OR OTHER QUALIFIED PERSON**

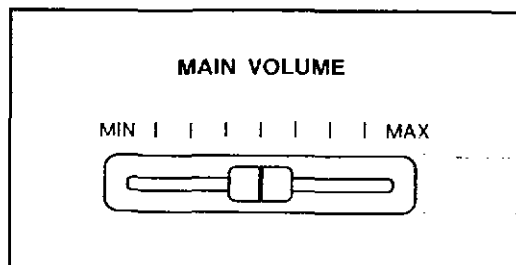
Getting started

1 Plug the power cord into an outlet.

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



3 Play the keyboard.
• Set the **MAIN VOLUME** to an appropriate level with the sliding control.



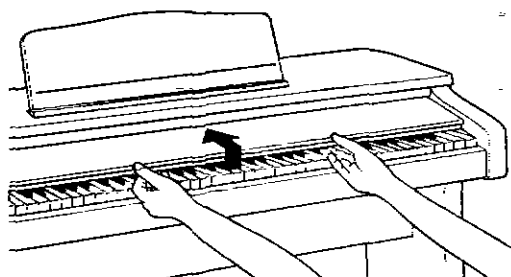
• No sound will be heard when the sliding control is set to **MIN**.

Tuning

Unlike an acoustic piano, your PX Series Digital Piano never needs tuning.

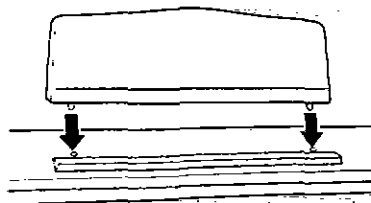
• The pitch of this instrument can be adjusted when playing along with other instruments. (Refer to page 11.)

Keyboard cover (PX103/PX107)
Open and close the cover slowly.

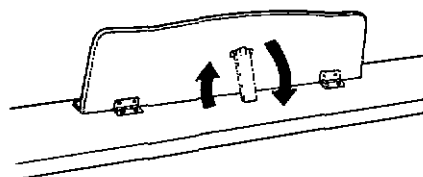


Music stand

PX101: Insert the music stand in the two holes as shown in the figure.



PX103/PX107: To set up the music stand, gently raise it from its folded down position. It will lock into place automatically. To lower the music stand, first fold in the metal support at the rear of the stand and then lower the stand gently, as shown in the figure.



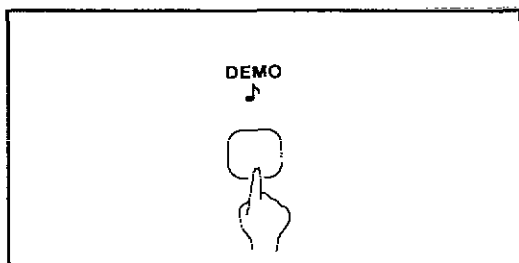
Listen to the demonstration

Automatic performances which introduce you to the sounds are stored in the memory of this piano.

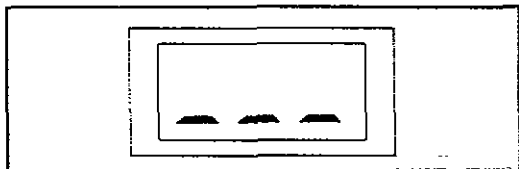
Grand piano demonstration performance

1 2 3 4

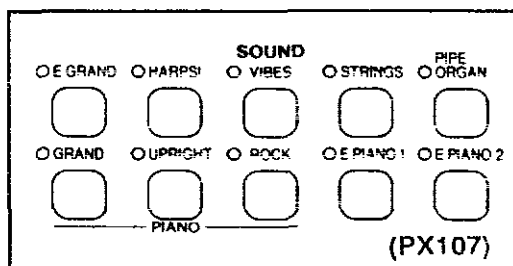
1 Press the **DEMO** button.



- The indicators for the **SOUND** buttons flash.
- PX103/PX107: The display changes to the following.

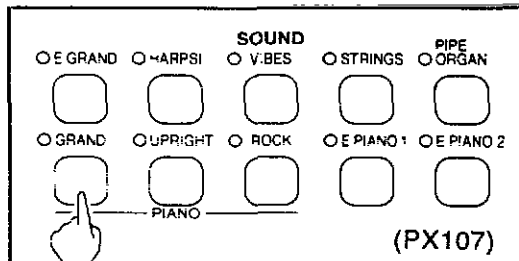


3 Select a **SOUND** button (other than **GRAND PIANO**) whose indicator is flashing.



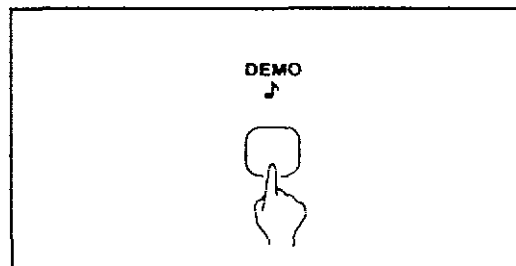
- The demonstration tune starts.
- The indicator of the selected **SOUND** button flashes.
- If the button for the current demonstration tune is pressed, the demonstration performance stops.
- Listen to the other **GRAND PIANO** demonstration tunes in the same way.

2 Select **GRAND PIANO**.



- The **SOUND** buttons which contain **GRAND PIANO** demonstration tunes are shown by the flashing indicators.

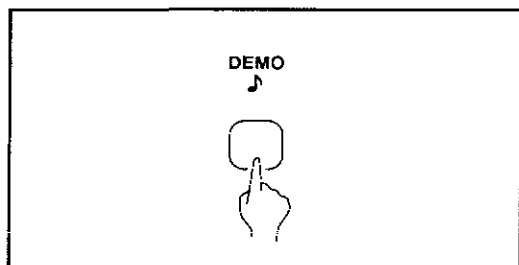
4 When you are finished listening to the demonstration tunes, press the **DEMO** button again.



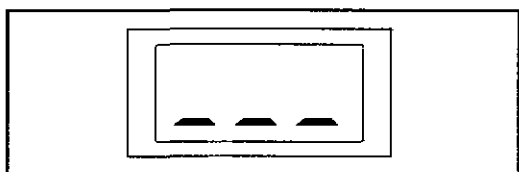
- PX103/PX107: The display turns off.

Demonstration performances for other sounds

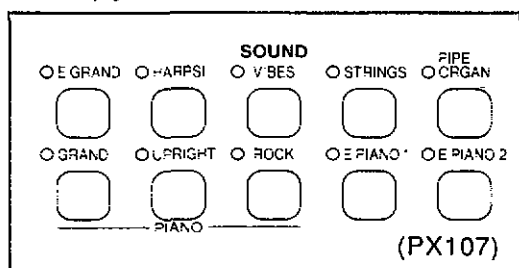
1 Press the **DEMO** button.



- The indicators for the **SOUND** buttons flash.
- PX103/PX107: The display changes to the following.

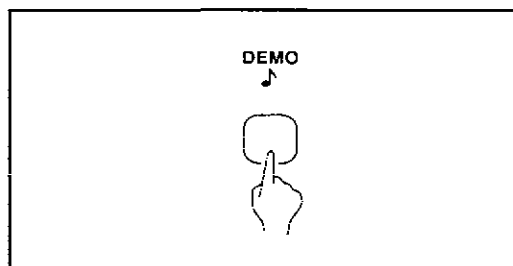


2 Select a sound (other than **GRAND PIANO**) you wish to hear.



- The demonstration tune starts.
- The indicator of the selected **SOUND** button flashes and the other indicators go out.
- If the button for the current demo is pressed, the demonstration performance stops.
- Listen to the demonstration tunes for the other sounds in the same way.

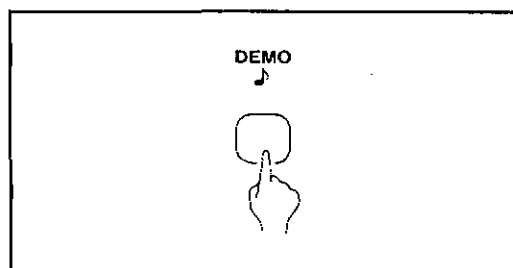
3 When you have finished listening to the demonstration performances, press the **DEMO** button to turn it off.



