YAMAHA

PORTATONE

PSR-275
PSR-273

Owner's Manual

BASS BOOST SYSTEM | YAMAHA EDUCATION SUITE 2 | TOUCH RESPONSE | ONE TOUCH SETTING | STEREO SAMPLED PIANO | GENERAL MIDI | XG XGlite

SPECIAL MESSAGE SECTION

This product utilizes batteries or an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

SPECIFICATIONS SUBJECT TO CHANGE:
The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for long periods 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. IMPORTANT: The louder the sound, the shorter the time period before damage occurs.

NOTICE:
Service charges incurred due to a lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

ENVIRONMENTAL ISSUES:
Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

Battery Notice:
This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

This product may also use "household" type batteries. Some of these may be rechargeable. Make sure that the battery being charged is a rechargeable type and that the charger is intended for the battery being charged.

When installing batteries, do not mix batteries with new, or with batteries of a different type. Batteries MUST be installed correctly. Mismatches or incorrect installation may result in overheating and battery case rupture.

Warning:
Do not attempt to disassemble, or incinerate any battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

Disposal Notice:
Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, please contact Yamaha directly.

NAME PLATE LOCATION:
The name plate is located on the bottom of the product. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.

Model _____

Serial No. _____

Purchase Date _____

PLEASE KEEP THIS MANUAL

92-BP (bottom)

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance

with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

OBSERVERA!
Apparaten kopplas inte ur växelströmskällan (nätet) sá länge som den ar ansluten till vägguttaget, även om själva apparaten har stängts av.

ADVARSEL: Netspændingen til dette apparat er IKKE afbrudt, sálænge netledningen siddr i en stikkontakt, som er t endt — ogsá selvom der or slukket pá apparatets afbryder.

VAROITUS: Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.

(standby)

Entsorgung leerer Batterien (nur innerhalb Deutschlands)

Leisten Sie einen Beitrag zum Umweltschutz. Verbrauchte Batterien oder Akkumulatoren dürfen nicht in den Hausmüll. Sie können bei einer Sammelstelle für Altbatterien bzw. Sondermüll abgegeben werden. Informieren Sie sich bei Ihrer Kommune.

(battery)

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

* Please keep this manual in a safe place for future reference.

⚠ WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/AC power adaptor

- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (PA-3C or PA-3B or an equivalent recommended by Yamaha) only. Using the wrong adaptor can result in damage to the instrument or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.
- Do not place the AC adaptor cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.

Do not open

- Do not open the instrument or attempt to disassemble the internal parts or modify them in any way. The instrument contains no user-serviceable parts. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.

Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, or place containers on it containing liquids which might spill into any openings.
- Never insert or remove an electric plug with wet hands.

Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

If you notice any abnormality

- If the AC adaptor cord or plug becomes frayed or damaged, or if there is a sudden loss of sound during use of the instrument, or if any unusual smells or smoke should appear to be caused by it, immediately turn off the power switch, disconnect the adaptor plug from the outlet, and have the instrument inspected by qualified Yamaha service personnel.

⚠ CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the instrument or other property. These precautions include, but are not limited to, the following:

Power supply/AC power adaptor

- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord.
- Unplug the AC power adaptor when not using the instrument, or during electrical storms.
- Do not connect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.

Battery

- Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in overheating, fire, or battery fluid leakage.
- Always replace all batteries at the same time. Do not use new batteries together with old ones. Also, do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause overheating, fire, or battery fluid leakage.
- Do not dispose of batteries in fire.

- Do not attempt to recharge batteries that are not intended to be charged.
- When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument to prevent possible leakage of the battery fluid.
- Keep batteries away from children.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

Location

- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration or damage to the internal components.
- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise.

- Do not place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected adaptor and other cables.
- Use only the stand specified for the instrument. When attaching the stand or rack, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

Connections

- Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum. Also, be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

Maintenance

- When cleaning the instrument, use a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel or keyboard. If this happens, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or keyboard.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not operate the instrument for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

Always turn the power off when the instrument is not in use.

When using a power adaptor, even when the power switch is in the "STANDBY" position, electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time, make sure you unplug the AC power adaptor from the wall AC outlet.

Make sure to discard used batteries according to local regulations.

- The illustrations and LCD screens as shown in this owner's manual are for instructional purposes only, and may be different from the ones on your instrument.
- Unless otherwise indicated, the example panel control illustrations, Keyboard illustrations and LCD screenshots are taken from the PSR-275.

● **The demo-song (or composition) included in this keyboard is as follows:**

Composition Title : An Englishman In New York
Composer's Name : Sumner 0590545
Copyright Owner's Name : G M SUMNER LTD
CAUTION : All Rights Reserved, Unauthorized copying, public performance and broadcasting are strictly prohibited regarding the above song.

● **COPYRIGHT NOTICE**

This product incorporates and bundles computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, styles files, MIDI files, WAVE data and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

● **Trademarks**

- Apple and Macintosh are trademarks of Apple Computer, Inc., registered in the U.S. and other countries.
- Windows is the registered trademark of Microsoft® Corporation.

All other trademarks are the property of their respective holders.

Congratulations on your purchase of the Yamaha PSR-275/273 PortaTone!

You now own a portable keyboard that combines advanced functions, great sound and exceptional ease-of-use in a highly compact package. Its outstanding features also make it a remarkably expressive and versatile instrument.

Read this Owner's Manual carefully while playing your new PSR-275/273 in order to take full advantage of its various features.

Main Features

The PSR-275/273 is a sophisticated yet easy-to-use keyboard with the following features and functions:

■ **Stereo Sampled Piano** .... **page 21**
The PSR-275/273 has a special Portable Grand Piano Voice — created by state-of-the-art stereo sampling technology and using Yamaha's sophiscated AWM (Advanced Wave Memory) tone generation system.

■ **Touch Response** .... **page 27**
The exceptionally natural Touch Response feature, with a convenient front panel on/off switch, gives you maximum expressive level control over the voices. It also works in conjunction with the Dynamic Filter, which dynamically adjusts the timbre or tone of a voice according to your playing strength — just a like a real musical instrument!

■ **Yamaha Education Suite** .... **pages 40, 42, 49**
The PSR-275/273 features the new Yamaha Education Suite — a set of learning tools that utilize the latest technology to make studying and practicing music more fun and fulfilling than ever before!

■ **One Touch Setting** .... **page 25**
One Touch Setting (OTS), for automatically calling up an appropriate voice for playing with the selected Style and Song.

■ **Powerful Speaker System**
The built-in stereo amplifier/speaker system of the PSR-275/273 — with a special Bass Boost feature — provides exceptionally powerful, high-quality sound, letting you hear the full dynamic range of the PSR-275/273's authentic voices.

■ **GM System Level 1**
"GM System Level 1" is an addition to the MIDI standard which ensures that any GM-compatible music data can be accurately played by any GM-compatible tone generator, regardless of manufacturer. The GM mark is affixed to all software and hardware products that support GM System Level.

■ **XGlite**
As its name implies, "XGlite" is a simplified version of Yamaha's high-quality XG tone generation format. Naturally, you can play back any XG song data using an XGlite tone generator. However, keep in mind that some songs may play back differently compared to the original data, due to the reduced set of control parameters and effects.
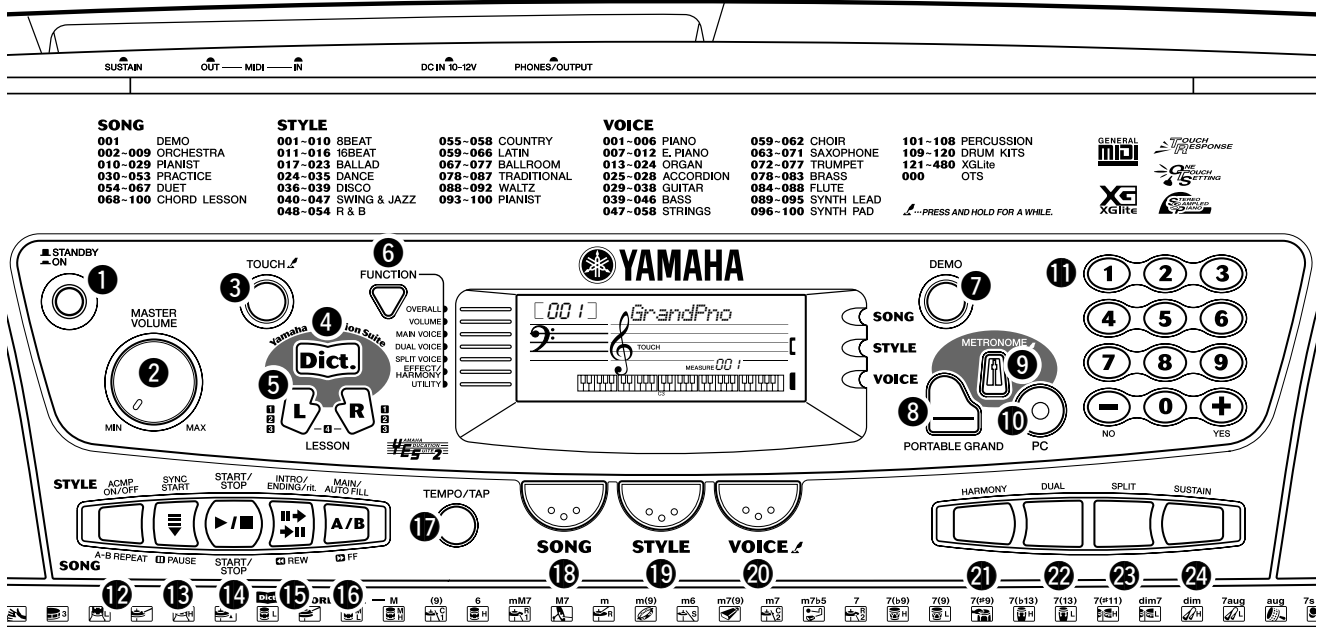
Contents

■ Front Panel

❶ Power switch ([STANDBY/ON])

❷ [MASTER VOLUME] dial
This determines the overall volume of the PSR-275/273.

❸ [TOUCH] button
This turns the Touch function on and off. (See page 27.) Holding down this button calls up the Time Signet settings.

❹ [Dict.] button
This calls up the Dictionary function (See page 42).

❺ LESSON [L] (Left) and [R] (Right) buttons
These call up the Lesson exercises for the corresponding hand (left or right) for the selected song. (See page 49.)

❻ [FUNCTION] button
This calls up the Function mode (See pages 59).

❼ [DEMO] button
This is used to play the Demo song. (See page 14.)

❽ [PORTABLE GRAND] button
This instantly calls up the Grand Piano voice. (See page 21.)

❾ [METRONOME] button
This turns the metronome on and off. (See page 21.) Holding down this button calls up the Time Signet settings.

❿ [PC] button
This convenient control lets you instantly call up the specified MIDI settings for optimum use with a connected computer or other MIDI device. (See page 58.)

⓫ Numeric keypad, [+/YES] and [–/NO] buttons
These are used for selecting songs, voices, and styles. (See pages 19.) They are also used for adjusting certain settings and answering certain display prompts.

⓬ [ACMP ON/OFF] / [A-B REPEAT] button
When the Style mode is selected, this turns the auto accompaniment on and off. (See page 34.) In the Song mode, this calls up the A-B Repeat function. (See page 47.)

⓭ [SYNC START] / [❚❚PAUSE] button
This turns the Sync Start function on and off. (See page 35.) In the Song mode, it is used to temporarily pause song playback. (See page 46.)

⓮ [START/STOP] button
When the Style mode is selected, this alternately starts and stops the style. (See page 34.) In the Song mode, this alternately starts and stops song playback. (See page 47.)

⓯ [INTRO/ENDING/rit.] / [◀◀REW] button

When the Style mode is selected, this is used to control the Intro and Ending functions. (See page 34.) When the Song mode is selected, this is used as a "rewind" control, or move the song playback point back toward the beginning.

⓰ [MAIN/AUTO FILL] / [▶▶FF] button

When the Style mode is selected, these are used to change auto accompaniment sections and control the Auto Fill function. (See page 39.) When the Song mode is selected, this is used as a "fast forward" control, or move the song playback point toward the end.

⓱ [TEMPO/TAP] button

This button is used to call up the Tempo setting, letting you set the Tempo with the numeric keypad or [+]/[–] buttons. (See page 21.) It also allows you to tap out the tempo and automatically start a selected song or style at that tapped speed. (See page 35.)

⓲ [SONG] button

This is for enabling song selection. (See page 45.)

⓳ [STYLE] button

This is for enabling style selection. (See page 33.)

⓴ [VOICE] button

This is for enabling voice selection. (See page 23.) Holding down this button calls up the Melody Voice Change function. (See page 48.)

㉑ [HARMONY] button

This turns the Harmony effect on and off. (See page 29.)

㉒ [DUAL] button

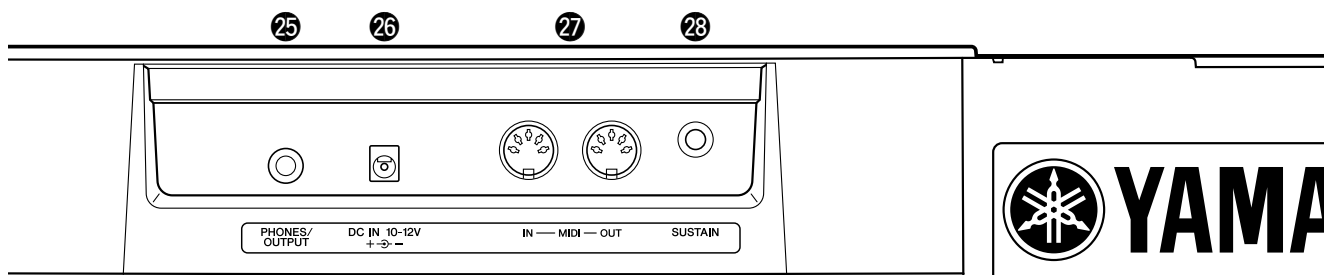This turns the Dual voice on or off. (See page 25.)

㉓ [SPLIT] button

This turns the Split voice on and off. (See page 26.)

㉔ [SUSTAIN] button

This turns the Sustain on and off. (See page 30.)

■ **Rear Panel**

㉕ PHONES/OUTPUT jack

This is for connection to a set of stereo headphones or to an external amplifier/speaker system. (See page 11.)

㉖ DC IN 10-12V jack

This is for connection to a PA-3C or PA-3B AC power adaptor. (See page 10.)

㉗ MIDI IN, MIDI OUT terminals

These are for connection to other MIDI instruments and devices. (See page 56.)

㉘ SUSTAIN jack

This is for connection to an optional FC4 or FC5 Footswitch for control over sustain, just like the damper pedal on a piano. (See page 11.)

This section contains information about setting up your PSR-275/273 for playing. Make sure to read this section carefully before using the instrument.

Power Requirements

Although the PSR-275/273 will run either from an optional AC adaptor or batteries, Yamaha recommends use of an AC adaptor whenever possible. An AC adaptor is more environmentally friendly than batteries and does not deplete resources.

■ Using an AC Power Adaptor •

① Make sure that the [STANDBY/ON] switch of the PSR-275/273 is set to STANDBY.
② Connect the AC adaptor (PA-3C, PA-3B, or other adaptor specifically recommended by Yamaha) to the DC IN 10-12V jack.
③ Plug the AC adaptor into an AC outlet.
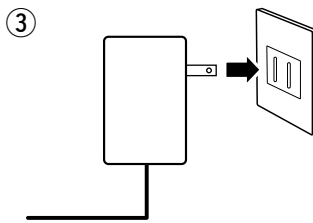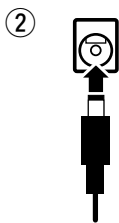
⚠ **WARNING**

• *Use ONLY a Yamaha PA-3C or PA-3B AC Power Adaptor (or other adaptor specifically recommended by Yamaha) to power your instrument from the AC mains. The use of other adaptors may result in irreparable damage to both the adaptor and the PSR-275/273.*

• *Unplug the AC Power Adaptor when not using the PSR-275/273, or during electrical storms.*

■ Using Batteries •

For battery operation the PSR-275/273 requires six 1.5V "D" size, R20P (LR20) or equivalent batteries. When the batteries need to be replaced, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, turn the power off and replace the batteries, as described below

① Open the battery compartment cover located on the instrument's bottom panel.
② Insert the six new batteries, being careful to follow the polarity markings next to the compartment cover.
③ Replace the compartment cover, making sure that it locks firmly in place.
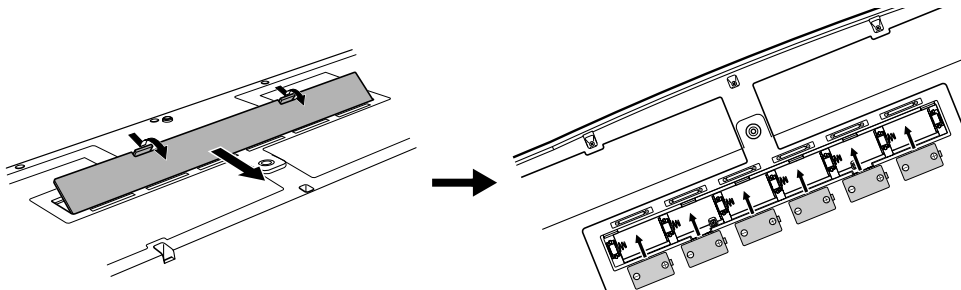
⚠ **CAUTION**

• *When the batteries run down, replace them with a complete set of six new batteries. NEVER mix old and new batteries.*

• *Do not use different kinds of batteries (e.g. alkaline and manganese) at the same time.*

• *If the instrument is not to be in use for a long time, remove the batteries from it, in order to prevent possible fluid leakage from the battery.*

• *The effective life of rechargeable batteries may shorter than that of conventional batteries.*

Turning On the Power

With the AC power adaptor connected or with batteries installed, simply press the power switch until it locks in the ON position. When the instrument is not in use, be sure to turn the power off. (Press the switch again so that it pops up.)