- PX103/PX107: The display turns off.

Listen to all the demonstration tunes in order.

Press and hold the **DEMO** button for a few seconds.



- All the demonstration tunes are automatically played in order.
- If you press the button with the flashing indicator during the demonstration performance, the current tune stops and the next tune begins.
- PX103/PX107: You can also first press the **DEMO** button and then the **START/STOP** button to play the tunes in order.
- The tunes are repeated in order until the **DEMO** button or **START/STOP** button (PX103/PX107) is pressed again.

- You can play the keyboard while the demonstration performances are playing.

Sounds and effects

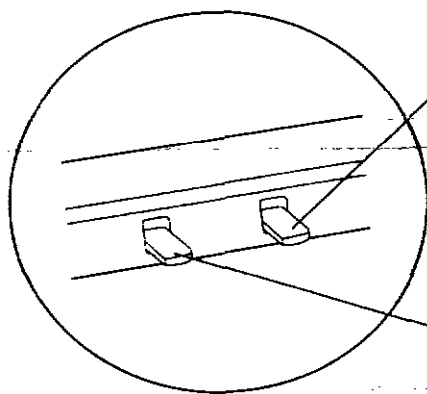
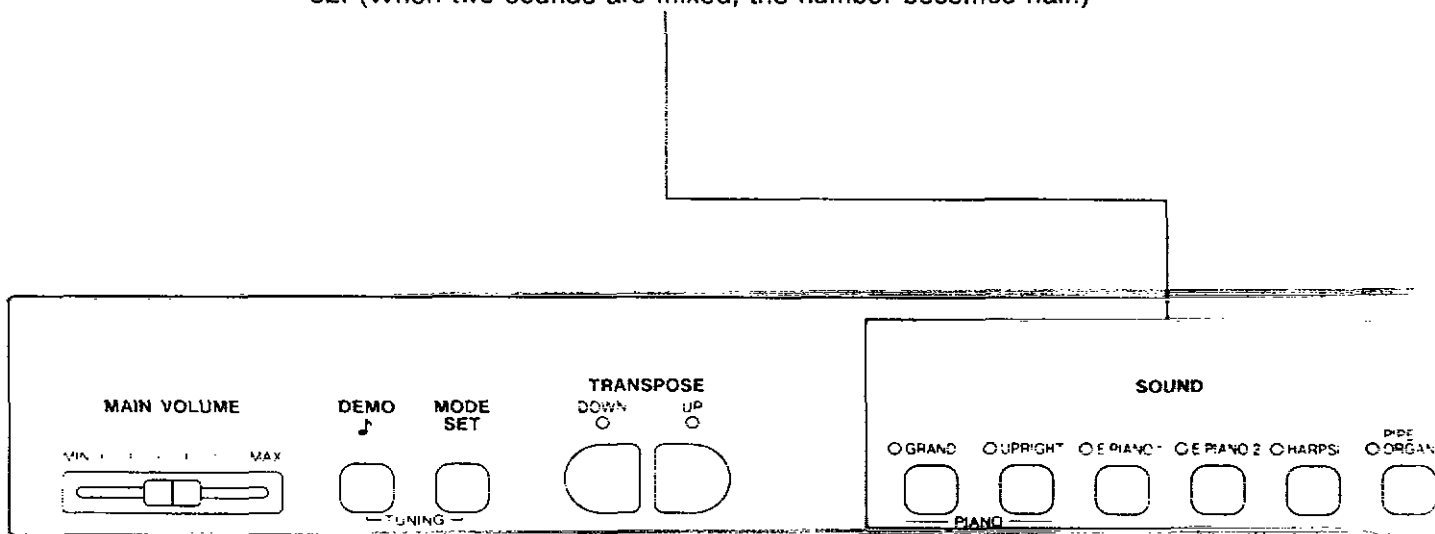
PX101

SOUND

Press one of the **SOUND** buttons to select the desired sound.

Each sound features Touch Response, which increases the volume when the keyboard is played harder.

- The sounds can be mixed when two **SOUND** buttons are pressed simultaneously. (Refer to page 10.)
- On this piano, the maximum number of notes which can sound simultaneously is 32. (When two sounds are mixed, the number becomes half.)



Sustain pedal

The right pedal allows you to use sustain. When a key is released while this pedal is depressed, the sound is sustained so that it lingers and slowly fades out.

- For the **GRAND PIANO** and **UPRIGHT PIANO** sounds, the tones of the 17 uppermost keys are automatically sustained just like in an acoustic piano.

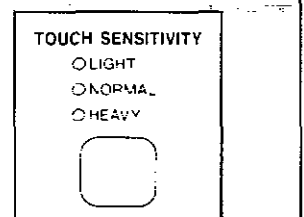
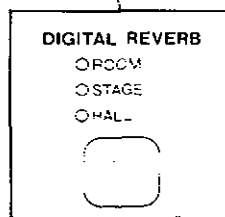
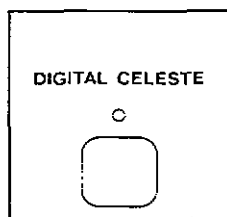
Soft pedal

The left pedal can be used as a soft pedal. When the pedal is depressed, the sound is softer.

- The soft pedal can also be used as a sostenuto pedal. (Refer to page 17.)

DIGITAL REVERB

DIGITAL REVERB applies a reverberation effect to the sound. Select from three echo types—ROOM, STAGE and HALL.



DIGITAL CELESTE

A celeste effect can be applied to give the sound greater depth.

TOUCH SENSITIVITY

The keyboard touch (Touch Response) can be changed to match your type of playing.

- Choose from LIGHT, NORMAL and HEAVY.

Setting the effects for each sound

The DIGITAL CELESTE and DIGITAL REVERB are stored independently for each sound. When a SOUND button is pressed, the effect settings for the selected sound are recalled.

Sounds and effects

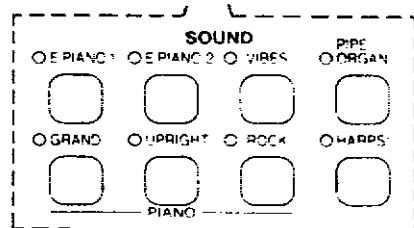
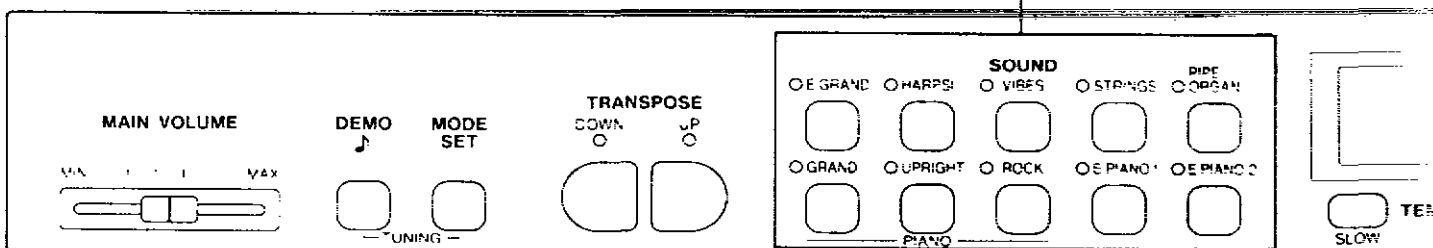
PX103/PX107

SOUND

Press one of the **SOUND** buttons to select the desired sound.

Each sound features Touch Response, which increases the volume when the keyboard is played harder.

- The sounds can be mixed when two **SOUND** buttons are pressed simultaneously. (Refer to page 10.)
- On this piano, the maximum number of notes which can sound simultaneously is 32 (PX103) or 64 (PX107). (When two sounds are mixed, the number becomes half.)