STANDBY
ON
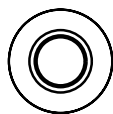
⚠ **CAUTION**

• *Even when the switch is in the "STANDBY" position, electricity is still flowing to the instrument at the minimum level. When you are not using the PSR-275/273 for a long time, make sure you unplug the AC power adaptor from the wall AC outlet, and/or remove the batteries from the instrument.*

Accessory Jacks

■ Using Headphones••••••••••••••••••••••••••••••••••

For private practicing and playing without disturbing others, connect a set of stereo headphones to the rear panel PHONES/OUTPUT jack. Sound from the built-in speaker system is automatically cut off when you insert a headphone plug into this jack.

PHONES/
OUTPUT
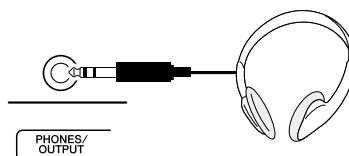
■ Connecting a Keyboard Amplifier or Stereo System •••••••

Though the PSR-275/273 is equipped with a built-in speaker system, you can also play it through an external amplifier/speaker system. First, make sure the PSR-275/273 and any external devices are turned off, then connect one end of a stereo audio cable to the LINE IN or AUX IN jack(s) of the other device and the other end to the rear panel PHONES/OUTPUT jack on the PSR-275/273.

PHONES/
OUTPUT

Stereo System
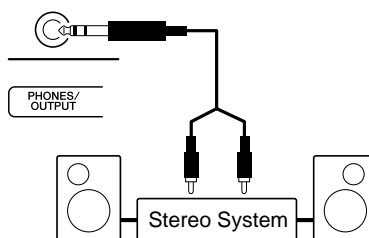
⚠ **CAUTION**

• *To prevent damage to the speakers, set the volume of the external devices at the minimum setting before connecting them. Failure to observe these cautions may result in electric shock or equipment damage. Also, be sure to set the volumes of all devices at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.*

■ Using a Footswitch ••••••••••••••••••••••••••••••••

This feature lets you use an optional footswitch (Yamaha FC4 or FC5) to sustain the sound of the voices. The footswitch functions the same way as a damper pedal on an acoustic piano — press and hold down the footswitch as you play the keyboard to sustain the sound.
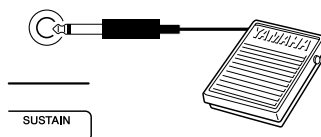
SUSTAIN

NOTE

• *Make sure that the footswitch plug is properly connected to the SUSTAIN jack before turning on the power.*

• *Do not press the footswitch while turning the power on. Doing this changes the recognized polarity of the footswitch, resulting in reversed footswitch operation.*

■ Using the MIDI Terminals •••••••••••••••••••••••••••••

The PSR-275/273 also features MIDI terminals, allowing you to interface the PSR-275/273 with other MIDI instruments and devices. (For more information, see page 55.)

IN — MIDI — OUT

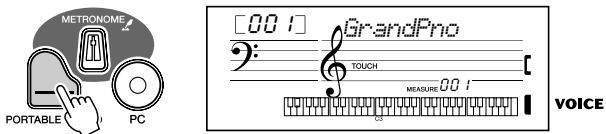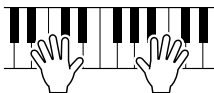MIDI instrument

11

Step 1   Voices
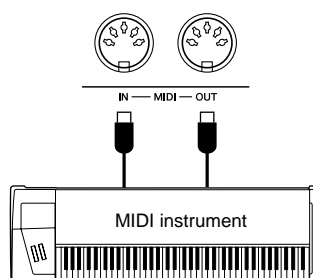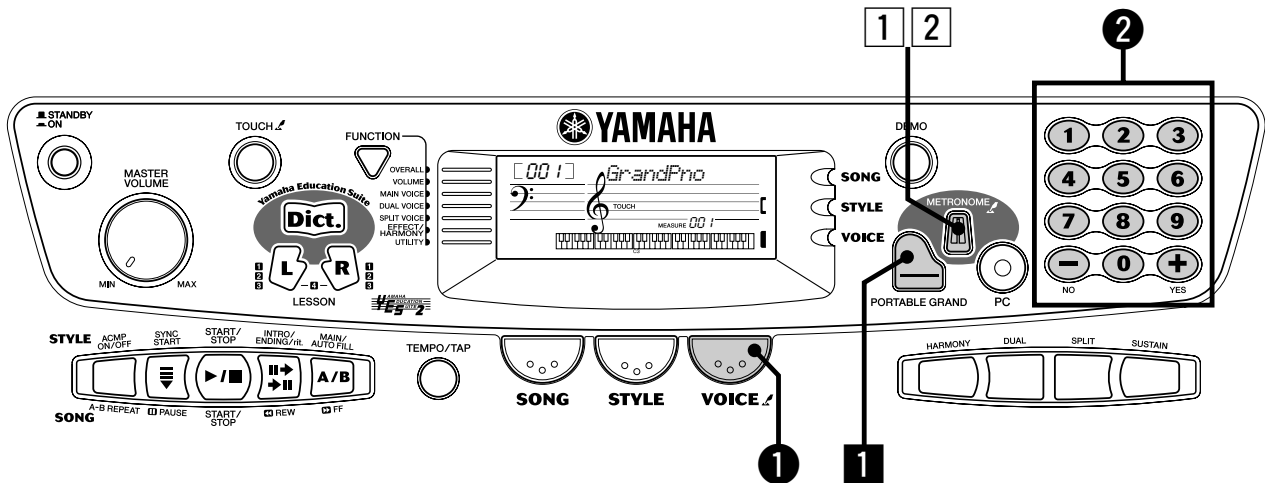
Playing the Piano

Simply by pressing the [PORTABLE GRAND] button, you can automatically select the Grand Piano voice.
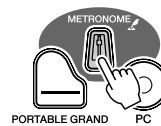
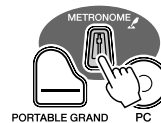**1 Press the [PORTABLE GRAND] button.**

2 Play the keyboard.

Playing along with the Metronome

1 Press the [METRONOME] button.

2 Stop the Metronome.
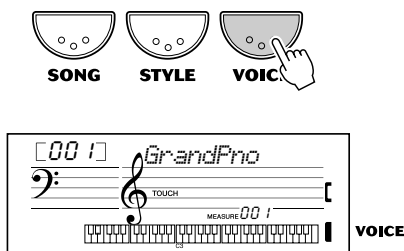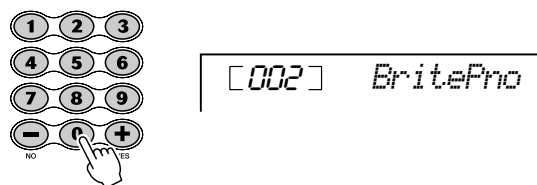
Selecting and Playing Other Voices

The PSR-275/273 has a huge total of 480 dynamic and realistic instrument voices. Let's try a few of them out now...
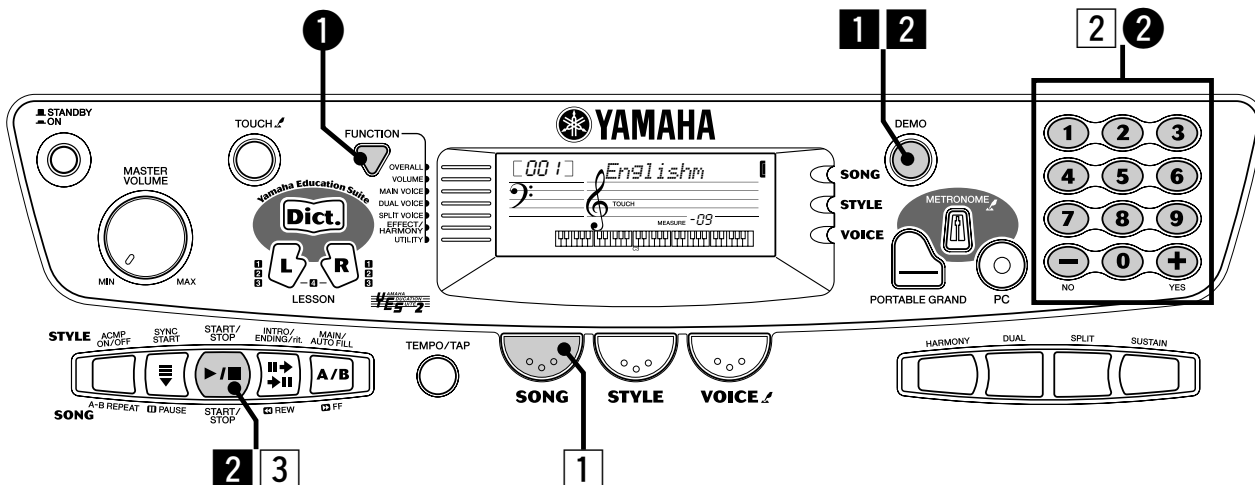
❶ **Press the [VOICE] button.**

SONG   STYLE   VOICE

[001] GrandPno

TOUCH

MEASURE 001

VOICE

❷ **Select a voice.**

1 2 3
4 5 6
7 8 9
− 0 +
NO   YES

[002]   BritePno

❸ **Play the keyboard.**

● **Panel Voice List**

No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name
	PIANO	030	Folk Guitar	061	Vox Humana	090	Sawtooth Lead
001	Grand Piano	031	12Strings Guitar	062	Air Choir	091	Voice Lead
002	Bright Piano	032	Jazz Guitar		**SAXOPHONE**	092	Star Dust
003	Honky-tonk Piano	033	Octave Guitar	063	Soprano Sax	093	Brightness
004	MIDI Grand Piano	034	Clean Guitar	064	Alto Sax	094	Analogon
005	CP 80	035	60's Clean Guitar	065	Tenor Sax	095	Fargo
006	Harpsichord	036	Muted Guitar	066	Breathy Tenor		**SYNTH PAD**
	E.PIANO	037	Overdriven Guitar	067	Baritone Sax	096	Fantasia
007	Galaxy EP	038	Distortion Guitar	068	Oboe	097	Bell Pad
008	Funky Electric Piano		**BASS**	069	English Horn	098	Xenon Pad
009	DX Modern Elec. Piano	039	Acoustic Bass	070	Bassoon	099	Equinox
010	Hyper Tines	040	Finger Bass	071	Clarinet	100	Dark Moon
011	Venus Electric Piano	041	Pick Bass		**TRUMPET**		**PERCUSSION**
012	Clavi	042	Fretless Bass	072	Trumpet	101	Vibraphone
	ORGAN	043	Slap Bass	073	Muted Trumpet	102	Marimba
013	Jazz Organ 1	044	Synth Bass	074	Trombone	103	Xylophone
014	Jazz Organ 2	045	Hi-Q Bass	075	Trombone Section	104	Steel Drums
015	Click Organ	046	Dance Bass	076	French Horn	105	Celesta
016	Bright Organ		**STRINGS**	077	Tuba	106	Tubular Bells
017	Rock Organ	047	String Ensemble		**BRASS**	107	Timpani
018	Purple Organ	048	Chamber Strings	078	Brass Section	108	Music Box
019	16'+2' Organ	049	Synth Strings	079	Big Band Brass		**DRUM KITS**
020	16'+4' Organ	050	Slow Strings	080	Mellow Horns	109	Standard Kit 1
021	Theater Organ	051	Tremolo Strings	081	Synth Brass	110	Standard Kit 2
022	Church Organ	052	Pizzicato Strings	082	Jump Brass	111	Room Kit
023	Chapel Organ	053	Orchestra Hit	083	Techno Brass	112	Rock Kit
024	Reed Organ	054	Violin		**FLUTE**	113	Electronic Kit
	ACCORDION	055	Cello	084	Flute	114	Analog Kit
025	Traditional Accordion	056	Contrabass	085	Piccolo	115	Dance Kit
026	Musette Accordion	057	Banjo	086	Pan Flute	116	Jazz Kit
027	Bandoneon	058	Harp	087	Recorder	117	Brush Kit
028	Harmonica		**CHOIR**	088	Ocarina	118	Symphony Kit
	GUITAR	059	Choir		**SYNTH LEAD**	119	SFX Kit 1
029	Classical Guitar	060	Vocal Ensemble	089	Square Lead	120	SFX Kit 2

* This list includes only a portion of the total available voices.

Playing the Songs

The PSR-275/273 is packed with a total of 100 songs, including one Demo song — which has been specially created to showcase the rich and dynamic sounds of the instrument. There are also 99 additional songs, designed to be used with the educational Lesson feature.

Playing the Demo song

Let's play the Demo song now, Repeating with #001.

1 Start the Demo song.
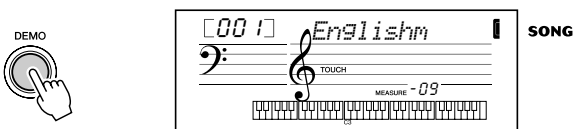
You can also play back songs of other categories. Simply select the appropriate number of the desired song during playback.

2 Stop the Demo song.
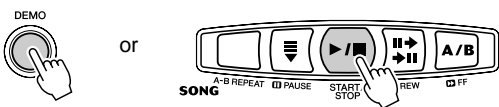
NOTE

• Demo Cancel function that allows you to disable the Demo feature. To use this, simultaneously hold down the [DEMO] button and turn the power on ([STANDBY/ON] button). While the power is on in this condition, pressing the [DEMO] button has no effect. To turn Demo Cancel off, simply turn the power off and back on again normally.

Playing a single song

Naturally, you can also individually select and play back the PSR-275/273's songs.

1 Press the [SONG] button.

2 Select a song.


```
[002]    Mirliton
```
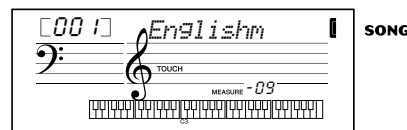
3 Start (and stop) the song.

● **Song List**

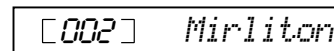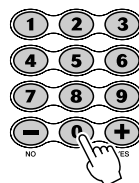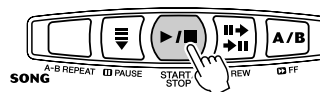| No.	Song Name (Composer)
	DEMO
001	Englishman In New York
	ORCHESTRA
002	Danse Des Mirlitons From "The Nutcracker" (P.I. Tchaikovsky)
003	"Orphée Aux Enfers" Ouverture (J. Offenbach)
004	Slavonic Dances No.10 (A. Dvořák)
005	La Primavera (From Le Quattro Stagioni) (A. Vivaldi)
006	Méditation De Thais (J. Massenet)
007	Guillaume Tell (G. Rossini)
008	Frühlingslied (F. Mendelssohn)
009	Ungarische Tänze Nr.5 (J. Brahms)
	PIANIST
010	Dolly's Dreaming And Awakening (T.Oesten)
011	La Candeur (J.F.Burgmüller)
012	Arabesque (J.F.Burgmüller)
013	Pastorale (J.F.Burgmüller)
014	Petite Réunion (J.F.Burgmüller)
015	Innocence (J.F.Burgmüller)
016	Progrés (J.F.Burgmüller)
017	Tarentelle (J.F.Burgmüller)
018	La Chevaleresque (J.F.Burgmüller)
019	Etude op.10-3 "Chanson De L'adieu" (F.Chopin)
020	Marcia Alla Turca (L.v. Beethoven)
021	Turkish March (W.A. Mozart)
022	Valse op.64-1 "Petit Chien" (F.Chopin)
023	Menuett (L. Boccherini)
024	Nocturne op.9-2 (F. Chopin)
025	Moments Musicaux op.94-3 (F. Schubert)
026	The Entertainer (S. Joplin)
027	Prelude (Wohltemperierte Klavier 1-1) (J.S. Bach)
028	La Viollette (Streabbog)
029	Für Elise (L.v. Beethoven)
	PRACTICE
030	America The Beautiful (S.A. Ward)
031	Londonderry Air*
032	Ring De Banjo (S.C. Foster)
033	Wenn Ich Ein Vöglein Wär ?*
034	Die Lorelei (F. Silcher)
035	Funiculi-Funicula (L. Denza)
036	Turkey In The Straw*
037	Old Folks At Home (S.C. Foster)
038	Jingle Bells (J.S. Pierpont)
039	Muss I Denn (F. Silcher)
040	Liebesträume Nr.3 (F. Liszt)
041	Jesu, Joy Of Man's Desiring (J.S. Bach)
042	Symphonie Nr.9 (L.v. Beethoven)
043	Song Of The Pearl Fisher (G. Bizet)
044	Gavotte (F.J. Gossec)
045	String Quartet No.17 2nd mov. "Serenade" (F.J. Haydn)
046	Menuett (J.S. Bach)
047	Canon (J. Pachelbel)
048	From "The Magic Flute" (W.A Mozart)
049	Piano Sonate op.27-2 "Mondschein" (L.v. Beethoven)
050	"The Surprise" Symphony (F.J. Haydn)
051	To A Wild Rose (E.A. MacDowell)
052	Air de Toréador "Carmen" (G. Bizet)
053	O Mio Babbino Caro (From "Gianni Schicchi") (G. Puccini)