(PX103)

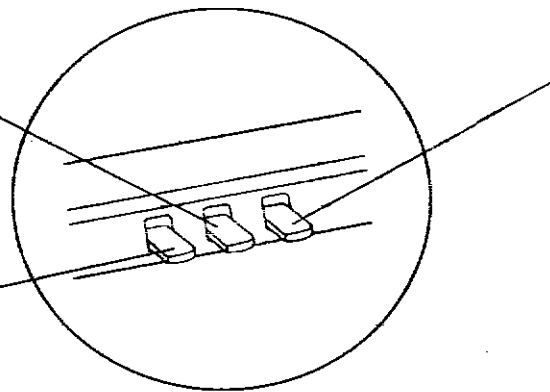
Sostenuto pedal

The middle pedal is used as a sostenuto pedal. If the pedal is pressed while the keys are pressed, a sustain effect is applied to those notes only.

- For sustained-type sounds (**PIPE ORGAN** and **STRINGS** [PX107]), the notes sound for as long as the pedal is depressed.

Soft pedal

The left pedal can be used as a soft pedal. When the pedal is depressed, the sound is softer.



BRILLIANCE

The **BRILLIANCE** allows you to select the brightness of the sound from 5 settings. Pressing the **BRIGHT** button increases the brightness; when the **MELLOW** button is pressed, the sound becomes mellower. During setting the brightness is shown on the display (-2 to 2).

Press both buttons at the same time to return the brightness to the normal level.

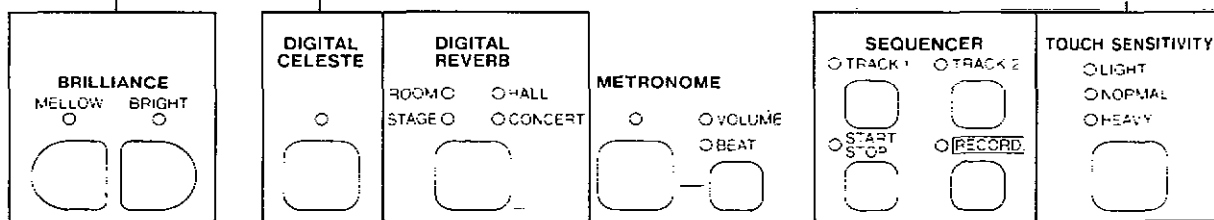
TOUCH SENSITIVITY

The keyboard touch (Touch Response) can be changed to match your type of playing.

- Choose from **LIGHT**, **NORMAL** and **HEAVY**.

DIGITAL CELESTE

A celeste effect can be applied to give the sound greater depth.



(PX107)

DIGITAL REVERB

DIGITAL REVERB applies a reverberation effect to the sound. Select from four echo types—**ROOM**, **STAGE**, **HALL** and **CONCERT**.

- The depth of each reverb type can be set. (Refer to page 12.)

SEQUENCER

Record your performance and have it automatically played back. (Refer to page 14.)

Sustain pedal

The right pedal allows you to use sustain. When a key is released while this pedal is depressed, the sound is sustained so that it lingers and slowly fades out.

- On the PX107, the right pedal is an 8-stage pedal, and the length of the sustain is controlled by the degree to which the pedal is depressed.
- For the **GRAND PIANO**, **UPRIGHT PIANO** and **ROCK PIANO** sounds, the tones of the 17 uppermost keys are automatically sustained just like in an acoustic piano.
- String resonance is added to some sounds. (Refer to page 12.)

Setting the effects for each sound

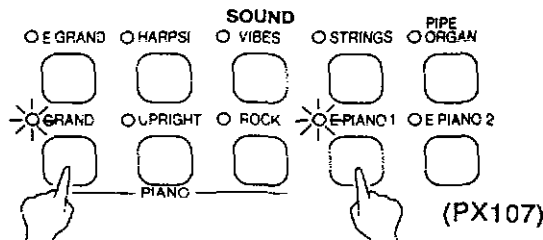
The **DIGITAL CELESTE**, **BRILLIANCE** and **DIGITAL REVERB** are stored independently for each sound. When a **SOUND** button is pressed, the effect settings for the selected sound are recalled.

Mixing two sounds

You can play two different sounds at the same time, thus obtaining a composite sound having a depth not possible in a single sound. The volume balance for each of the sounds can also be adjusted.

Mixing sounds

1. Press two **SOUND** buttons at the same time.



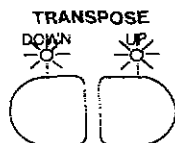
2. Press any key on the keyboard to hear the mixed sound.

- When sounds are mixed, the sustain pedal does not function for the **HARPSI** and **PIPE ORGAN** sounds.
- The volume balance and effects can be set and memorized for each combination of mixed sounds.

Volume balance

■ PX101

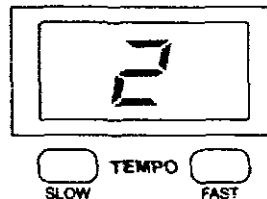
1. Press the two **SOUND** buttons continuously for 2 or 3 seconds.
 - The indicators for the two sounds and the **TRANSPOSE** indicators flash.
2. Use the **TRANSPOSE** buttons to adjust the volume balance.



- Each time the **UP** button is pressed, the volume of the right-side sound increases, and each time the **DOWN** button is pressed, the volume of the left-side sound increases. Play the keyboard to hear the volume balance.
 - If either sound is set to the maximum volume and you attempt to further increase its volume, the **TRANSPOSE** indicators flash.
 - If the two buttons are pressed at the same time, the volume is equally balanced.
3. When you have finished adjusting the volume balance, press any **SOUND** button.

■ PX103/PX107

1. Press the two **SOUND** buttons continuously for 2 or 3 seconds.
 - The indicators for the two sounds flash, and the current volume balance is shown on the display.
2. Use the **TEMPO** buttons to adjust the volume balance.

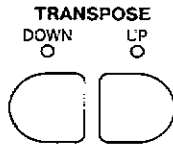


- Each time the **FAST** button is pressed, the volume of the right-side sound increases, and each time the **SLOW** button is pressed, the volume of the left-side sound increases. Play the keyboard to hear the volume balance.
 - If the two selected **SOUND** buttons are aligned vertically, the **FAST** button adjusts the upper row sound and the **SLOW** button adjusts the lower row sound.
 - On the display, the right-side sound is louder when a number 1 to 5 is shown, and the left-side sound is louder when a number -1 to -5 is shown.
 - If the two buttons are pressed at the same time, the volume is equally balanced.
3. When you have finished adjusting the volume balance, press any **SOUND** button.

Transpose

Suppose you learn to play a song—in the key of C, for example—and decide you want to sing it, only to find it's either too high or too low for your voice. Your choice is to either learn the song all over again, in a different key, or to use the **TRANSPOSE** feature.

Use the **TRANSPOSE** buttons to adjust the key.



- If either of the **TRANSPOSE** indicators remains lit, it indicates that the piano is set to a key other than C.
- The indicators will flash if you attempt to transpose to a key higher or lower than the upper (F[#]) or lower (G) limit.
- If the two buttons are pressed at the same time, the key returns to C.

Each press of the DOWN button:	Each press of the UP button:
G [-G] ← A [#] [-R _b] ← A [-R] ← B [#] [-S _b] ← B [-S] ← C [C]	→ D [#] [d _b] → D [d] → E [#] [E _b] → E [E] → F [F] → F [#] [F _S]

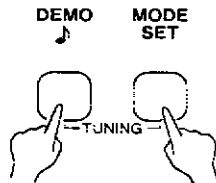
* [] shows the indication on the PX103/ PX107 display.

Tuning

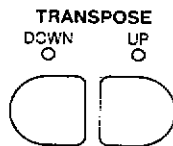
The pitch of the instrument can be adjusted. This capability is useful, for example, for ensemble playing.

■ PX101

1. Press the **DEMO** and **MODE SET** buttons simultaneously.



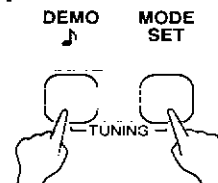
2. Use the **TRANSPOSE** buttons to adjust the pitch.



- Press the **UP** button to raise the pitch and press the **DOWN** button to lower the pitch (427.3–440.0–453.0 Hz).
 - Press and hold either **TRANSPOSE** button to change the pitch quickly.
 - The indicators will flash if you attempt to set the pitch higher or lower than the upper or lower limit.
 - If both **TRANSPOSE** buttons are pressed at the same time, the pitch returns to 440.0 Hz.
3. When you have finished adjusting the pitch, press either the **DEMO** button or the **MODE SET** button.

■ PX103/PX107

1. Press the **DEMO** and **MODE SET** buttons simultaneously.



- The current tuning is shown on the display.
2. Use the **TEMPO** buttons to adjust the pitch.

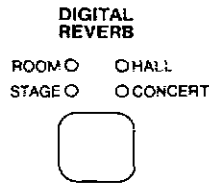


- Press the **FAST** button to raise the pitch and press the **SLOW** button to lower the pitch (427.3–440.0–453.0 Hz).
 - Press and hold either **TEMPO** button to change the pitch quickly.
 - The 100's digit (4) is not shown on the display. The decimal can be set to 0, 3 or 6.
 - If both **TEMPO** buttons are pressed at the same time, the pitch returns to 440.0 Hz.
3. When you have finished adjusting the pitch, press either the **DEMO** button or the **MODE SET** button.

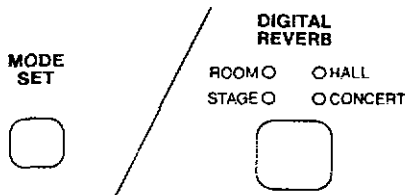
Reverb depth (PX103/PX107)

The depth of the **DIGITAL REVERB** can be adjusted for each reverb type.

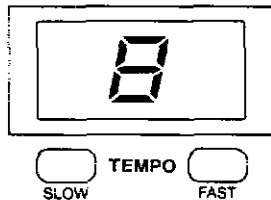
1. Select a type of **DIGITAL REVERB**.



2. While pressing the **MODE SET** button, press the **DIGITAL REVERB** button.



3. Use the **TEMPO** buttons to adjust the depth of the reverb.



- The current reverb depth (1–8) is shown on the display.
- Each press of the **FAST** button increases the reverb depth, and each press of the **SLOW** button decreases the reverb depth.
- To return instantaneously to the standard reverb depth, press the two **TEMPO** buttons at the same time.

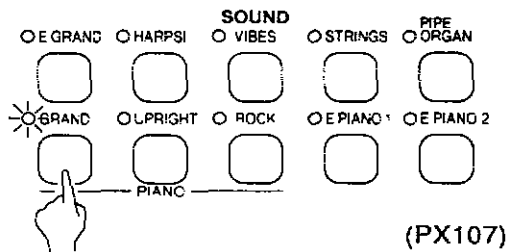
4. When you have finished adjusting the reverb depth, press either the **MODE SET** button or the **DIGITAL REVERB** button.

- The depth of the other **DIGITAL REVERB** types can be adjusted in the same way.

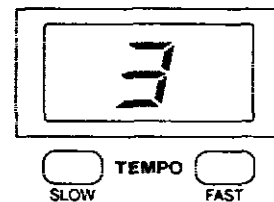
String resonance (PX103/PX107)

String resonance is the sound heard in an acoustic piano when the struck strings produce a sympathetic resonance of the other unstruck strings. For the **GRAND PIANO**, **UPRIGHT PIANO** and **ROCK PIANO** sounds, string resonance is produced as long as the sustain pedal is depressed. The amount of string resonance can be adjusted.

1. Press and hold the **GRAND PIANO** button for about 3 seconds.



2. Use the **TEMPO** buttons to adjust the amount of resonance (0–7).



- Each time the **FAST** button is pressed, the resonance increases. Each time the **SLOW** button is pressed, the resonance decreases.
- When set to 0, there is no string resonance.

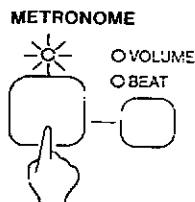
3. When you have finished adjusting the string resonance, press the **GRAND PIANO** button again.

Metronome (PX103/PX107)

You can play in time with the metronome sound, and you can add an accent to the metronome sound.

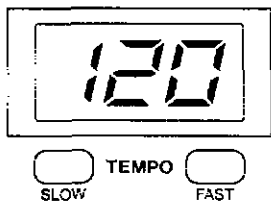
Metronome sound

1. Press the **METRONOME** button to turn it on.



- The metronome sound begins.

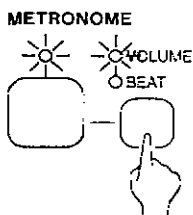
2. Adjust the tempo with the **TEMPO** buttons.



- Each time the **SLOW** button is pressed, the tempo slows down, and each time the **FAST** button is pressed, the tempo speeds up.
 - The tempo can be adjusted to $\downarrow = 40-300$ and is shown on the display.
 - Press and hold either **TEMPO** button to change the tempo quickly.
 - Pressing both **TEMPO** buttons at the same time returns the tempo to the standard $\downarrow = 120$.
3. Press the **METRONOME** button again to turn off the metronome sound.

Metronome volume

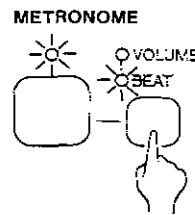
1. Press the **VOLUME BEAT** button so that the **VOLUME** indicator lights.



2. Use the **TEMPO** buttons to adjust the volume.
 - Each press of the **FAST** button increases the volume, and each press of the **SLOW** button decreases the volume.
 - The volume can be adjusted to a setting from 1 to 9.
 - If the two buttons are pressed at the same time, the volume returns to 5.
3. When you have finished making the setting, press the **VOLUME BEAT** button twice so that the indicators go out.

Accented metronome sound

1. Press the **VOLUME BEAT** button so that the **BEAT** indicator lights.



2. Use the **TEMPO** buttons to select the time signature.
 - Select a time signature from OFF, 2/4, 3/4, 4/4, 5/4 and 6/8.
 - An accent is added to the first beat of each measure of the selected time signature.
 - The accent is shown on the display.



Accent indication

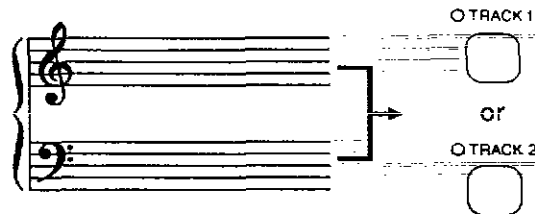
- If OFF is selected, the beat is not accented.
 - Pressing both **TEMPO** buttons at the same time returns the time signature to the standard 4/4 time.
3. When you have finished making the setting, press the **VOLUME BEAT** button once so that the indicators go out.

Sequencer (PX103/PX107)

You can store your performance in the **SEQUENCER** and have it played back. There are two **SEQUENCER** tracks, each of which can be recorded independently (multi-track recording) and played back separately or together.

How to use the sequencer

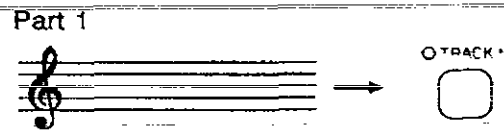
- Record your performance just as you play it.



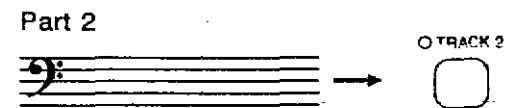
The performance data, pedal operation, beginning sound and sound selection changes and **DIGITAL CELESTE** on/off operation are all recorded in the **SEQUENCER**.

- Record each of the two parts separately (multi-track recording).

1. Record part 1 in **TRACK 1**.



2. While playing back part 1, record part 2 in **TRACK 2**.



- Record, for example, the right-hand part in **TRACK 1** and left-hand part in **TRACK 2**.

Recording

Follow these step-by-step instructions to record the example below in the **SEQUENCER**.

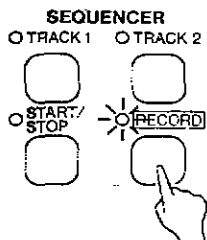
< TRACK 1 >
GRAND PIANO

< TRACK 2 >
PIPE ORGAN



■ **Record TRACK 1.**

1. Select the sound and set the **DIGITAL CELESTE** to on or off.
2. Press the **RECORD** button to turn it on.



- The **TRACK 1** and **2** indicators flash rapidly.
3. Press the **TRACK 1** button.