No.	Song Name (Composer)
	DUET
054	Row Row Row Your Boat*
055	On Top Of Old Smoky*
056	We Wish You A Merry Christmas*
057	Scarborough Fair*
058	Im Mai*
059	O Christmas Tree*
060	Mary Had A Little Lamb*
061	Ten Little Indians (Septimus Winner)
062	Pop Goes The Weasel*
063	Twinkle Twinkle Little Star*
064	Close Your Hands, Open Your Hands (J.J. Rousseau)
065	The Cuckoo*
066	O Du Lieber Augustin*
067	London Bridge*
	CHORD LESSON
068	Bill Bailey (Won't You Please Come Home) (H. Cannon)
069	When Irish Eyes Are Smiling (E.R. Ball)
070	Down By The Riverside*
071	When The Saints Go Marchin' In*
072	Frühlingsstimmen (J. Strauss II)
073	Camptown Races (S.C. Foster)
074	Little Brown Jug (Joseph Winner)
075	Loch Lomond*
076	Oh! Susanna (S.C. Foster)
077	Greensleeves*
078	Aura Lee (G. Poulton)
079	Silent Night (F. Gruber)
080	The Danube Waves (I. Ivanovici)
081	Twinkle Twinkle Little Star*
082	Close Your Hands, Open Your Hands (J.J. Rousseau)
083	The Cuckoo*
084	O Du Lieber Augustin*
085	London Bridge*
086	American Patrol (F.W. Meacham)
087	Beautiful Dreamer (S.C. Foster)
088	Battle Hymn Of The Republic*
089	Home Sweet Home (H. Bishop)
090	Valse Des Fleurs (From "The Nutcracker") (P.I. Tchaikovsky)
091	Aloha Oe*
092	I've Been Working On The Railroad*
093	My Darling Clementine*
094	Auld Lang Syne*
095	Grandfather's Clock (H.C. Work)
096	Amazing Grace*
097	My Bonnie (H.J Fulmer)
098	Yankee Doodle*
099	Joy To The World (G.F. Händel)
100	Ave Maria (F.Schubert)

* indicates that is traditional song.

Changing the volume of the song

This lets you adjust the volume balance between the song and your keyboard performance.

❶ **Press the [FUNCTION] button, until SongVol is indicated in the display.**

FUNCTION

VOLUME

[100] SongVol
TOUCH
MEASURE -09
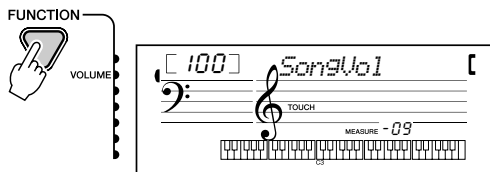
❷ **Use the [+]/[–] buttons to adjust the song volume.**
You can also use the numeric keypad to directly enter the value.

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
– ○ +
NO   YES

[120] SongVol
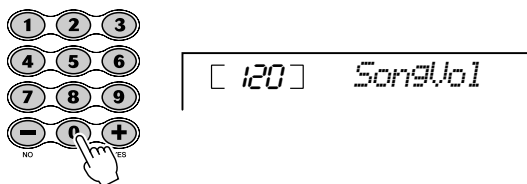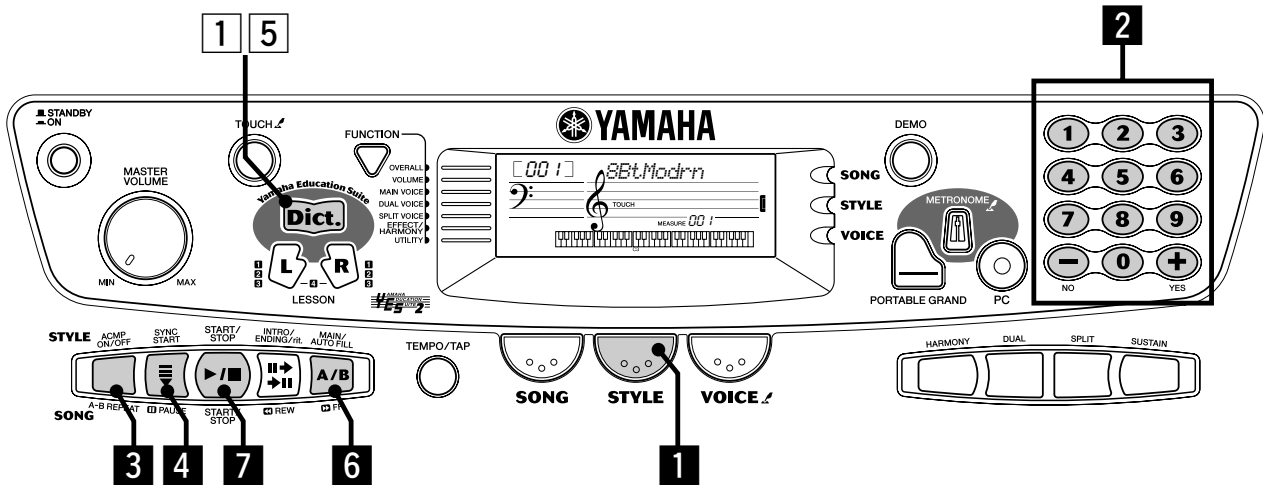
Using the Style

The powerful yet easy-to-use Style features give you professional instrumental backing for your performances. Simply play chords with your left hand — and the PSR-275/273 automatically produces appropriate bass, chord and rhythm backing. Use your right hand to play melodies, and you'll sound like an entire band!

Accompaniment area

Left hand **+** **Right hand**

Auto accompaniment
(for example,
bass + guitar + drums)

Melody
(for example,
piano)

NOTE

• For more infomation on playing proper chords for the auto accompaniment, see "Using Auto Accompaniment — Multi Fingering" on page 40 and "Dictionary" on page 42.

1 Press the [STYLE] button.

SONG STYLE VOICE

[001] 8BtModrn

TOUCH MEASURE 001 STYLE

2 Select a style.

[002] 60sGtPop

3 Turn the auto accompaniment on.

STYLE ACMP ON/OFF SYNC START START/STOP INTRO/ENDING/rit. MAIN/AUTO FILL A/B
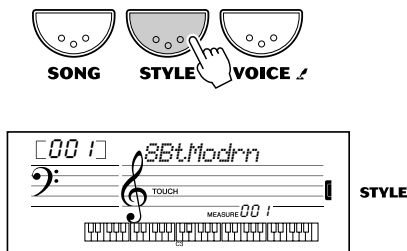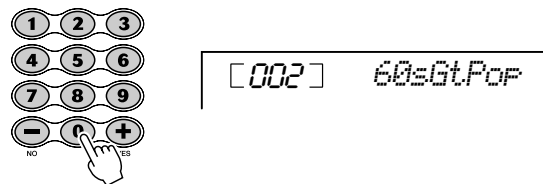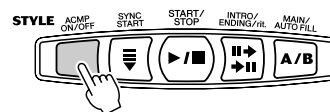
Looking up Chords in the Dictionary

The convenient Dictionary function teaches you how to play chords by showing you the individual notes. In the example below, we'll learn how to play a GM7 chord...

Keys for entering the chord (C1 — B2)　　Keys for entering the chord type (C3 — B4)　　Keys for entering the chord root (C5 — B5)
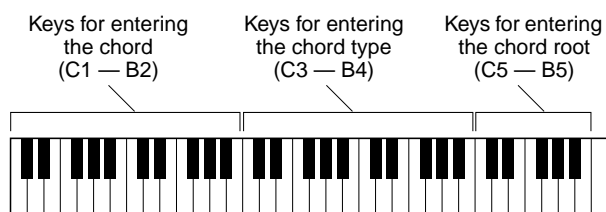
Learning how to play a specific chord

Example:

G M7
Root note　Chord type

1 **Press the [Dict.] button.**

Dict.
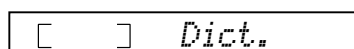
2 **Specify the root note of the chord (in this case, G).**

CHORD ROOT
C　　G
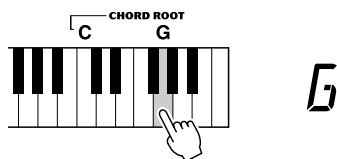
3 **Specify the chord type of the chord (in this case, M7).**

CHORD TYPE —M　M7
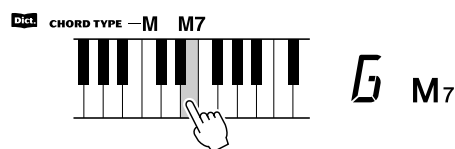
4 **Play the notes of the chord as indicated in the keyboard diagram in the display. The chord name flashes when the chord is played properly.**
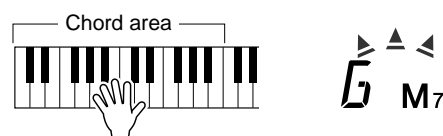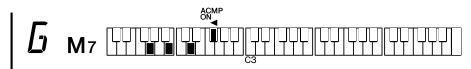
ACMP ON

Chord area

5 **To leave the Dictionary function, press the [Dict.] button again.**

4 **Turn the Sync Start function on.**

STYLE　ACMP ON/OFF　SYNC START　START/STOP　INTRO/ENDING/rit.　MAIN/AUTO FILL
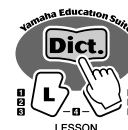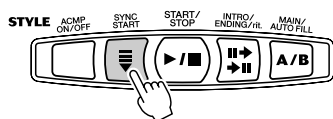
5 **Play a chord with your left hand.**
The style starts as soon as you play the keyboard. For more on chords, see "Looking up Chords in the Dictionary" above.

Accompaniment area
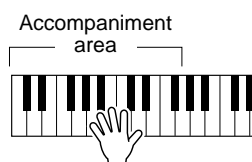
6 **Select a section.**
The auto accompaniment has four sections: Intro, Main A/B, and Ending.
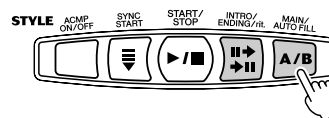
STYLE　ACMP ON/OFF　SYNC START　START/STOP　INTRO/ENDING/rit.　MAIN/AUTO FILL

7 **Stop the style.**

STYLE　ACMP ON/OFF　SYNC START　START/STOP　INTRO/ENDING/rit.　MAIN/AUTO FILL
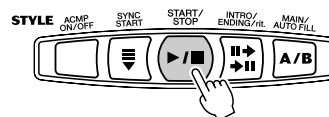
Adjusting the Volume

Turn the [MASTER VOLUME] dial.

Decreases the overall volume.

Increases the overall volume.
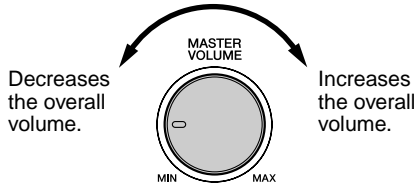
Name and Number indication (Song/Style /Voice)

Currently selected name and number (Song, Style or Voice) appear here.

For example, when song is selected:

Song number   Song name
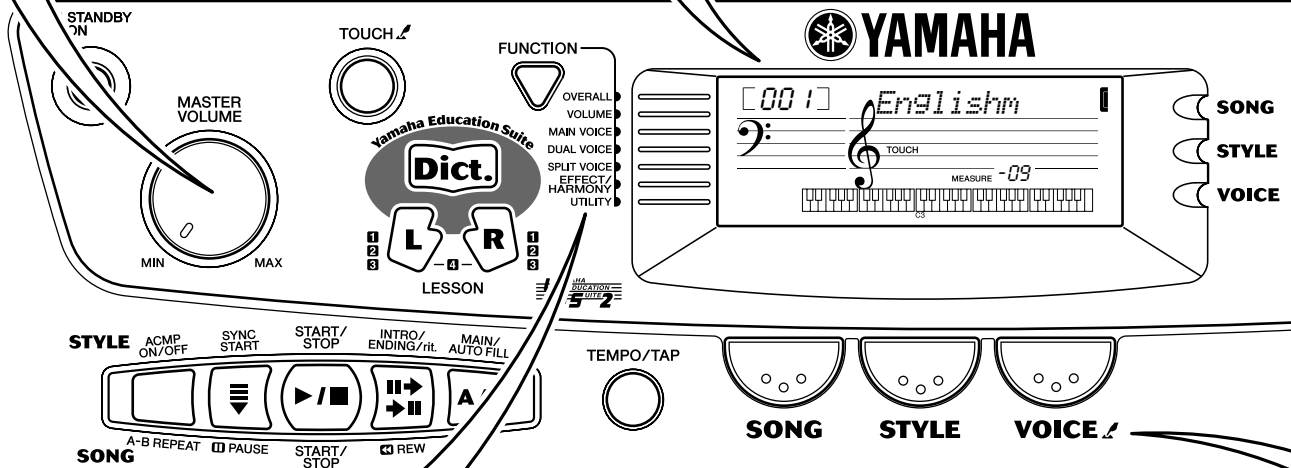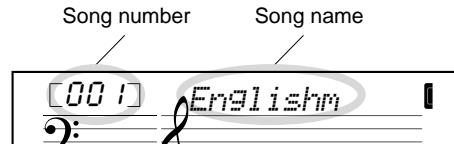
Function settings and indications

This button lets you call up the various function settings.

FUNCTION
OVERALL .... See page 60
VOLUME .... See page 60
MAIN VOICE .... See page 23, 60
DUAL VOICE .... See page 25, 60
SPLIT VOICE .... See page 26, 60
EFFECT/HARMONY .... See page 29, 60
UTILITY .... See page 60

Note that the function bar in the LCD indicates the function category (Overall, Volume, etc.) when you select each function, and the currently selected function name and value appears in the LCD.

For example, when Transpose is selected:

Function bar   Value   Function name
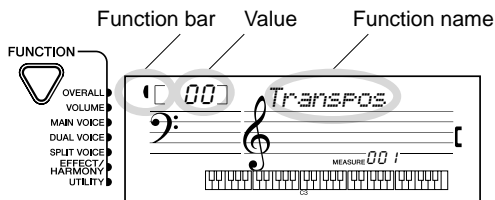
Setting values

● Use the numeric [0]-[9] buttons or [+]/[–] buttons.
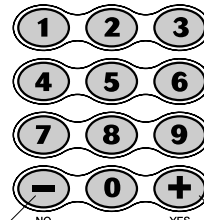
Decreases the number by one step.

Increases the number by one step.

To continuously change the number up or down, press and hold the appropriate [+]/[–] button.
To input a negative value, simultaneously hold the [–] button and enter the number.

18

Entering one of the modes (Song, Style or Voice)

● Pressing one of the buttons below calls up the appropriate mode — Song, Style or Voice, and the bar in the display indicates the currently selected mode.

SONG   STYLE   VOICE

SONG — **Song**
Select the desired song.

STYLE — **Style**
Select the desired style.

VOICE — **Voice**
Select the desired voice.
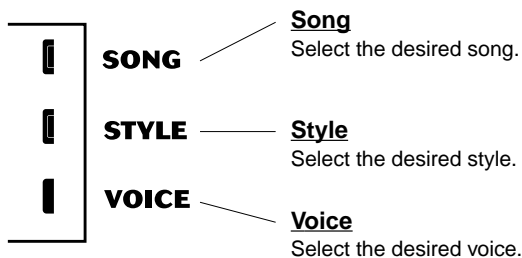
● The following indications appear when you press the [VOICE] button in the Song or Style mode.

For selecting a voice in the Song mode.

SONG
STYLE
VOICE

For selecting a voice in the Style mode.

SONG
STYLE
VOICE

[PRESS AND HOLD FOR A WHILE] indication

Buttons having this indication can be used to call up an alternate function when the relevant button is pressed and held.

Hold down this button until the function name appears in the display.
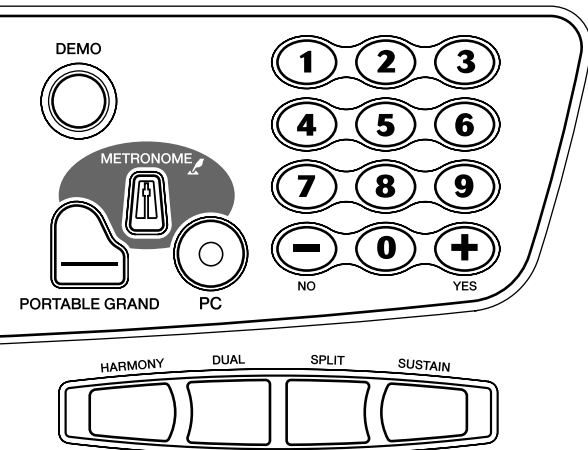
Entering numbers

● Use the [+]/[–] buttons when you want to change the number in single steps.