- The **TRACK 2** indicator goes out and the **TRACK 1** indicator flashes slowly.



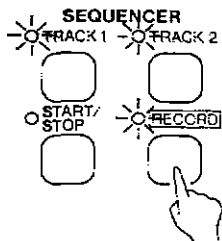
- Recording starts when you begin to play the keyboard.
 - Recording will also begin if the **START/STOP** button is pressed.
5. When you have completed recording the **TRACK 1** part, press the **RECORD** button to turn it off.



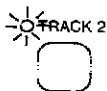
- Recording will also stop if the **START/STOP** button is pressed.
- The indicator for the recorded track changes from flashing to the lit condition.

■ **Record TRACK 2.**

1. Select the sound and set the **DIGITAL CELESTE** to on or off.
2. Confirm that the **TRACK 1** indicator is lit.
 - If it is not lit, press the **TRACK 1** button to turn it on.
3. Press the **RECORD** button to turn it on.



- The **TRACK 2** indicator flashes rapidly.
4. Press the **TRACK 2** button.



- The **TRACK 2** indicator flashes slowly.

5. Play the **TRACK 2** part.



- Because the part already recorded in **TRACK 1** is played back automatically, you can play the **TRACK 2** part in time with it.
 - Recording will also begin if the **START/STOP** button is pressed.
6. When you have completed recording the **TRACK 2** part, press the **RECORD** button to turn it off.

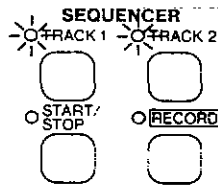


■ **More about SEQUENCER recording**

- Expressed in terms of notes, the total number of notes which can be recorded in both **SEQUENCER** tracks is about 4000.
- When the remaining **SEQUENCER** storage capacity becomes 20% or less, it is indicated on the display as %.
- When an error tone sounds and "FUL" appears on the display, the memory is full and the recording mode stops automatically.
- You cannot record both tracks at the same time.
- You can use the **METRANOME** while recording.
- For difficult tunes, for example, you can record at a slow speed and play back at a higher speed without changing the pitch.

Playback

1. Confirm that the indicators are lit for the tracks you wish to have played back.



- Tracks whose indicators are not lit will not be played back.

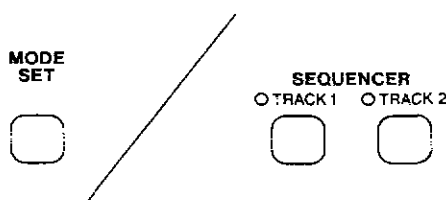
2. Press the **START/STOP** button.



- The recorded tune is played back from the beginning.
- You can adjust the playback speed with the **TEMPO** buttons.
- If the recording procedure was not performed correctly, "Err" will appear on the display when you attempt to play back the tune.
- PX107: In some cases, the recorded sustain pedal effect may have a different nuance during playback.

Erasing a track

While pressing the **MODE SET** button, press the button for the track you wish to erase until a beep tone sounds (about 2 or 3 seconds).



- The contents of the track are erased, and "CLr" appears on the display.
- You can erase both tracks at the same time by pressing the two track buttons simultaneously.
- You cannot erase a track by this method when the **RECORD** button is on.

The contents of the **SEQUENCER** remain in the memory for about one week after the **POWER** is turned off.

Setting the functions

You can set various functions, for example, the type of tuning, or how the sound is produced when the keys are pressed very slowly.

Settings which can be adjusted

Function	on (when indicator is lit)	off (when indicator is not lit)
PIANO TUNING	Standard acoustic piano tuning, in which the lower pitches are tuned slightly lower and the higher pitches are tuned slightly higher (default setting).	Standard equal temperament.
MINIMUM RANGE	No sound is produced when a key is played extremely softly (default setting). • For the HARPSI, PIPE ORGAN, VIBES (PX103/PX107) and STRINGS (PX107) sounds, sound is always produced even when MINIMUM RANGE is set to on.	In piano-type sounds, sound is produced regardless of how softly the keys are pressed.
SOSTENUTO (PX101)	The soft pedal works as a sostenuto pedal. • For the PIPE ORGAN sound, the tones continue to sound for as long as the pedal is depressed...	The soft pedal works as a normal soft pedal (default setting).

Procedure

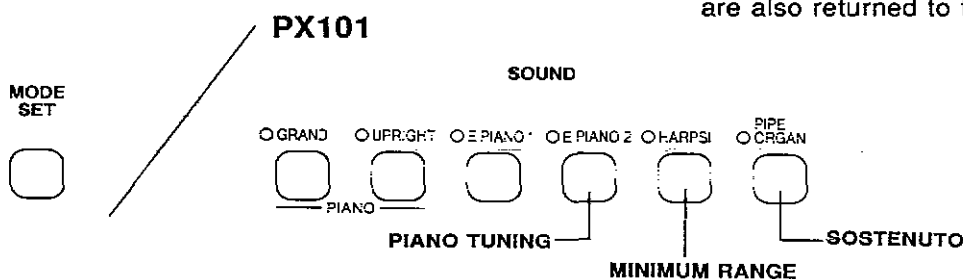
While pressing the **MODE SET** button, turn the desired function on or off by pressing the relevant button.

- When changing the settings, the panel buttons function as shown in the illustrations.

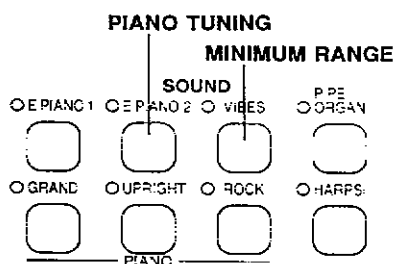
■ Initialization

If the **INITIAL** key on the keyboard (see page 22) is pressed while the **MODE SET** button is depressed, all settings return to their default status.

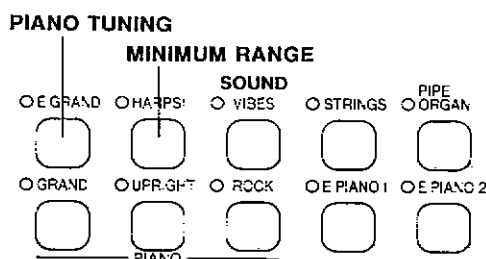
- Note that when you perform the initialization procedure, the MIDI settings (refer to page 20) are also returned to their default status.



PX103



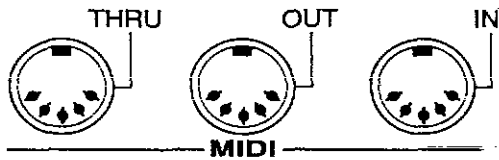
PX107



MIDI

MIDI (Musical Instrument Digital Interface) is the international standard for digital communication of electronic musical instrument data. This means that any equipment which has a MIDI terminal—such as electronic musical instruments and personal computers—can easily exchange digital data with other MIDI equipment without resorting to complicated conversions or connections.

About the MIDI terminals



IN: The terminal by which this instrument receives data from other equipment.

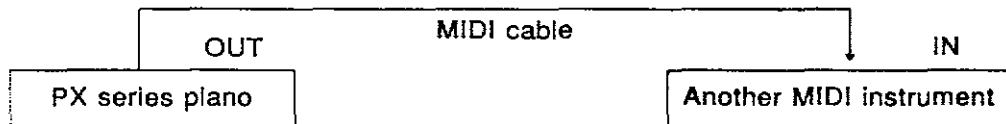
OUT: The terminal that transmits data from this instrument to other equipment.

THRU: The terminal that transfers data from the **IN** terminal directly to other equipment.

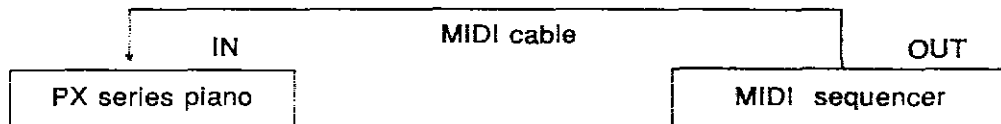
- For these connections, use a commercially available MIDI cable. Contact your Technics dealer for more information.

Connection examples

- To generate sound from a connected instrument by playing this instrument



- To generate sound from this instrument by operating a connected MIDI sequencer



The following kinds of data can be transmitted/received.

- Key note on/off data (keyboard performance data)
- Pedal on/off data
- **DIGITAL CELESTE** on/off data
- **PROGRAM CHANGE** (sound selection change) data*

* Refer to page 22 regarding data transmission.

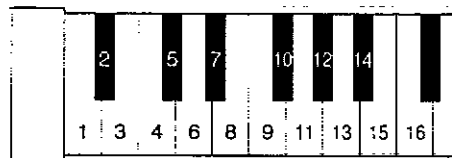
Assigning the MIDI CHANNEL (MIDI CH)

You can assign a MIDI CHANNEL number (1–16) to this instrument.

- The default channel setting is 1.

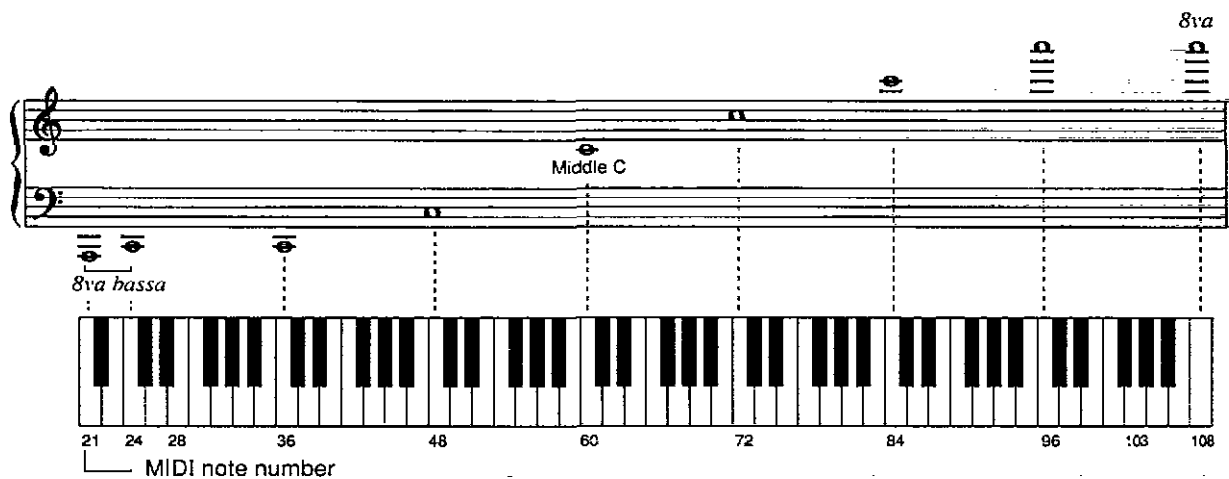
While pressing the **MODE SET** button, use the 16 lowermost keys (see illustration) to assign the desired MIDI CHANNEL number.

MODE
SET



- PX103/PX107: The selected MIDI CHANNEL number is shown on the display.

Keyboard and MIDI note number



The following MIDI functions can be set.

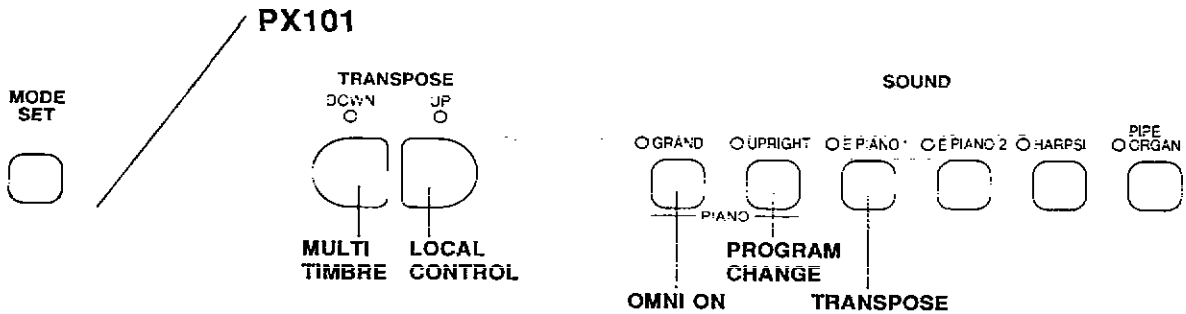
The **TRANSPOSE** buttons and some of the **SOUND** buttons, when used in conjunction with the **MODE SET** button, serve to set the following MIDI functions.

Function	on (when indicator is lit)	off (when indicator is not lit)
MULTI TIMBRE	<p>This piano can be used as a multiple sound generator, and data can be received separately for each sound.</p> <ul style="list-style-type: none"> •When set to on, the OMNI ON setting automatically turns off. 	<p>This piano cannot be used as a multiple sound generator (default status).</p>
	<ul style="list-style-type: none"> •The MIDI channel for each sound is 1, 2, 3, etc. following the SOUND buttons as they are lined up from left to right (PX101) or bottom row from left to right, then top row from left to right (PX103/PX107). 	
LOCAL CONTROL	<p>The performance from this instrument also sounds from this instrument (default status).</p> <ul style="list-style-type: none"> •When the POWER is turned on, the LOCAL CONTROL is set to on. 	<p>The performance from this instrument does not sound from this instrument. Set to off when this instrument is to be used only to transmit data to connected equipment.</p>
OMNI ON	<p>Data is received for all MIDI channels (default status).</p> <ul style="list-style-type: none"> •When set to on, the MULTI TIMBRE setting automatically turns off. 	<p>Data is received only on MIDI channels which are matched.</p> <ul style="list-style-type: none"> •For assigning this instrument's MIDI channels, refer to page 19.
PROGRAM CHANGE	<p>PROGRAM CHANGE data is transmitted/received (default status).</p> <ul style="list-style-type: none"> •You can also transmit data for any PROGRAM CHANGE number. (Refer to page 22.) 	<p>PROGRAM CHANGE data is not transmitted/received.</p>
TRANSPOSE	<p>When this instrument's TRANSPOSE function is active, note numbers of the transposed notes are transmitted.</p>	<p>When this instrument's TRANSPOSE function is active, note numbers of the played keys (non-transposed notes) are transmitted (default status).</p>
PEDAL (PX103/PX107)	<p>Pedal operation data is transmitted/received (default status).</p>	<p>Pedal operation data is not transmitted/received.</p>
EFFECT (PX103/PX107)	<p>The DIGITAL CELESTE on/off status is transmitted/received (default status).</p>	<p>The DIGITAL CELESTE on/off status is not transmitted/received.</p>

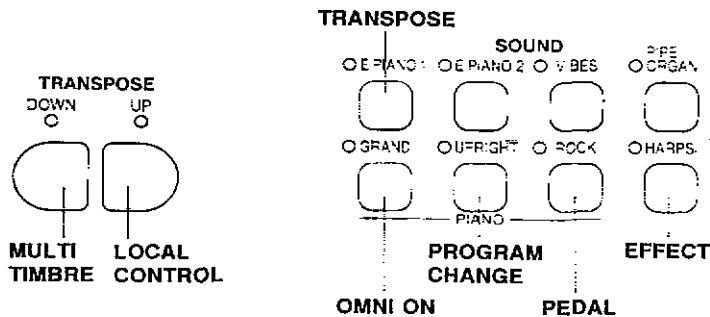
Procedure

While pressing the **MODE SET** button, turn the desired function on or off by pressing the relevant button.

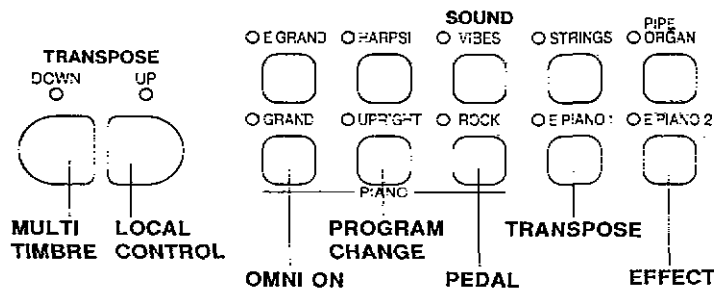
- When using the MIDI functions, the panel buttons function as shown in the illustrations.