7 8 9
– 0 +
NO   YES

Decreases the number by one step.

Increases the number by one step.
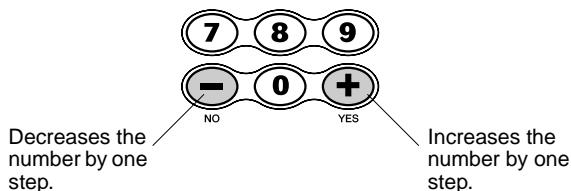
To continuously change the number up or down, press and hold the appropriate [+]/[–] button.

● To directly enter the desired number, use numeric buttons [0]-[9].

Ex. Voice number 109: Standard Kit 1

[109]   Std.Kit1

Press the numeric buttons [1], [0], [9] in order.

Music Rest

Insert the bottom edge of the included music rest into the slot located at the top rear of the PSR-275/273 control panel.
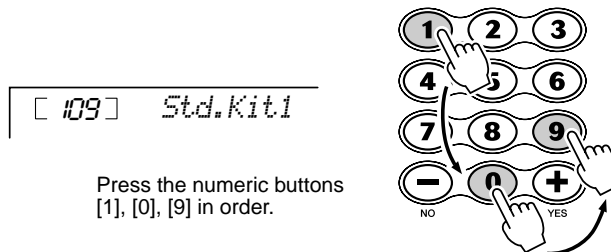
NOTE

• If the first digit or first two digits of the number are "0," (ex., 074 or 005), pressing the [0] button is unnecessary. However, pressing the [0] button is necessary if "0" is part of the number (ex., 105).
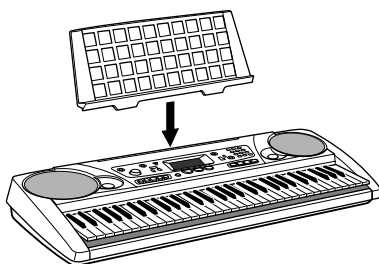
Basic Operation and LCD Display

NOTATION

Normally, these indicate which keys or notes are played, or which keys to play when using the Dictionary function.
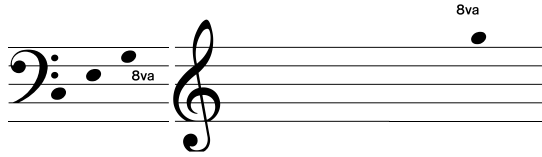
NOTE

- *Any notes occurring below or above the staff are indicated by "8va" in the notation.*
- *In certain cases, a note may not be fully shown in the display.*

MEASURE number

Indicates the current measure number of the song or style.

MEASURE *003*

BEAT

Indicates the beat when a song or style is playing.

Accompaniment On (ACMP ON)

Indicates when accompaniment is on.

ACMP ON ◀

KEYBOARD

Indicates notes being played currently. Also indicates the notes of a chord — either when playing a chord or when using the Dictionary function.

---

[001] *GrandPno*

DUAL HARMONY
SPLIT SUSTAIN
TOUCH

ACMP ON ◀   MEASURE *003*

C3
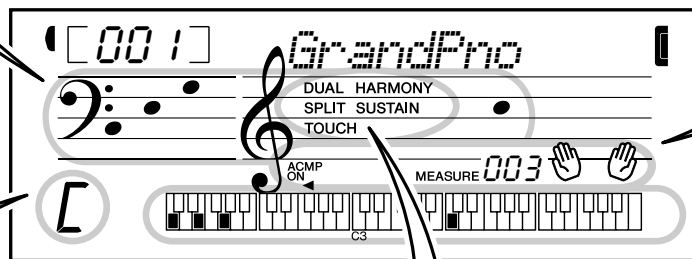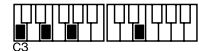
CHORD

Indicates the chord name when playing in the song or style mode.

DUAL

Indicates that the Dual Voice feature is turned on.

DUAL

HARMONY

Indicates that the Harmony feature is turned on.

HARMONY

SPLIT

Indicates that the Split feature is turned on.

SPLIT

SUSTAIN

Indicates that Sustain is turned on.

SUSTAIN

TOUCH

Indicates that Touch is turned on.

TOUCH

Portable Grand

This convenient function lets you instantly call up the Grand Piano voice.

Playing the Portable Grand

Press the [PORTABLE GRAND] button.
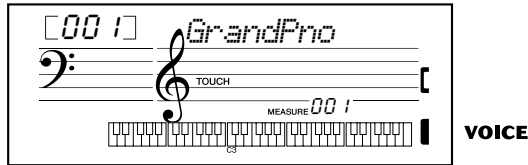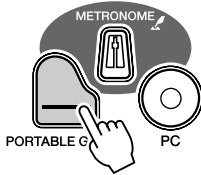
Doing this automatically selects the special "Stereo Sampled Piano" Grand Piano voice.

Using the Metronome

1 Call up the Tempo setting.
Press the [TEMPO/TAP] button.
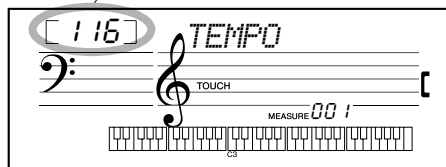
Current Tempo value

2 Change the value.
Use the numeric keypad to set the desired Tempo value, or use the [+]/[−] buttons to increase or decrease the value.
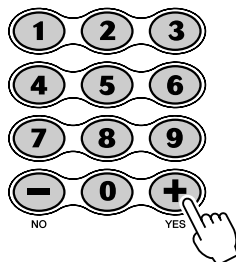
Restoring the Default Tempo Value

Each song and style has been given a default or standard Tempo setting. If you've changed the Tempo, you can instantly restore the default setting by pressing both [+]/[−] buttons simultaneously (when Tempo is selected).

3 Turn on the Metronome.

Press the [METRONOME] button.

The beat number is indicated as follows (for a time signature of 4/4):
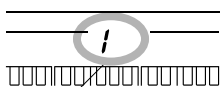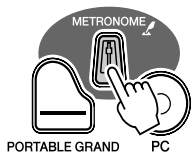
Indicates the beat number in the measure.
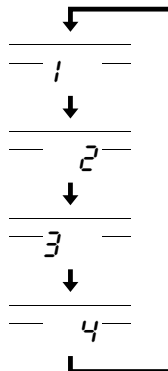
To turn the Metronome off, press the [METRONOME] button again.

Setting the Metronome Time Signature

The time signature of the Metronome can be set to various quarter-note based meters.

The Time Signature also can be set in the Function mode (page 60).

Press and hold the [METRONOME] button (until "TimeSig" appears in the display), then press the button on the numeric keypad or [+]/[–]buttons that corresponds to the desired time signature (see chart right).

NOTE

• *The time signature changes automatically when a style or song is selected.*

Numeric keypad	Time signature
01	1/4 — Plays only "1" beats (all high clicks)
02	2/4
03	3/4
04	4/4
:	:
15	15/4
0	Plays no "1" beats (all low clicks)
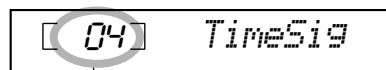
Indicates current beat number.

Adjusting the Metronome Volume

You can adjust the volume of the Metronome sound in the *Function mode (page 60)*. The volume range is 000 - 127.

Playing Voices

The PSR-275/273 features a total of 480 authentic voices — all of which have been created with Yamaha's sophisticated AWM (Advanced Wave Memory) tone generation system. These include 360 XG Lite voices and drum kits.

The PSR-275/273 also has a Dual Voice or Split Voice function that lets you combine two different voices in a layer, or play from separate areas of the keyboard, play the two together across the keyboard.

Playing a Voice

1 Press the [VOICE] button.

Voice number and name
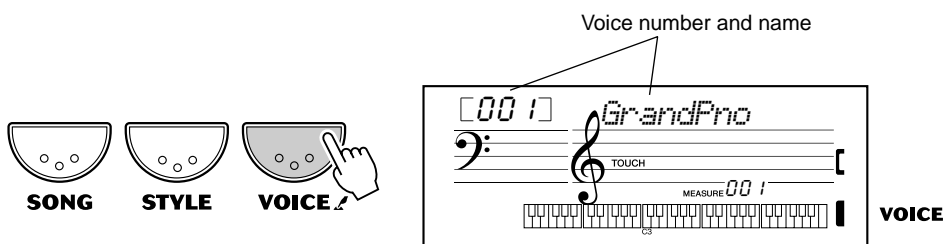
2 Select the desired voice number.

The categories of each voice and their numbers are shown on the panel. A complete voice list of the available voices is given on page 61.

VOICE

001~006 PIANO	**059~062** CHOIR	**101~108** PERCUSSION
007~012 E. PIANO	**063~071** SAXOPHONE	**109~120** DRUM KITS
013~024 ORGAN	**072~077** TRUMPET	**121~480** XGLite
025~028 ACCORDION	**078~083** BRASS	**000** OTS
029~038 GUITAR	**084~088** FLUTE	
039~046 BASS	**089~095** SYNTH LEAD	
047~058 STRINGS	**096~100** SYNTH PAD	

NOTE

• Selecting the #000 OTS voice calls up a convenient feature — automatically selecting an appropriate voice to best match the current style or song.

3 Play the selected voice.

Since either the Style or Song mode is active in the background, you can also play styles or songs, respectively, in the Voice mode by simply pressing the [START/STOP] button. The last selected style, or song will be played.

The following parameteres can be set in the Function mode (page 60).

CATEGORY	SELECT
Main Voice	Volume
	Octave
	Reverb Send Level
	Chorus Send Level

Drum Kit Voice List (voices 109-120)

When one of the 12 Drum Kit voices is selected, you can play different drum and percussion instrument sounds from the keyboard.

NOTE

• *For more details, see page 66.*

No.	Name	LCD
109	Standard Kit 1	Std.Kit1
110	Standard Kit 2	Std.Kit2
111	Room Kit	Room Kit
112	Rock Kit	Rock Kit
113	Electronic Kit	Elct.Kit
114	Analog Kit	AnlogKit
115	Dance Kit	DanceKit
116	Jazz Kit	Jazz Kit
117	Brush Kit	BrushKit
118	Symphony Kit	SymphKit
119	SFX Kit 1	SFX Kit1
120	SFX Kit 2	SFX Kit2

● **For example, when 109 "Standard Kit 1" is selected:**

#000 OTS

This special "voice" is actually a convenient feature which automatically selects a suitable voice for you when you select a style or a song. The voice is selected to best match the style or song you've called up.

Select voice #000 (OTS).

#000 OTS is selected.

```
 000    GrandPno
```
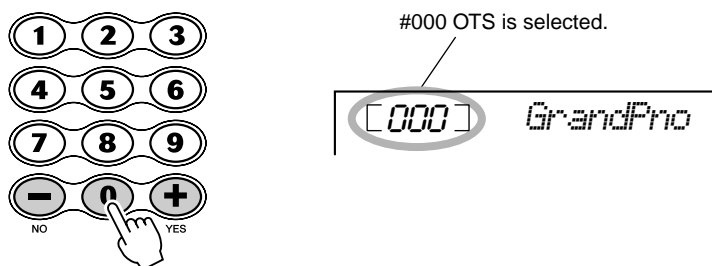
Dual Voice

The Dual Voice function lets you combine two different voices in a layer — one the Main voice, which is selected normally, and the other the Dual voice, which is selected in the *Function mode (page 60)*. You can also set various parameters independently for these voices, such as giving them separate volume, octave, Reverb, and Chorus settings. This lets you create an optimum mix for the voices, and enhance the way they blend together.

The following parameters can be set in the Function mode (page 60).

CATEGORY	SELECT
Dual Voice	Voice
	Volume
	Octave
	Reverb Send Level
	Chorus Send Level

To turn the Dual Voice on or off, press the [DUAL] button.

Indicates Dual Voice is on.

HARMONY   DUAL   SPLIT   SUSTAIN

```
 001    GrandPno
              DUAL
              TOUCH
          MEASURE 001
```
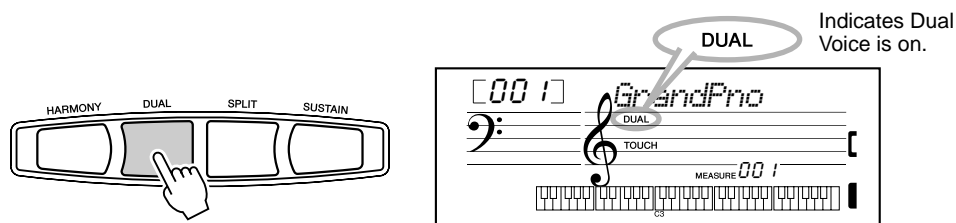
Split Voice

The Split Voice function lets you assign two different Voices to opposite areas of the keyboard, and play one Voice with your left hand while your right plays another.

For example, you could play bass with the left hand and play piano with the right. The right-hand (or upper) Voice is selected in the Main Voice mode (page 23), and the left-hand (or lower) Voice is selected in the *Function mode (page 60)*, along with the other Split Voice parameters shown below.

The following parameters can be set in the Function mode (page 60).

CATEGORY	SELECT
Split Voice	Voice
	Volume
	Octave
	Reverb Send Level
	Chorus Send Level

To turn the Split Voice on or off, press the [SPLIT] button.

Indicates Split Voice is on.
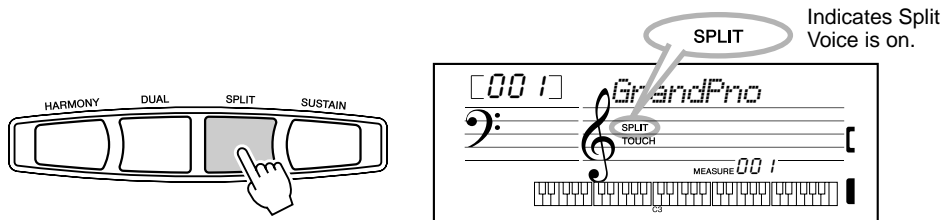
Setting the Split Point

The Split Point determines the highest key for the split voice and sets the split point.
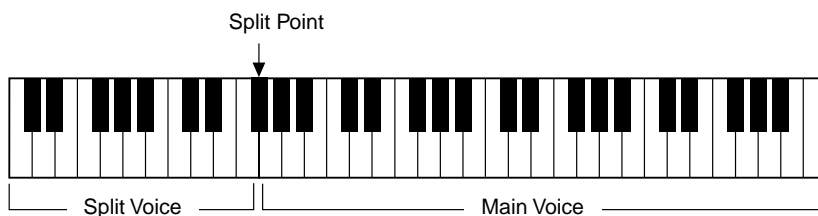
NOTE

- *This setting also affects the split point for the accompaniment area.*

Split Point

Split Voice   Main Voice

Split Point can be set in the Function mode (page 60).

26

Touch and Touch Sensitivity

The PSR-275/273 features a Touch Response function that gives you dynamic, expressive control over the volume of the voices. The Touch Sensitivity parameter lets you set the degree of Touch Response.

1 Turn the Touch function on or off as desired by pressing the [TOUCH] button.

Indicates Touch function is on.
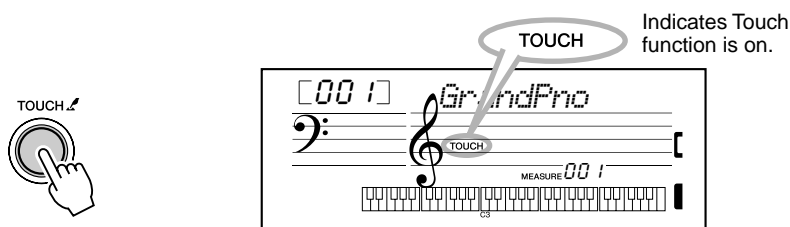
2 Changing the Touch Sensitivity Value.

Press and hold down the [TOUCH] button, then press the appropriate numbered button on the numeric keypad: 1, 2, 3, or [+]/[–].
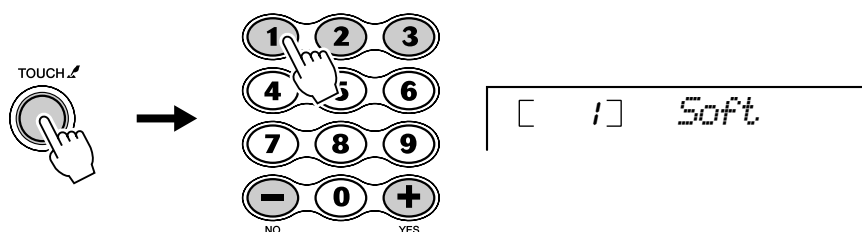
[*1*]   Soft

Sensitivity can also be set in the Function mode (page 60).

● **Settings:**

1 (Soft)	This results in limited touch response, and produces a relatively narrow dynamic range, no matter how lightly or strongly you play the keys.
2 (Medium)	This lets you play over a normal dynamic range (soft to loud).
3 (Hard)	This is designed for playing very soft passages, giving you slightly more detailed control in the soft volume range.

When Touch is turned off, a constant volume (corresponding to a velocity value of 80) is produced.

Restoring the Default Touch Sensitivity Value

The default Touch Sensitivity is 2 (Medium). To restore the default value, press both [+]/[–] buttons simultaneously (when Touch Sensitivity is selected).

Transpose and Tuning

You can also adjust the tuning and change the transposition (key) of the entire PSR-275/273 sound with the Transpose and Tuning functions.

■ Transpose •••

Transpose determines the key of both the main voice and the bass/chord accompaniment. It also determines the pitch of the songs. This allows you to easily match the pitch of the PSR-275/273 to other instruments or singers, or play in a different key without changing your fingering. The Transpose settings can be adjusted over a range of ± 12 semitones (± 1 octave).

Transpose can be set in the Function mode (page 60).

NOTE
• *The Transpose function has no effect on the Drum Kits voices (#109 - #120).*

■ Tuning ••

Tuning determines the fine pitch setting of both the main voice and the bass/chord accompaniment. It also determines the pitch of the songs. This allows you to accurately match the tuning with that of other instruments. The Tuning settings can be adjusted over a range of ± 100 (approx. ± 1 semitone).

Tuning can be set in the Function mode (page 60).

NOTE
• *The Tuning settings have no effect on the Drum Kit voices (#109 - #120).*

Effects

The PSR-275/273 is equipped with a wide variety of effects that can be used to enhance the sound of the voices. The PSR-275/273 has three separate effect systems — Harmony, Reverb and Chorus — and each has many different effect types to choose from.

Harmony

The Harmony section features a variety of performance effects that enhance the melodies you play when using the accompaniment styles of the PSR-275/273. A total of twenty-six Harmony types are available. (See page 31.)

Tremolo, Trill and Echo effects can be used even if accompaniment is off. There are five different Harmony Types that automatically create harmony parts (for notes played in the upper area of the keyboard) to match the accompaniment chords.

IMPORTANT

- *For the first five Harmony Types (Duet, Trio, Block, Country, and Octave), chords must be played in the Accompaniment area of the keyboard. The Harmony voice(s) change in pitch to best match the chords you play.*

- *The speed of the Trill, Tremolo, and Echo effects depends on the Tempo setting (page 31).*

Turn on/off the Harmony effect.
Press the [HARMONY] button.

NOTE

- *Each voice of the PSR-275/273 has its own independent Harmony setting.*

Indicates Harmony effect is on.

Harmony type and Harmony Volume (when Harmony Type 1 - 5 is selected) can be set in the Function mode (page 60).

Reverb

The Reverb effect reproduces the natural ambient "wash" of sound that occurs when a instrument is played in a room or concert hall. A total of nine different Reverb types simulating various different performance environments are available. (See page 32.)

The following parameters can be set in the Function mode (pages 60).

CATEGORY	SELECT
Effect	Reverb Type
Main Voice	Reverb Send Level
Dual Voice	Reverb Send Level
Split Voice	Reverb Send Level

NOTE

- *Nine additional Reverb Types are available when controlling the PSR-275/273 from a MIDI device. (For details, See page 69.)*

- *Each style of the PSR-275/273 has its own independent Reverb setting.*

Chorus

The Chorus effect lets you enhance the sound of the voices with the use of pitch modulation. Two basic types are provided: Chorus and Flanger. Chorus produces a thicker, warmer, and more animated sound, whereas Flanger creates a swirling, metallic effect. A total of four Chorus types are available. (See page 32.)

The following parameters can be set in the Function mode (pages 60).

CATEGORY	SELECT
Effect	Chorus Type
Main Voice	Chorus Send Level
Dual Voice	Chorus Send Level
Split Voice	Chorus Send Level

Sustain

The Sustain effect automatically adds a slow, natural decay to the voice sound when the keys are released.

Turn on/off the Sustain effect.
Press the [SUSTAIN] button.

Indicates Sustain effect is on.
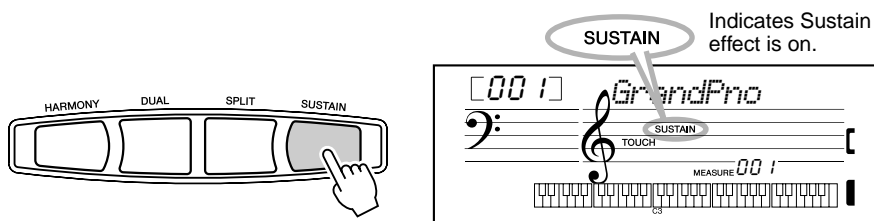
■ Effect Types

● Harmony Types

No.	Harmony Type	Display Name		Description
1	Duet	Duet		Harmony types 1 - 5 are pitch-based and add one-, two- or three-note harmonies to the single-note melody played in the right hand. These types only sound when chords are played in the auto accompaniment area of the keyboard.
2	Trio	Trio		
3	Block	Block		
4	Country	Country		
5	Octave	Octave		
6	Trill 1/4 note	Tril1/4	♩	Types 6 - 26 are rhythm-based effects and add embellishments or delayed repeats in time with the auto accompaniment. These types sound whether the auto accompaniment is on or not; however, the actual speed of the effect depends on the Tempo setting (page 38). The individual note values in each type let you synchronize the effect precisely to the rhythm. Triplet settings are also available: 1/6 = quarter-note triplets, 1/12 = eighth-note triplets, 1/24 = sixteenth-note triplets.
7	Trill 1/6 note	Tril1/6	♩♩♩ (3)	
8	Trill 1/8 note	Tril1/8	♪	
9	Trill 1/12 note	Tril1/12	♪♪♪ (3)	• The Trill effect Types (6 - 12) create two-note trills (alternating notes) when two notes are held.
10	Trill 1/16 note	Tril1/16	♪	
11	Trill 1/24 note	Tril1/24	♪♪♪ (3)	• The Tremolo effect Types (13 - 19) repeat all held notes (up to four).
12	Trill 1/32 note	Tril1/32	♪	• The Echo effect Types (20 - 26) create delayed repeats of each note played.
13	Tremolo 1/4 note	Trem1/4	♩	
14	Tremolo 1/6 note	Trem1/6	♩♩♩ (3)	
15	Tremolo 1/8 note	Trem1/8	♪	
16	Tremolo 1/12 note	Trem1/12	♪♪♪ (3)	
17	Tremolo 1/16 note	Trem1/16	♪	
18	Tremolo 1/24 note	Trem1/24	♪♪♪ (3)	
19	Tremolo 1/32 note	Trem1/32	♪	
20	Echo 1/4 note	Echo1/4	♩	
21	Echo 1/6 note	Echo1/6	♩♩♩ (3)	
22	Echo 1/8 note	Echo1/8	♪	
23	Echo 1/12 note	Echo1/12	♪♪♪ (3)	
24	Echo 1/16 note	Echo1/16	♪	
25	Echo 1/24 note	Echo1/24	♪♪♪ (3)	
26	Echo 1/32 note	Echo1/32	♪	

Effects

● Reverb Types

No.	Reverb Type	Display Name	Description
1	Hall 1	Hall1	Concert hall reverb.
2	Hall 2	Hall2	
3	Hall 3	Hall3	
4	Room 1	Room1	Small room reverb.
5	Room 2	Room2	
6	Stage 1	Stage1	Reverb for solo instruments.
7	Stage 2	Stage2	
8	Plate 1	Plate1	Simulated steel plate reverb.
9	Plate 2	Plate2	
10	Off	Off	No effect.

● Chorus Types

No.	Chorus Type	Display Name	Description
1	Chorus 1	Chorus1	Conventional chorus program with rich, warm chorusing.
2	Chorus 2	Chorus2	
3	Flanger 1	Flanger1	Pronounced three-phase modulation with a slight metallic sound.
4	Flanger 2	Flanger2	
5	Off	Off	No effect.

Selecting and Playing Styles

The PSR-275/273 provides dynamic rhythm/accompaniment patterns (styles) — as well as voice settings appropriate for each style — for various popular musical categories.

A total of 100 different styles are available, in several different categories. Each style is made up of separate "sections" — Intro, Main A and B, and Ending — letting you call up different accompaniment sections as you perform.

The auto accompaniment features that are built into the rhythms add the excitement of instrumental backing to your performance, letting you control the accompaniment by the chords you play. Auto accompaniment effectively splits the keyboard into two areas: The upper is used for playing a melody line, and the lower (set by default to keys F♯2 and lower) is for the auto accompaniment function.

The PSR-275/273 also features the convenient Dictionary function (page 42). Dictionary provides you with a built-in "chord encyclopedia" that teaches you how to play any chord you specify by showing you the appropriate notes in the display.

Selecting a Style

1 Press the [STYLE] button.

Style number and name
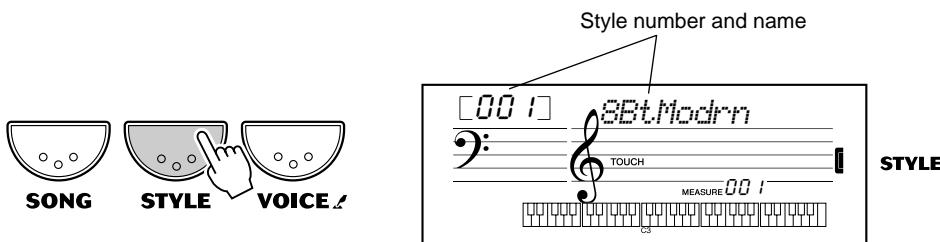
2 Select the desired style number.

The categories of each styles and their numbers are shown on the panel. A complete style list of the available styles is given on page 65.

STYLE

001~010	8BEAT	055~058	COUNTRY
011~016	16BEAT	059~066	LATIN
017~023	BALLAD	067~077	BALLROOM
024~035	DANCE	078~087	TRADITIONAL
036~039	DISCO	088~092	WALTZ
040~047	SWING & JAZZ	093~100	PIANIST
048~054	R & B		

■ Use the numeric keypad.

Style numbers can be selected in the same way as with the voices (page 19). You can use the numeric keypad to directly enter the style number, or use the [+]/[−] buttons to step up and down through the styles.

NOTE

• *Rhythm sounds and fill-in sections are not available when one of the Pianist styles (#93 - #100) are selected.*
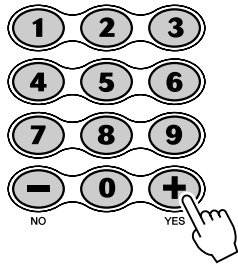
Playing the Styles

The panel buttons below function as style controls.

Pressing this button alternately enables and cancels the bass and chord accompaniment. (See below.)

Pressing this button alternately enables and cancels the Sync Start function. (See page 35.)

Pressing this button switches between the Main A and Main B sections, automatically adding a fill-in pattern before changing the section. (See page 39.)

STYLE   ACMP ON/OFF   SYNC START   START/STOP   INTRO/ENDING/rit.   MAIN/AUTO FILL

Pressing this button alternately starts and stops style playback.

This controls the Intro, Ending and Ritardand sections. (See pages 36, 37.)

1 Turn on the auto accompaniment.

Press the [ACMP ON/OFF] button to turn on (enable) the auto accompaniment.

STYLE   ACMP ON/OFF   SYNC START   START/STOP   INTRO/ENDING/rit.   MAIN/AUTO FILL

[001] 8BtModrn
TOUCH
ACMP ON   MEASURE 001

ACMP ON ◀   Indicates that auto accompaniment is on.
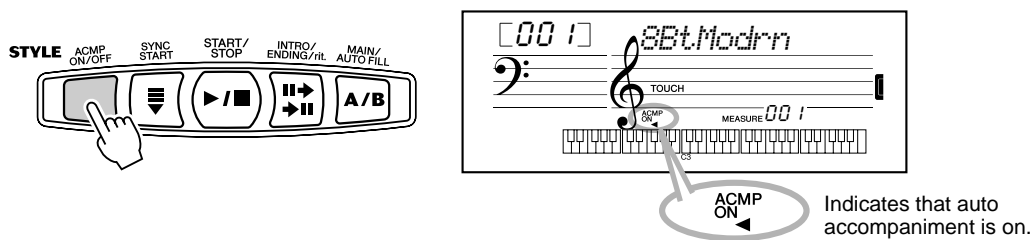
2 Start the style.

You can do this in one of the following ways:

■ Pressing the [START/STOP] button

The rhythm starts playing immediately without bass and chord accompaniment. The currently selected Main A or B section will play.
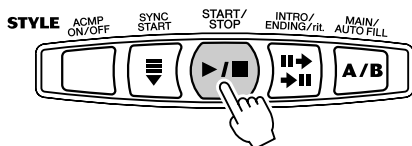
You can select the Main A or B section by pressing the appropriate button — [MAIN A/B] — before pressing the [START/STOP] button. (The display shows the letter of the selected section: "MAIN A" or "MAIN B.")

Indicates selected section (Main A or B).

MAIN A
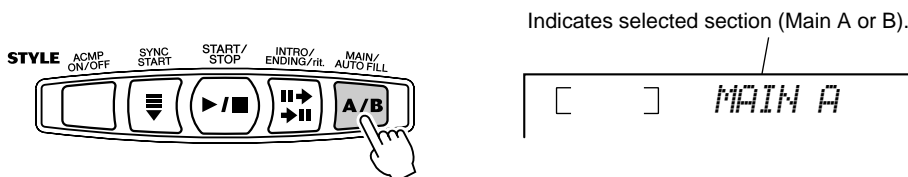
■ Using Tap Tempo to Start

This useful feature lets you tap out the speed (tempo) of the style and automatically start the style at that tapped speed.

TEMPO/TAP

Simply tap the [TEMPO/TAP] button four times (or three times for a 3/4 time style), and the style starts automatically at the tempo you tapped. You can also change the tempo while the style is playing by tapping the [TEMPO/TAP] button twice at the desired tempo.

■ Using Sync Start

The PSR-275/273 also has a Sync Start function that allows you to start the style by simply pressing a key on the keyboard. To use Sync Start, first press the [SYNC START] button (the beat mark flashes to indicate Sync Start stand-by), then press any key on the keyboard. (When auto accompaniment is on, play a key or chord in the auto accompaniment area of the keyboard.)
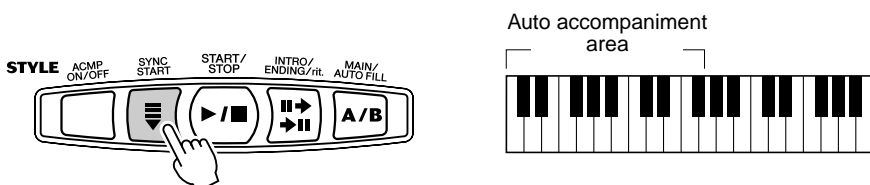
Auto accompaniment area

Starting with an Intro section

Each style has its own two- or four-measure Intro section. When used with the auto accompaniment, many of the Intro sections also include special chord changes and embellishments to enhance your performance.

To start with an Intro section:

1) Press the [MAIN/AUTO FILL] button — to select which section (A or B) is to follow the Intro.

Indicates selected section (Main A or B).

MAIN A

2) Press the [INTRO/ENDING/rit.] button.

Indicates Intro standby.
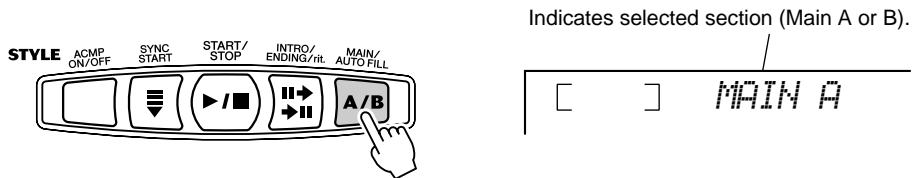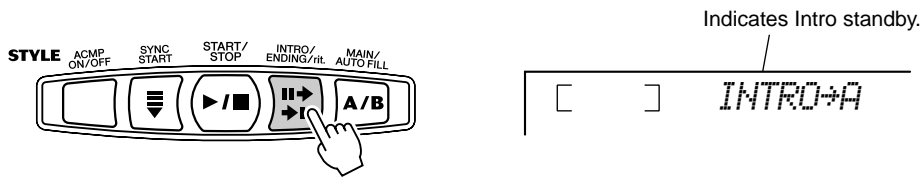
INTRO→A

To actually start the Intro section, press the [START/STOP] button.

Using Sync Start with an Intro section

You can also use the Sync Start function with the special Intro section of the selected style.

To use Sync Start with an Intro section:

1) Press the [MAIN/AUTO FILL] button — to select which section (A or B) is to follow the Intro.

Indicates selected section (Main A or B).

MAIN A

2) Press the [INTRO/ENDING/rit.] button.