PX103



PX107



■ Initialization

If the **INITIAL** key on the keyboard (see page 22) is pressed while the **MODE SET** button is depressed, all settings return to their default status.

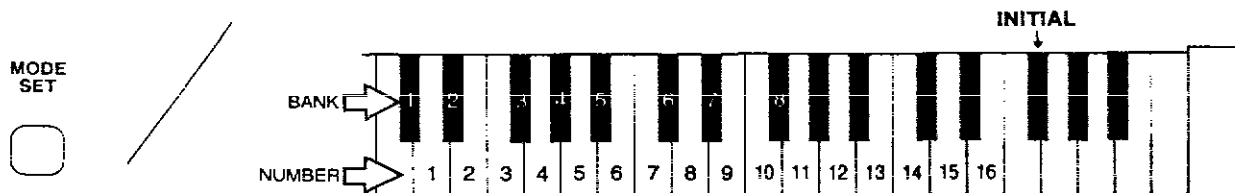
- Note that when you perform the initialization procedure, the function settings (refer to page 17) are also returned to their default status.

While the **MODE SET** button is depressed, the keyboard keys do not produce sound.

Transmitting PROGRAM CHANGE numbers

This piano can be used to transmit desired PROGRAM CHANGE numbers to the connected instrument.

While pressing the **MODE SET** button, using the numbers on the keyboard illustration below for reference, press a black key to specify the **BANK** and a white key to specify the **NUMBER**. (Refer to the PROGRAM CHANGE number table.)



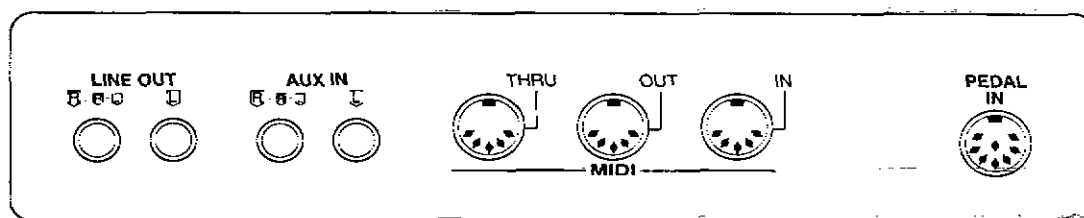
- PROGRAM CHANGE numbers are transmitted by combining a BANK and NUMBER to specify the desired PROGRAM CHANGE number 0–127.
- PX103/PX107: The selected PROGRAM CHANGE number is shown on the display.
- You can also use the **SOUND** buttons to specify the PROGRAM CHANGE number, beginning with 0 as they are lined up from left to right (PX101) or bottom row from left to right, then top row from left to right (PX103/PX107).

PROGRAM CHANGE number table

BANK \ NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
3	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
4	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
5	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
6	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
7	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
8	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127

Connections

(On the back of piano)



PEDAL IN

Connect the cord from the included stand to this terminal.

AUX IN (input level 0.5 Vrms, 6 kΩ)

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 instruments to the R/R+L terminal.

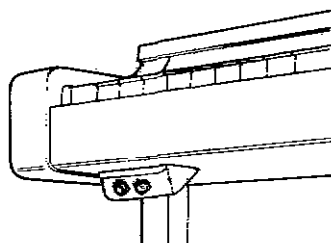
LINE OUT (output level 1.5 Vrms, 600 Ω)

By plugging into a high-power amplifier, the sound can be reproduced at high volume. (Use the R/R+L terminal when outputting monaural sound.)

PHONES (Ω)×2

(Beneath the keyboard, on the left side)

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.



Symptoms which appear to be signs of trouble

Phenomenon	Remedy
No sound is produced when the keyboard is played.	<ul style="list-style-type: none"> • No sound is produced if the MAIN VOLUME is set to MIN. Use the sliding control to set the volume to an appropriate level. • If the MIDI LOCAL CONTROL is set to off, set it to on. (Refer to page 21.)
Nothing is shown on the display. (PX103/PX107)	<ul style="list-style-type: none"> • The metronome, SEQUENCER tempo, etc. are indicated on the display. During normal performance, however, the display is off.

■ About the back-up memory

The selected sound and various functions, MIDI settings and **SEQUENCER** (PX103/PX107) contents remain in the memory for about 30 minutes (PX101) or about one week (PX103/PX107) after the **POWER** is turned off. If you wish to return all memories and settings to their initial status, while pressing the **MODE SET**

button, press the **INITIAL** key on the keyboard. Or you can turn on the **POWER** while pressing the **INITIAL** key.

- When the **POWER** is turned on, the **MIDI LOCAL CONTROL** is set to on.

Précautions d'utilisation

Installation de l'instrument

1. Choisir un endroit bien ventilé.
Faire attention que la ventilation autour de l'instrument soit suffisante et que les orifices de ventilation ne soient recouverts par aucune matière comme par exemple un rideau.
2. Ne pas placer l'instrument à proximité d'une source de chaleur excessive.
3. Ne pas le placer non plus à un endroit où il pourrait être soumis à l'humidité, à des vibrations ou à la poussière.

Alimentation de l'instrument

1. Assurez-vous que la tension indiquée sur le sélecteur à l'arrière de l'instrument correspond bien à la tension du secteur avant de connecter le câble d'alimentation.
2. Un bloc d'alimentation externe ne peut être utilisé.

Utilisation du cordon d'alimentation

1. Ne jamais toucher le cordon d'alimentation avec des mains mouillées.
2. Ne jamais tirer sur ce cordon pour le débrancher.

L'insertion d'objet métallique à l'intérieur de l'instrument peut engendrer des dommages électriques.

Soyez particulièrement prudent si des enfants demeurent à proximité de l'instrument.

Si malencontreusement cela arrivait, débranchez le câble d'alimentation de l'instrument et faites appel à votre revendeur.

Si de l'eau pénètre dans l'instrument

Débranchez le câble d'alimentation et faites appel à votre revendeur.

Par précaution ne pas placer de vase ni de récipient contenant un liquide, sur le dessus de l'instrument.

Si quelque chose vous paraît anormal

Couper l'alimentation générale immédiatement, débrancher le câble d'alimentation et faites appel à votre revendeur.

Ne pas utiliser l'instrument jusqu'à ce qu'il soit réparé par un technicien qualifié.

- L'instrument contient une alimentation, il est donc normal qu'il dégage un peu de chaleur.

A propos du cordon d'alimentation

Si celui-ci est détérioré, partiellement entamé, cassé ou réalise un mauvais contact, il peut engendrer un risque d'incendie ou de court-circuit. **NE JAMAIS UTILISER** un cordon d'alimentation en mauvais état. Remplacez-le immédiatement en vous adressant à votre revendeur.

Ne pas toucher les parties internes de l'instrument

Certaines parties internes de l'instrument sont soumises à un voltage important. Ne jamais tenter de démonter le couvercle ou le panneau arrière de l'instrument et de toucher les éléments internes à main nue ou avec un tournevis.

Ne jamais procéder à une réparation quelconque par vous-même. Faites appel à un technicien qualifié.

Entretien

Les instructions suivantes vous permettront une utilisation optimale de votre instrument.

- Assurez-vous que l'alimentation générale de l'instrument soit bien coupée après chaque utilisation de celui-ci. Ne pas actionner le commutateur **POWER** plusieurs fois de suite.
- Pour l'entretien de l'ébénisterie utilisez un chiffon doux et sec. Vous pouvez utiliser des produits d'entretien ne contenant pas de solvants.

**EN CAS DE PROBLEME, FAITES APPEL A VOTRE REVENDEUR
OU A UN TECHNICIEN QUALIFIE.**

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.

MONTAGE

Procéder au montage de votre piano en suivant les instructions illustrées ci-dessous.

Pour le démontage, renverser l'ordre des instructions.

- Fixer solidement le pied du piano en serrant bien les vis afin d'éviter les risques de chute.