Indicates Intro standby.
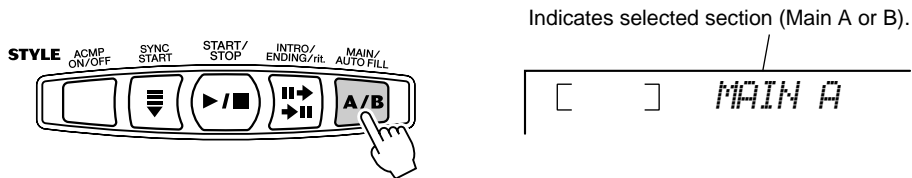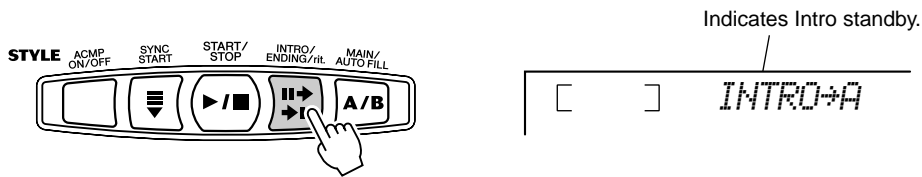
INTRO→A

3) Press the [SYNC START] button to enable Sync Start, and start the Intro section and accompaniment by playing any key on the keyboard. (When auto accompaniment is on, play a key or chord in the auto accompaniment area of the keyboard.)

Auto accompaniment area
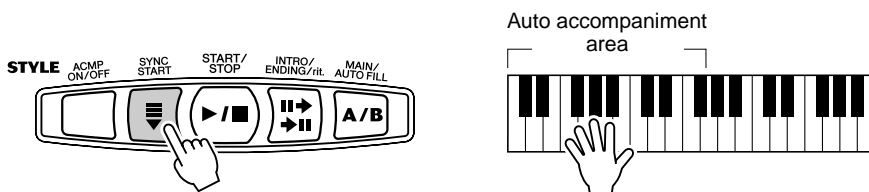
3 Change chords using the auto accompaniment feature.

Try playing a few successive chords with your left hand, and notice how the bass and chord accompaniment change with each chord you play. (Refer to page 40 for more information on how to use auto accompaniment.)

> HINT
>
> *• The [ACMP ON/OFF] button can also be used to turn off and on the bass/chord accompaniment while playing — allowing you to create dynamic rhythmic breaks in your performance.*

> NOTE
>
> *• Chords played in the auto accompaniment area of the keyboard are also detected and played when the style is stopped. In effect, this gives you a "split keyboard," with bass and chords in the left hand and the normally selected voice in the right.*

4 Stop the style.

You can do this in one of three ways:

■ Pressing the [START/STOP] button

The style stops playing immediately.

■ Using an Ending section

Press the [INTRO/ENDING/rit.] button. The style stops after the Ending section is finished.
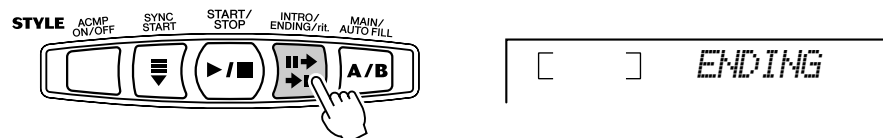
■ Pressing the [SYNC START] button

This immediately stops the style and automatically enables Sync Start, letting you restart the style by simply playing a chord or key in the auto accompaniment area of the keyboard.

To have the Ending section gradually slow down (ritardando) as it is playing, press the [INTRO/ENDING/rit.] button twice quickly.

Changing the Tempo

The tempo of style playback can be adjusted over a range of 32 - 280 bpm (beats per minute).

1 Call up the Tempo setting.
Press the [TEMPO/TAP] button.

Current Tempo value

TEMPO/TAP

```
[ 116 ]  TEMPO
            TOUCH
            MEASURE 001
                          C3
```

2 Change the value.
Use the numeric keypad to set the desired Tempo value, or use the [+]/[−] buttons to increase or decrease the value.

```
1   2   3
4   5   6
7   8   9
−   0   +
NO      YES
```

Restoring the Default Tempo Value

Each song and style has been given a default or standard Tempo setting. If you've changed the Tempo, you can instantly restore the default setting by pressing both [+]/[−] buttons simultaneously (when Tempo is selected).

HINT

• *You can also use the convenient Tap Tempo function to change the tempo by "tapping" a new one in real time. (See page 35.)*

About the Beat Display

This section of the display provides a convenient, easy-to-understand indication of the rhythm — for song and style playback. The flashing "handclap" icons indicate both the downbeats and upbeats of a measure as follows:

✖ 🙏	Indicates the first beat of the measure (downbeat)
🖐 🖐	Indicates an upbeat
🙏	Indicates a downbeat (other than the first beat)

Accompaniment Sections (Main A/B and Fill-ins)

While the style is playing, you can add variation in the rhythm/accompaniment by pressing the [MAIN/AUTO FILL] button. This switches between the Main A and Main B sections, automatically playing a fill-in pattern to smoothly lead into the next section. For example, if the Main A section is currently playing, pressing this button automatically plays a fill-in pattern, followed by the Main B section. (See illustration below.)

You can also select either the Main A or B section to start by pressing the [MAIN/AUTO FILL] button before starting the style.

This appears while the fill-in pattern is playing.

STYLE ACMP ON/OFF   SYNC START   START/ STOP   INTRO/ ENDING/rit.   MAIN/ AUTO FILL

A/B

Fill A→B
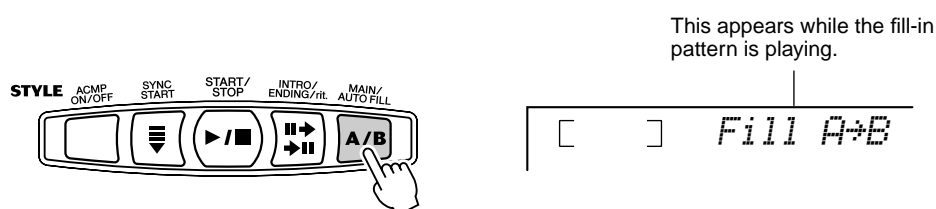
About the Fill-in Patterns

If you press the [MAIN/AUTO FILL] button before beat 4...

...a fill-in pattern plays immediately until the end of the measure...

...and the Main A or B section begins here.

| | 1st measure | | | 2nd measure | | | | 3rd measure | | |
| beat | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 |
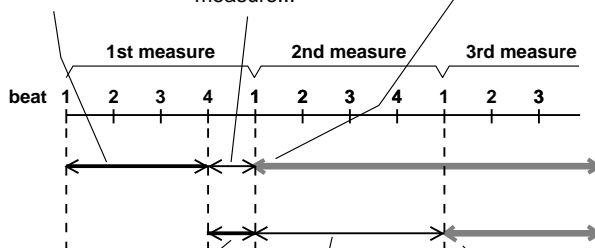
If you press the [MAIN/AUTO FILL] button here, after beat 4...

...a fill-in pattern plays from here...

...and the Main A or B section begins here.

Adjusting the Style Volume

The playback volume of the style can be adjusted in the *Function mode (page 60)*. This volume control affects only the Style volume. The volume range is 000 - 127.

NOTE

• *Style Volume cannot be changed unless the Style mode is active.*

Using Auto Accompaniment — Multi Fingering

When it is set to on (page 34), the auto accompaniment function automatically generates bass and chord accompaniment for you to play along with, by using Multi Fingering operation. You can change the chords of the accompaniment by playing keys in the auto accompaniment area of the keyboard using either the "Single Finger" or "Fingered" method. With Single Finger you can simply play a one-, two- or three-finger chord indication (see Single Finger Chords below). The Fingered technique is that of conventionally playing all the notes of the chord. Whichever method you use, the PSR-275/273 "understands" what chord you indicate and then automatically generates the accompaniment.

■ Single Finger Chords ●

Chords that can be produced in Single Finger operation are major, minor, seventh and minor seventh. The illustration shows how to produce the four chord types. (The key of C is used here as an example; other keys follow the same rules. For example, B♭7 is played as B♭ and A.)

To play a major chord: Press the root note of the chord.

To play a minor chord: Press the root note together with the nearest black key to the left of it.

To play a seventh chord: Press the root note together with the nearest white key to the left of it.

To play a minor seventh chord: Press the root note together with the nearest white and black keys to the left of it (three keys altogether).

■ Fingered Chords ●

Using the key of C as an example, the chart below shows the types of chords that can be recognized in the Fingered mode.

● **Example for "C" chords**

C   C (9) C_6 C_6(9) CM_7 CM_7(9) CM_7(♯11)   C(♭5) CM_7♭5

$Csus_4$ Caug CM_7aug   Cm   Cm(9) Cm_6 Cm_7 Cm_7(9) Cm_7(11)

CmM_7 CmM_7(9) Cm_7♭5 CmM_7♭5   Cdim $Cdim_7$ C_7 C_7(♭9) C_7(♭13)

C_7(9) C_7(♯11) C_7(13) C_7(♯9) C_7♭5 C_7aug C_7sus_4 C_{1+2+5}

* Notes enclosed in parentheses are optional; the chords will be recognized without them.

Chord Name/[Abbreviation]	Normal Voicing	Chord (C)	Display
Major [M]	1 - 3 - 5	C	C
Add ninth [(9)]	1 - 2 - 3 - 5	C(9)	C(9)
Sixth [6]	1 - (3) - 5 - 6	C6	C6
Sixth ninth [6(9)]	1 - 2 - 3 - (5) - 6	C6(9)	C6(9)
Major seventh [M7]	1 - 3 - (5) - 7 or 1 - (3) - 5 - 7	CM7	CM7
Major seventh ninth [M7(9)]	1 - 2 - 3 - (5) - 7	CM7(9)	CM7(9)
Major seventh add sharp eleventh [M7(#11)]	1 - (2) - 3 - #4 - 5 - 7 or 1 - 2 - 3 - #4 - (5) - 7	CM7(#11)	CM7(#11)
Flatted fifth [(♭5)]	1 - 3 - ♭5	C(♭5)	C♭5
Major seventh flatted fifth [M7♭5]	1 - 3 - ♭5 - 7	CM7♭5	CM7♭5
Suspended fourth [sus4]	1 - 4 - 5	Csus4	Csus4
Augmented [aug]	1 - 3 - #5	Caug	Caug
Major seventh augmented [M7aug]	1 - (3) - #5 - 7	CM7aug	CM7aug
Minor [m]	1 - ♭3 - 5	Cm	Cm
Minor add ninth [m(9)]	1 - 2 - ♭3 - 5	Cm(9)	Cm(9)
Minor sixth [m6]	1 - ♭3 - 5 - 6	Cm6	Cm6
Minor seventh [m7]	1 - ♭3 - (5) - ♭7	Cm7	Cm7
Minor seventh ninth [m7(9)]	1 - 2 - ♭3 - (5) - ♭7	Cm7(9)	Cm7(9)
Minor seventh add eleventh [m7(11)]	1 - (2) - ♭3 - 4 - 5 - (♭7)	Cm7(11)	Cm7(11)
Minor major seventh [mM7]	1 - ♭3 - (5) - 7	CmM7	CmM7
Minor major seventh ninth [mM7(9)]	1 - 2 - ♭3 - (5) - 7	CmM7(9)	CmM7(9)
Minor seventh flatted fifth [m7♭5]	1 - ♭3 - ♭5 - ♭7	Cm7♭5	Cm7♭5
Minor major seventh flatted fifth [mM7♭5]	1 - ♭3 - ♭5 - 7	CmM7♭5	CmM7♭5
Diminished [dim]	1 - ♭3 - ♭5	Cdim	Cdim
Diminished seventh [dim7]	1 - ♭3 - ♭5 - 6	Cdim7	Cdim7
Seventh [7]	1 - 3 - (5) - ♭7 or 1 - (3) - 5 - ♭7	C7	C7
Seventh flatted ninth [7(♭9)]	1 - ♭2 - 3 - (5) - ♭7	C7(♭9)	C7(♭9)
Seventh add flatted thirteenth [7(♭13)]	1 - 3 - 5 - ♭6 - ♭7	C7(♭13)	C7(♭13)
Seventh ninth [7(9)]	1 - 2 - 3 - (5) - ♭7	C7(9)	C7(9)
Seventh add sharp eleventh [7(#11)]	1 - (2) - 3 - #4 - 5 - ♭7 or 1 - 2 - 3 - #4 - (5) - ♭7	C7(#11)	C7(#11)
Seventh add thirteenth [7(13)]	1 - 3 - (5) - 6 - ♭7	C7(13)	C7(13)
Seventh sharp ninth [7(#9)]	1 - #2 - 3 - (5) - ♭7	C7(#9)	C7(#9)
Seventh flatted fifth [7♭5]	1 - 3 - ♭5 - ♭7	C7♭5	C7♭5
Seventh augmented [7aug]	1 - 3 - #5 - ♭7	C7aug	C7aug
Seventh suspended fourth [7sus4]	1 - 4 - (5) - ♭7	C7sus4	C7sus4
One plus two plus five [1+2+5]	1 - 2 - 5	C1+2+5	C

NOTE

- *Notes in parentheses can be omitted.*
- *Playing two same root keys in the adjacent octaves produces accompaniment based only on the root.*
- *A perfect fifth (1 + 5) produces accompaniment based only on the root and fifth which can be used with both major and minor chords.*
- *The chord fingerings listed are all in "root" position, but other inversions can be used — with the following exceptions:*

  m7, m7♭5, 6, m6, sus4, aug, dim7, 7♭5, 6(9), 1+2+5.
- *Inversion of the 7sus4 and m7(11) chords are not recognized if the notes shown in parentheses are omitted.*
- *The auto accompaniment will sometimes not change when related chords are played in sequence (e.g. some minor chords followed by the minor seventh).*
- *Two-note fingerings will produce a chord based on the previously played chord.*

Dictionary

The Dictionary function is essentially a built-in "chord book" that shows you the individual notes of chords. It is ideal when you know the name of a certain chord and want to quickly learn how to play it.

1 Press the [Dict.] button.
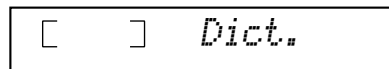
2 Specify the root of the chord.
Press the key on the keyboard that corresponds to the desired chord root (as printed on the panel).
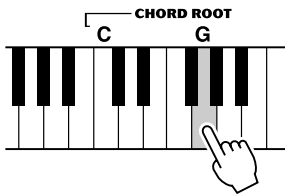
Pressing this key selects the root G.
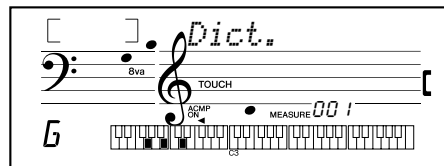
3 Specify the type of the chord (major, minor, seventh, etc.).
Press the key on the keyboard that corresponds to the desired chord type (as printed on the panel).
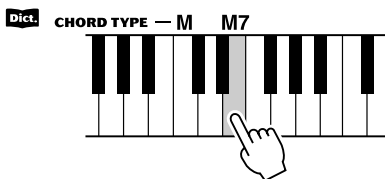
Notation of chord

Pressing this key selects the major seventh chord type (M7).

Chord name (root and type)

Individual notes of chord (keyboard)
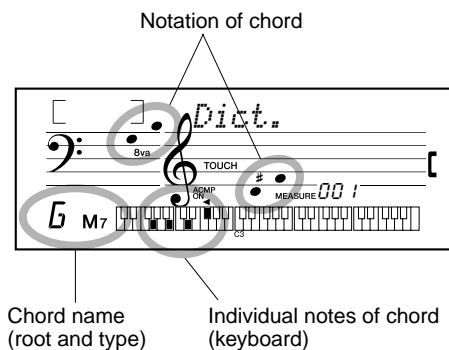
NOTE

• For a few specific chords, not all notes may be shown in the notation section of the display. This is due to space limitations in the display.

• You can also show the inversion of chord when using [+]/[–] button.

4 Play the chord.

Play the chord (as indicated in the display) in the chord area of the keyboard.
The chord name flashes in the display when the correct notes are held down.
(Inversions for many of the chords are also recognized.)

Flashes when correct
notes are held.

Indicates notes to be played.
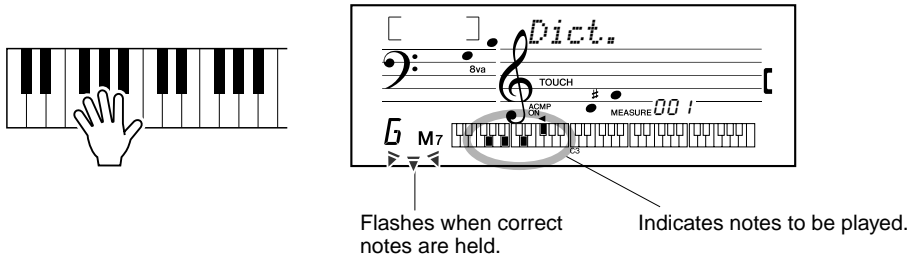
To leave the Dictionary function, press the [Dict.] button again.

• **What is a Chord?** •

The simple answer: Three or more notes played simultaneously is a chord. (Two notes played together is an "interval" — an interval being the distance between two different notes. This is also referred to as a "harmony.") Depending on the intervals between the three or more notes, a chord can sound beautiful or muddy and dissonant.
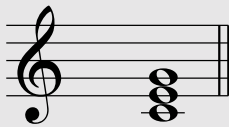
The organization of notes in the example at left — a triad chord — produces a pleasant, harmonious sound. Triads are made up of three notes and are the most basic and common chords in most music.

In this triad, the lowest note is the "root." The root is the most important note in the chord, because it anchors the sound harmonically by determining its "key" and forms the basis for how we hear the other notes of the chord.

The second note of this chord is four semitones higher than the first, and the third is three semitones higher than the second. Keeping our root note fixed and changing these notes by a semitone up or down (sharp or flat), we can create four different chords.

Major chord (ex. C)

Minor 3rd   Major 3rd

Minor chord (ex. Cm)

Major 3rd   Minor 3rd

Augmented chord (ex. Caug)

Major 3rd   Major 3rd

Diminished chord (ex. Cdim)

Minor 3rd   Minor 3rd

Keep in mind that we can also change the "voicing" of a chord — for example, change the order of the notes (called "inversions"), or play the same notes in different octaves — without changing the basic nature of the chord itself.

Inversion examples for the key of C

G
E
C

C
G
E

E
C
G

Beautiful sounding harmonies can be built in this manner. The use of intervals and chords is one of the most important elements in music. A wide variety of emotions and feelings can be created depending on the types of chords used and the order in which they are arranged.

• **Writing Chord Names** •

Knowing how to read and write chord names is an easy yet invaluable skill. Chords are often written in a kind of shorthand that makes them instantly recognizable (and gives you the freedom to play them with the voicing or inversion that you prefer). Once you understand the basic principles of harmony and chords, it's very simple to use this shorthand to write out the chords of a song.

First, write the root note of the chord in an uppercase letter. If you need to specify sharp or flat, indicate that to the right of the root. The chord type should be indicated to the right as well. Examples for the key of C are shown below.

Major chord   **Minor chord**   **Augmented chord**   **Diminished chord**

C   Cm   Caug   Cdim

For simple major chords, the type is omitted.

One important point: Chords are made up of notes "stacked" on top of each other, and the stacked notes are indicated in the chord name of the chord type as a number — the number being the distance of the note from the root. (See the keyboard diagram below.) For example, the minor 6th chord includes the 6th note of the scale, the major 7th chord has the 7th note of the scale, etc.

The Intervals of the Scale

To better understand the intervals and the numbers used to represent them in the chord name, study this diagram of the C major scale:
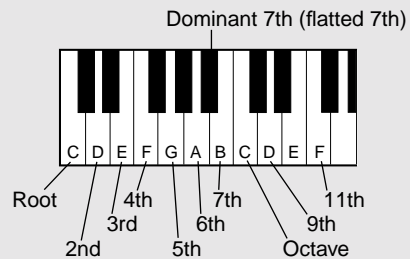
Other Chords

♫ Selecting and Playing Songs

The Song mode features 100 special songs that have been created using the rich and dynamic sounds of the PSR-275/273.

The songs are generally for your listening enjoyment; however, you can also play along with them on the keyboard. The songs of the PSR-275/273 can also be used with the powerful Lesson feature (page 49), a convenient tool that makes learning songs fun and easy.

Selecting a Song

1 Press the [SONG] button.

Song number and name
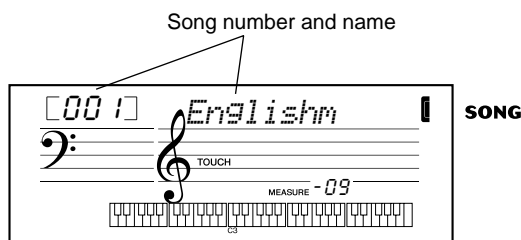
2 Select the desired song number.

The categories of each song and their numbers are shown on the panel. A complete list of the available songs is given on page 15.

SONG
001   DEMO
002~009 ORCHESTRA
010~029 PIANIST
030~053 PRACTICE
054~067 DUET
068~100 CHORD LESSON

■ Use the numeric keypad.

Song numbers can be selected in the same way as with the voices (page 19). You can use the numeric keypad to directly enter the song number, or use the [+]/[−] buttons to step up and down through the song.
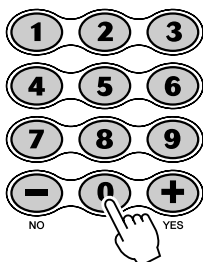
Playing the Songs

The Panel buttons below function as Song controls.

Turns on the A-B Repeat function (page 47).

Starts and stops song playback.

Reverses the playback position.

A-B REPEAT   PAUSE   START/STOP   REW   FF

SONG

Pauses playback.

Advances the playback position.
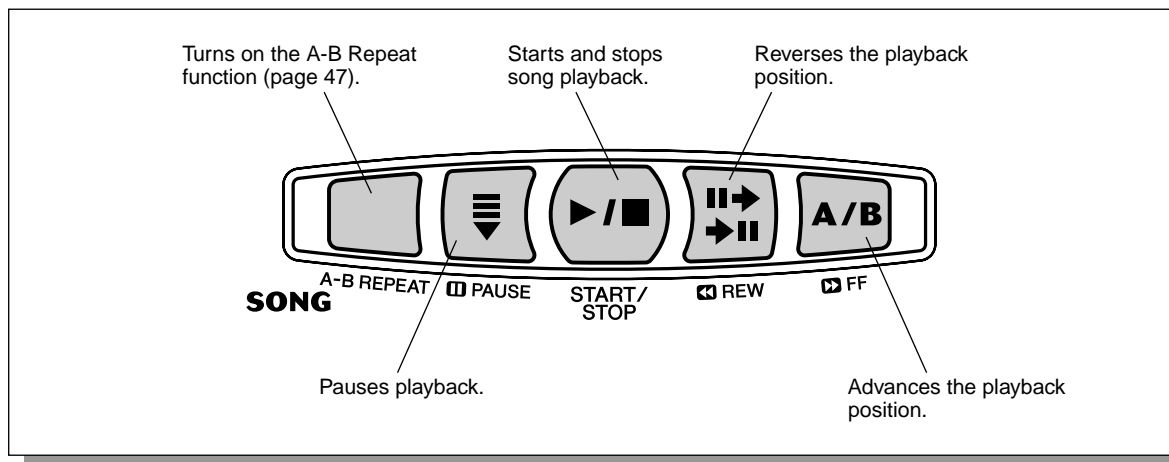
1 Start the selected song.

Press the [START/STOP] button. As the song plays back, the measure number and playing keys are shown in the display.

A-B REPEAT   PAUSE   START/STOP   EW   FF
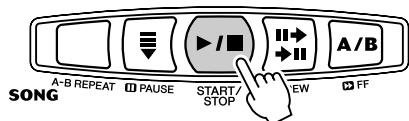
SONG

NOTE

- *You can play along with the song using the currently selected voice, or even select a different voice for playing along. Simply call up the Voice mode while the song is playing back and select the desired voice. (See page 23.)*

2 Stop the song.

Press the [START/STOP] button. If playback was started by pressing the [START/STOP] button, the selected song stops automatically.

A-B Repeat

The convenient A-B Repeat function is an ideal aid for practicing and learning. It allows you to specify a phrase of a song (between point A and point B) and repeat it — while you play or practice along with it.

1 While playing a song, set point A (the start point).
During playback, press the [A-B REPEAT] button once, at the beginning point to be repeated.
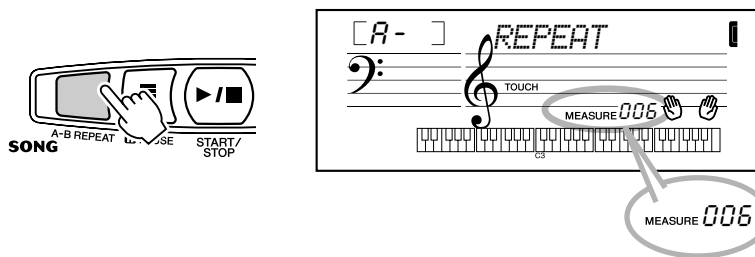
NOTE

- *The A and B points can only be specified at the beginning of a measure (beat 1), and not at any point in the middle of a measure.*

- *To set the A point to the beginning of a song, press the [A-B REPEAT] button before starting playback.*

2 Set point B (the end point).
As the song continues playing, press the [A-B REPEAT] button once again, at the ending point to be repeated. The selected phrase repeats indefinitely until stopped.
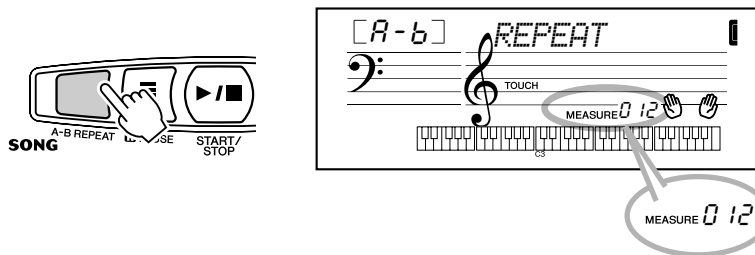
HINT

- *If you're repeat practicing a particularly difficult section, try slowing down the Tempo to an appropriate speed to make it easier to play and master the part. You may also want to slow down the Tempo while setting the A and B points; this makes it easier to accurately set the points.*

- *You can also set the A-B Repeat function when the song is stopped. Simply use the [◀◀ REW] and [▶▶ FF] buttons to select the desired measures, pressing the [A-B REPEAT] button for each point, then start playback.*

3 Pause or stop playback as needed.
Use the [❚❚ PAUSE] button or [START/STOP] button. Stopping playback does not cancel the set A/B points or the A-B Repeat function.
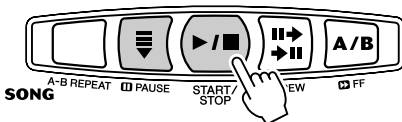
4 Turn off the A-B Repeat function.
Press the [A-B REPEAT] button.
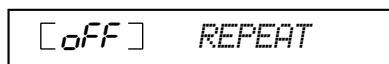
Melody Voice Change

The PSR-275/273 lets you play a melody on the keyboard along with each of the songs, either with the original melody voice or one of your own selection. The convenient Melody Voice Change feature takes this one step further — it lets you replace the original voice used for the melody of the song with the panel voice of your own selection. For example, if the current voice selected on the panel is piano but the song's melody is being played by a flute voice, using Melody Voice Change will change the flute melody voice to piano.

1 Select the desired song.
Press the [SONG] button, then use the numeric keypad or [+]/[–] buttons to select the desired song. (See page 45.)

2 Select the desired voice.
Press the [VOICE] button, then use the numeric keypad or [+]/[–] buttons to select the desired voice. (See page 23.)

3 Press and hold down the [VOICE] button for at least one second.
"MELODY VOICE CHANGE" appears in the display, indicating that the selected panel voice has replaced the song's original melody voice.

```
[003]    MELODY V
```

SONG   STYLE   VOICE

> NOTE
>
> • *Playing a voice which is selected by the melody voice change may differ from the original voice, since the voice is added as an effect for the selected song.*

Adjusting the Song Volume

The playback volume of the song can be adjusted in the *Function mode (page 60)*. This volume control affects only the Song volume. The volume range is 000 - 127.

> NOTE
>
> • *Song Volume cannot be changed unless the Song mode is active. (This function becomes Style Volume when the Style mode is active.)*

The Lesson feature provides an exceptionally fun and easy-to-use way to learn how to read music and play the keyboard. Lesson lets you practice the left- and right-hand parts of each song independently, step by step, until you've mastered them and are ready to practice with both hands together. These practices are divided into four Lesson steps, as described below. Lessons 1 - 3 apply to each hand; press the appropriate button, [L] (left) or [R] (right) to select the desired part for practice.

■ Lesson 1 — Timing
This lesson step lets you practice just the timing of the notes — any note can be used, as long as you play in rhythm.

■ Lesson 2 — Waiting
In this lesson step, the PSR-275/273 waits for you to play the correct notes before continuing playback of the song.

■ Lesson 3 — Minus One
This lesson step plays back the song with one part muted, letting you play and master the missing part yourself — in rhythm and at the proper tempo.

■ Lesson 4 — Both Hands
Lesson 4 is a "Minus One" practice essentially the same as Lesson 3, except that both the left- and right-hand parts are muted — letting you play and master both hands at the same time.

Using the Lesson Feature

1 Select one of the Lesson songs.
Press the [SONG] button, then use the numeric keypad or [+]/[–] buttons to select the desired song.

```
[029]  FurElise
```
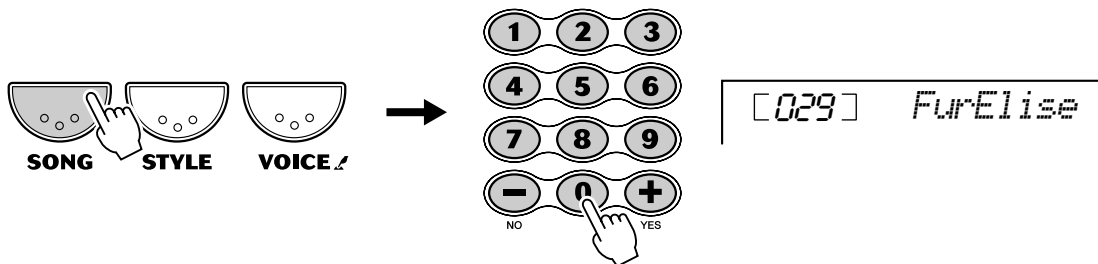
2 Select the part you wish to work on (left or right) and the Lesson step.

If you want to work on the right-hand part, press the [R] button; to work on the left, press the [L] button. Pressing either button repeatedly cycles through the available Lesson steps in order: Lesson 1 → Lesson 2 → Lesson 3 → Off → Lesson 1, etc. The selected Lesson step is indicated in the display.
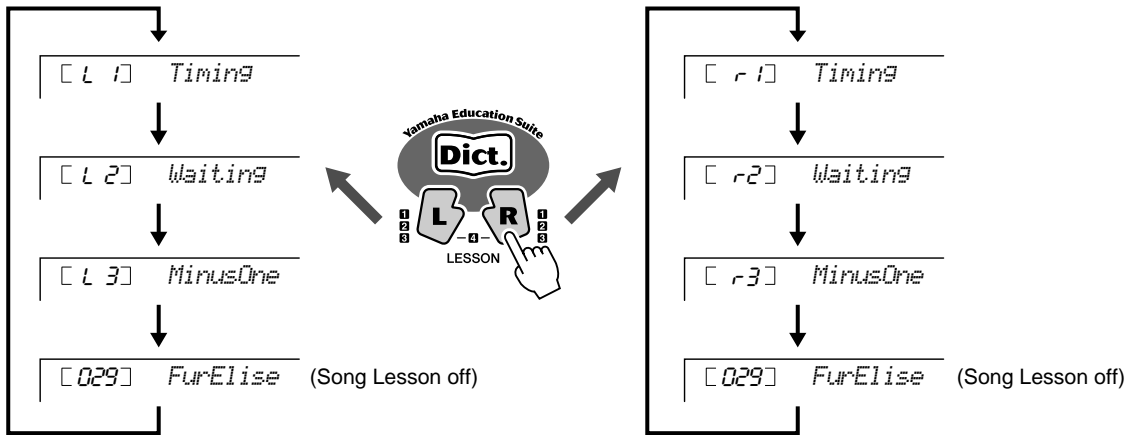
To select Lesson 4, press both [L] and [R] buttons simultaneously.
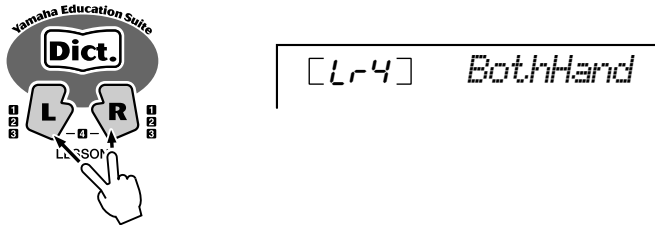
3 Start the Lesson.

The Lesson and song playback start automatically (following a lead-in count) as soon as the Lesson step is selected. When the Lesson is finished, your performance "grade" is shown in the display (if the Grade function is turned on; page 53). After a short pause, the Lesson begins again automatically.

Asterisks appear indicating the timing at which you should play the notes. The line of asterisks represents one full measure. Sixteenth notes are indicated by an alternating asterisk and sharp sign.
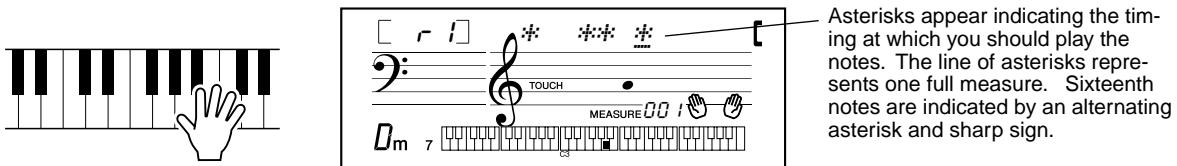
4 Press the [START/STOP] button to stop the Lesson.
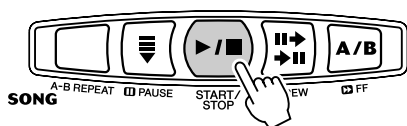
The PSR-275/273 exits from the Lesson feature automatically when the [START/STOP] button is pressed.