MONTAJE

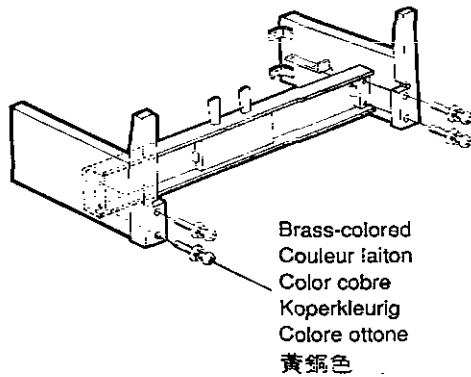
Lleve a cabo el montaje de su piano Technics como se indica en las ilustraciones siguientes.

Para desmontar el piano, invierta el procedimiento.

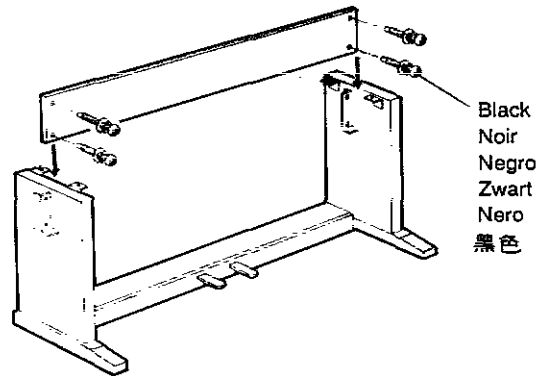
- Para prevenir que el cuerpo del piano caiga del soporte, asegúrelo firmemente con los pernos.

PX101

1

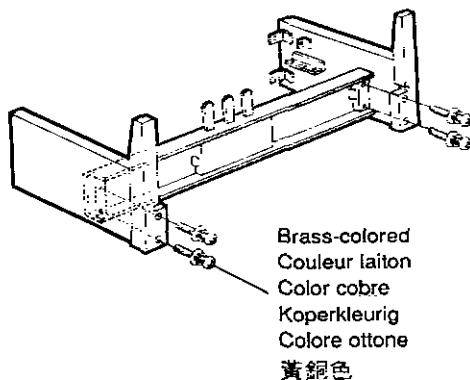


2

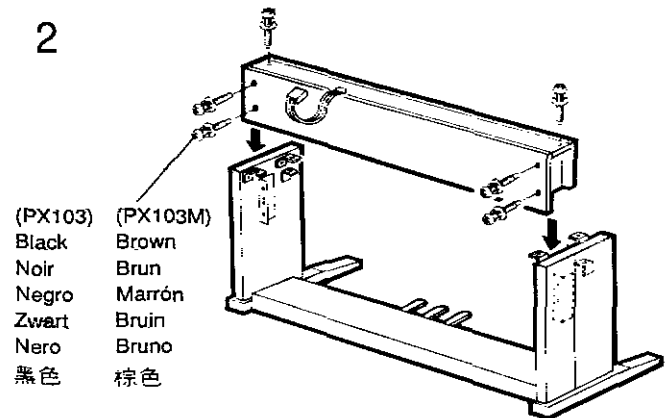


PX103

1

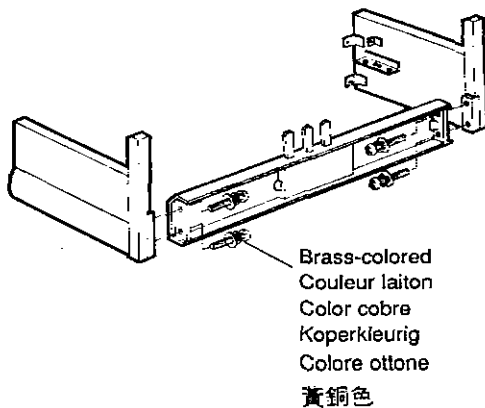


2

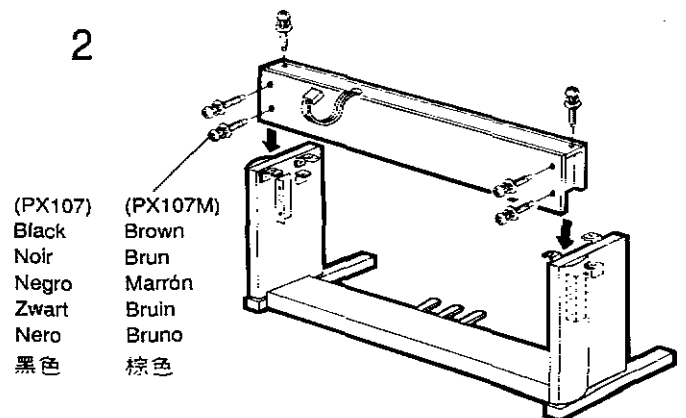


PX107

1



2



Specifications

	SX-PX101	SX-PX103(M)	SX-PX107(M)
KEYBOARD	88 KEYS (POLYPHONIC 32 NOTES)		88 KEYS (POLYPHONIC 64 NOTES)
SOUNDS	GRAND PIANO, UPRIGHT PIANO, E PIANO 1, E PIANO 2, HARPSI, PIPE ORGAN	GRAND PIANO, UPRIGHT PIANO, ROCK PIANO, HARPSI, E PIANO 1, E PIANO 2, VIBES, PIPE ORGAN	GRAND PIANO, UPRIGHT PIANO, ROCK PIANO, E PIANO 1, E PIANO 2, E GRAND, HARPSI, VIBES, STRINGS, PIPE ORGAN
PEDAL	SOFT, SUSTAIN	SOFT, SOSTENUTO, SUSTAIN	
BRILLIANCE	—	MELLOW, BRIGHT (5 STEPS)	
DIGITAL CELESTE	○		
DIGITAL REVERB	○ (ROOM, STAGE, HALL)	○ (ROOM, STAGE, HALL, CONCERT)	
TOUCH SENSITIVITY	LIGHT, NORMAL, HEAVY		
TRANPOSE	G-C-F#		
TUNING	427.3-440.0-453.0 Hz		
METRONOME	—	○ (TIME SIGNATURE: OFF, 2/4, 3/4, 4/4, 5/4, 6/8)	
SEQUENCER	—	TRACK (1, 2), STORAGE CAPACITY: APPROX. 4000 NOTES, RECORDING MODE: REAL TIME	
DISPLAY	—	○	
DEMO	○		
MIDI	MULTI TIMBRE, LOCAL CONTROL, OMNI ON, PROGRAM CHANGE, TRANSPOSE	MULTI TIMBRE, LOCAL CONTROL, OMNI ON, PROGRAM CHANGE, PEDAL, EFFECT, TRANSPOSE	
MODE SET	PIANO TUNING, MINIMUM RANGE, SOSTENUTO	PIANO TUNING, MINIMUM RANGE	
OTHERS	POWER SWITCH, MAIN VOLUME, MIDI TERMINALS (IN, OUT, THRU), PEDAL IN, AUX IN (R/R+L, L), LINE OUT (R/R+L, L), PHONESx2, AC IN, INITIAL KEY		
OUTPUT	25 Wx2	40 Wx2	60 Wx2
SPEAKERS	14 cmx2	14 cmx2, 6.5 cmx2	
POWER REQUIREMENT	145 W 90 W (NORTH AMERICA AND MEXICO)	190 W 115 W (NORTH AMERICA AND MEXICO)	250 W 160W (NORTH AMERICA AND MEXICO)
	AC120/220/240V 50/60 Hz AC120V 60 Hz (NORTH AMERICA AND MEXICO) AC230V 50/60 Hz (NEW ZEALAND AND EUROPE EXCEPT FOR UNITED KINGDOM)		
DIMENSIONS (WxHxD)	137.3 cmx97.3 cmx45.3 cm (54-1/16"x38-5/16"x17-27/32")	137.3 cmx100.3 cmx48.0 cm (54-1/16"x39-1/2"x18-29/32")	138.7 cmx102.4 cmx50.9 cm (54-19/32"x40-5/16"x20-1/32")
NET WEIGHT	44 kg (97.0 lbs.)	60.7 kg (133.8 lbs.)	70.0 kg (154.3 lbs.)
ACCESSORIES	MUSIC STAND, AC CORD, STAND	AC CORD, STAND	

• Design and specifications are subject to change without notice.