Lesson 1 — Timing

This lesson step lets you practice just the timing of the notes — any note can be used, as long as you play in rhythm. Pick a note to play. For the left hand, use a note in the auto accompaniment area or play the appropriate left-hand note; for the right, play a note above F#2. Simply concentrate on playing each note in time with the rhythmic accompaniment.

NOTE

• *The melody note does not sound unless your playing is in time with the rhythm.*

1 Select one of the Lesson songs.

2 Select Lesson 1.
Press the [L] or [R] button (repeatedly, if necessary) until Lesson 1 is indicated.
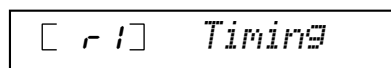
```
[ r1]    Timing
```

3 Play the appropriate melody or chord with the song.
After the lead-in, the song starts automatically, and the appropriate notes appear in the display. In Lesson 1, simply play one note repeatedly in time with the music.

Regarding chords and the use of the left hand, the PSR-275/273 actually has two different types of songs: 1) songs with normal left-hand chords, and 2) songs in which the left hand plays arpeggios or melodic figures in combination with the right.

In the case of the first type, play the chords with your left hand in the auto accompaniment area of the keyboard.
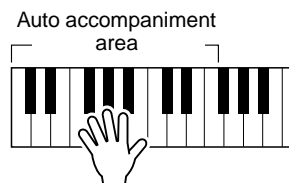
Auto accompaniment area

Lesson 2 — Waiting

In this lesson step, the PSR-275/273 waits for you to play the correct notes before continuing playback of the song. This lets you practice reading the music at your own pace. The notes to be played are shown in the display, one after another, as you play them correctly.

1 Select one of the Lesson songs.

2 Select Lesson 2.
Press the [L] or [R] button (repeatedly, if necessary) until Lesson 2 is indicated.

```
[ r2 ]    Waiting
```

3 Play the appropriate melody or chord with the song.
After the lead-in, the song starts automatically, and the appropriate notes appear in the display. In Lesson 2, play the correct notes at your own pace, until you can master playing them in rhythm.

Lesson 3 — Minus One

This lesson step lets you practice one part of the song in rhythm at the proper tempo. The PSR-275/273 plays back the song accompaniment with one part muted (either the left part or the right)— letting you play and master the missing part yourself. The notes you are to play are shown continuously in the display as the song plays back.

1 Select one of the Lesson songs.

2 Select Lesson 3.
Press the [L] or [R] button (repeatedly, if necessary) until Lesson 3 is indicated.

```
[ r3 ]    MinusOne
```

_3_ Play the appropriate part with the song.

After the lead-in, the song starts automatically, and the appropriate notes appear in the display. In Lesson 3, listen carefully to the un-muted part, and play the muted part yourself.

Lesson 4 — Both Hands

Lesson 4 is a "Minus One" practice essentially the same as Lesson 3, except that both the left- and right-hand parts are muted — letting you play and master both hands at the same time. Go on to this lesson step after you've mastered each hand's part in the previous three lesson steps. Practice both hands in time with the rhythm along with the notation in the display.

_1_ Select one of the Lesson songs.

_2_ Select Lesson 4.

Press the [L] and [R] buttons simultaneously, so that Lesson 4 is indicated.

```
[Lr4]    BothHand
```

_3_ Play both the left- and right-hand parts with the song.

After the lead-in, the song starts automatically, and the appropriate notes appear in the display. In Lesson 4, both parts (left and right) are muted, letting you play the entire song by yourself.

Grade

The Lesson feature has a built-in evaluation function that monitors your practicing of the Lesson songs, and just like a real teacher, it indicates how well you did each exercise. Four grades are assigned, depending on your performance: "Try Again," "Good," "Very Good!," and "Excellent!."

The PSR-275/273 is MIDI-compatible, featuring MIDI IN and MIDI OUT terminals and providing a variety of MIDI-related controls. By using the MIDI functions you can expand your musical possibilities. This section explains what MIDI is, and what it can do, as well as how you can use MIDI on your PSR-275/273.

What Is MIDI?

No doubt you have heard the terms "acoustic instrument" and "digital instrument." In the world today, these are the two main categories of instruments. Let's consider an acoustic piano and a classical guitar as representative acoustic instruments. They are easy to understand. With the piano, you strike a key, and a hammer inside hits some strings and plays a note. With the guitar, you directly pluck a string and the note sounds. But how does a digital instrument go about playing a note?

Acoustic guitar note production
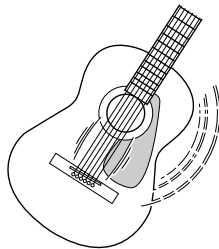
Pluck a string and the body resonates the sound.

Digital instrument note production

Tone Generator (Electronic circuit)

L — Sampling Note — Sampling Note — R

Playing the keyboard
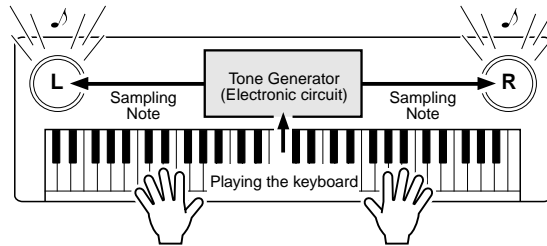
Based on playing information from the keyboard, a sampling note stored in the tone generator is played through the speakers.

As shown in the illustration above, in an electronic instrument the sampling note (previously recorded note) stored in the tone generator section (electronic circuit) is played based on information received from the keyboard. So then what is the information from the keyboard that becomes the basis for note production?

For example, let's say you play a "C" quarter note using the grand piano sound on the PSR-275/273 keyboard. Unlike an acoustic instrument that puts out a resonated note, the electronic instrument puts out information from the keyboard such as "with what voice," "with which key," "about how strong," "when was it pressed," and "when was it released." Then each piece of information is changed into a number value and sent to the tone generator. Using these numbers as a basis, the tone generator plays the stored sampling note.

● **Example of Keyboard Information**

Voice number (with what voice)	01 (grand piano)
Note number (with which key)	60 (C3)
Note on (when was it pressed) and note off (when was it released)	Timing expressed numerically (quarter note)
Velocity (about how strong)	120 (strong)

GM System Level 1

"GM System Level 1" is an addition to the MIDI standard which ensures that any GM-compatible music data can be accurately played by any GM-compatible tone generator, regardless of manufacturer. The GM mark is affixed to all software and hardware products that support GM System Level 1. The PSR-275/273 supports GM System Level 1.

GENERAL MIDI

MIDI is an acronym that stands for Musical Instrument Digital Interface, which allows electronic musical instruments to communicate with each other, by sending and receiving compatible Note, Control Change, Program Change and various other types of MIDI data, or messages.
The PSR-275/273 can control a MIDI device by transmitting note related data and various types of controller data. The PSR-275/273 can be controlled by the incoming MIDI messages which automatically determine tone generator mode, select MIDI channels, voices and effects, change parameter values and of course play the voices specified for the various parts.

MIDI messages can be divided into two groups: Channel messages and System messages. Below is an explanation of the various types of MIDI messages which the PSR-275/273 can receive/transmit.

● Channel Messages

The PSR-275/273 is an electronic instrument that can handle 16 channels. This is usually expressed as "it can play 16 instruments at the same time." Channel messages transmit information such as Note ON/OFF, Program Change, for each of the 16 channels.

Message Name	PSR-275/273 Operation/Panel Setting
Note ON/OFF	Messages which are generated when the keyboard is played. Each message includes a specific note number which corresponds to the key which is pressed, plus a velocity value based on how hard the key is stuck.
Program Change	Voice number (along with corresponding bank select MSB/LSB settings, if necessary).
Control Change	Messages that are used to change some aspect of the sound (volume, etc.).

● System Messages

This is data that is used in common by the entire MIDI system. System messages include messages like Exclusive Messages that transmit data unique to each instrument manufacturer and Realtime Messages that control the MIDI device.

Message Name	PSR-275/273 Operation/Panel Setting
Exclusive Message	Reverb setting, etc.
Realtime Messages	Clock, Start/stop operations

The messages transmitted/received by the PSR-275/273 are shown in the MIDI Implementation Chart on page 68.

MIDI Terminals

In order to exchange MIDI data between multiple devices, each device must be connected by a cable. The MIDI terminals of the PSR-275/273 are located on the rear panel.
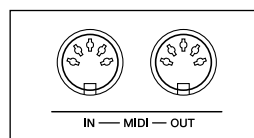
IN —— MIDI —— OUT

MIDI IN	Receives MIDI data from another MIDI device.
MIDI OUT	Transmits the PSR-275/273's keyboard information as MIDI data to another MIDI device.

NOTE

- Special MIDI cables (sold separately) must be used for connecting to MIDI devices. They can be bought at music stores, etc.

- Never use MIDI cables longer than about 15 meters. Cables longer than this can pick up noise which can cause data errors.

Connecting to a Personal Computer

By connecting your PSR-275/273's MIDI terminals to a personal computer, you can have access to a wide variety of music software.

● **When using a MIDI interface device installed in the personal computer, connect the MIDI terminals of the personal computer and the PSR-275/273.**

MIDI OUT → MIDI IN PSR-275/273
MIDI IN ← MIDI OUT

Computer
(sequencer software)
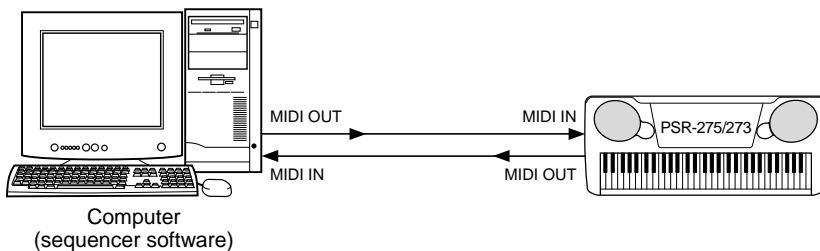
● **When using a MIDI interface with a Macintosh series computer, connect the RS-422 terminal of the computer (modem or printer terminal) to the MIDI interface, as shown in the diagram below.**

RS-422 ← MIDI Interface MIDI IN PSR-275/273
MIDI OUT

Computer
(sequencer software)
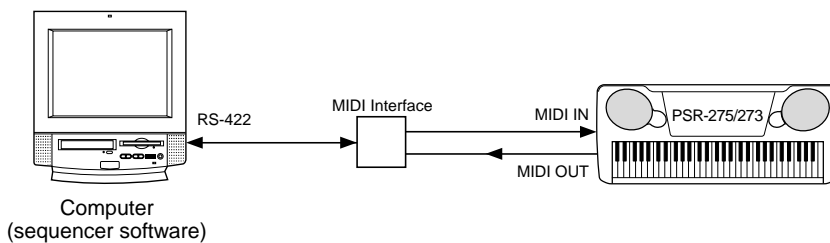
NOTE
• When using a Macintosh series computer, set the MIDI interface clock setting in the application software to match the setting of the MIDI interface you are using. For details, refer to the owner's manual for the software you are using.

NOTE
Viewing the Notation for MIDI Channel 1
• The PSR-275/273 has a special function that lets you view the notes of the MIDI data (channel 1 only) on the display.

● **When connecting to a computer with a USB interface, use the Yamaha UX16 USB/MIDI Interface. Connect the UX16 and the computer with a standard USB cable, then make the proper MIDI connections between the PSR-275/273 and the UX16.**

UX16 MIDI IN PSR-275/273
USB MIDI OUT

Computer
(sequencer software)
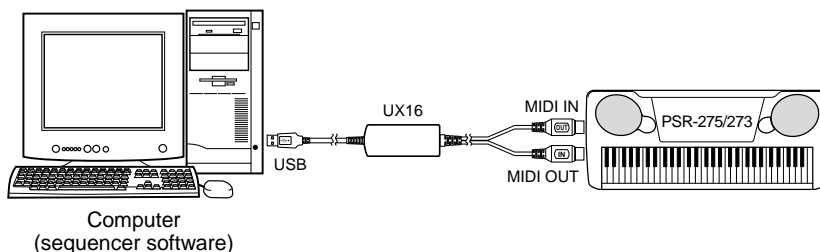
Local Control

This function lets you enable or disable keyboard control over the PSR-275/273's voices in the *Function mode (page 60)*. This would come in handy, for example, when recording notes to MIDI sequencer. If you are using the sequencer to play back the voices of the PSR-275/273, you would want to set this to "off" — in order to avoid getting "double" notes, both from the keyboard and from the sequencer. Normally, when playing the PSR-275/273 by itself, this should be set to "on."

⚠️ **CAUTION**
• *No sound is output from the PSR-275/273 when Local ON/OFF is set to OFF.*

Using Initial Setup Send with a Sequencer

The most common use for the Initial Setup Send function is in recording a song on a sequencer that is intended for playback with the PSR-275/273. Essentially, this takes a "snapshot" of the PSR-275/273 settings and sends that data to the sequencer. By recording this "snapshot" at the start of the song (before any actual performance data), you can instantly restore the necessary settings on the PSR-275/273 in the *Function mode (page 60)*. Provided there is a pause in the song, you could also do this in the middle of a song — for example, completely changing the PSR-275/273 settings for the next section of the song.

NOTE
• *When the Initial Setup Send operation is completed, the PSR-275/273 automatically returns to the previous panel condition.*

External Clock

This determines whether the style and song playback functions are controlled by the PortaTone's internal clock (off) or by MIDI clock data from an external sequencer or computer (on).
This should be set to on when you want to have style or song playback follow the external device (such as a rhythm machine or a sequencer). The default setting is off.

These settings can be made in the Function mode (page 60).

⚠️ **CAUTION**
• *If External Clock is set to ON, style or song playback will not start unless external clock are received.*

MIDI LSB Receive Cancel

Determines whether the LSB data of Bank Select is received or not. Press and hold the lowest key and turn on the power to change the setting (LSB is ignored).

To restore MIDI LSB Receive Cancel to normal (LSB is recognized), turn on the power again normally.
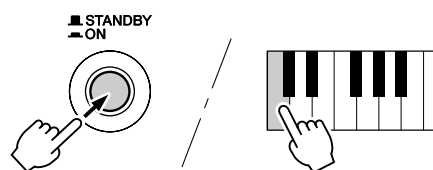
PC Mode

The PC Mode lets you instantly reconfigure the MIDI control settings for use with a computer or MIDI device.

	PC mode is on	PC mode is off
LOCAL ON/OFF	OFF	ON

■ To turn the PC mode on or off:

Press the [PC] button and then press the appropriate [+]/[–] button. This switches between the PC Mode on/off settings.
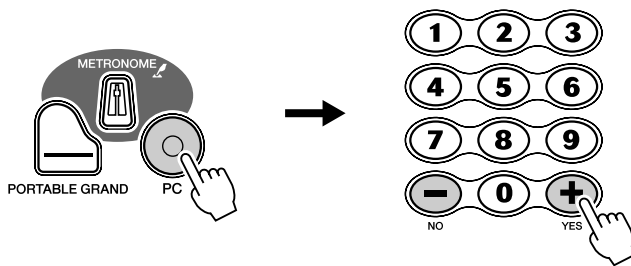
⚠ **CAUTION**

• *No sound is output from the PSR-275/273 when Local ON/ OFF is set to OFF.*


```
[on ]   PC Mode
```

Function

**The PSR-275/273 has a variety of settings in the Function parameters.
These give you detailed control over many of the PSR-275/273's features.**

Using the Function parameters

1 Select a Function name.
Press the [FUNCTION] button, repeatedly if necessary, until appropriate
Function name is appear in the display.

FUNCTION

[00]   Transpos
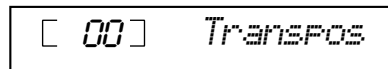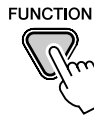
2 Input the appropriate value or use the [+]/[–] buttons to set the selected Function.
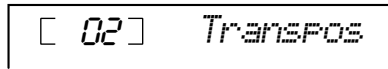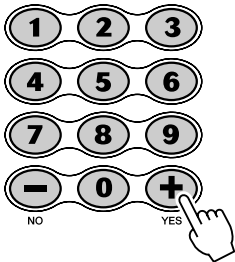
NOTE

• To input a negative value, simultaneously hold the [–] button and enter the number.

[02]   Transpos

59

Function

● Function parameters

CATEGORY	SELECT	Display	Range/Settings	Description	
Overall	Transpose	*Transpos*	-12–12	This determines the transposition of the entire PSR-275/273 sound.	*
	Tuning	*Tuning*	-100–100	This determines the pitch of the entire PSR-275/273 sound .	*
	Split Point	*SplitPnt*	000–127	This determines the highest key for the Split voice and sets the Split "point" — in other words, the key that separates the Split (lower) and Main (upper) voices. (The Split voice sounds up to and including the Split Point key.) The default Split Point is 054 (F#2). The Split Point setting and Accompaniment Split Point setting are automatically set to the same value.	*
	Touch Sensitivity	*TouchSns*	1–3	A setting of "1" results in limited touch response; this setting produces a relatively narrow dynamic range, no matter how lightly or strongly you play the keys. "2" lets you play over a normal dynamic range (soft to loud), while "3" is designed for playing very soft passages, giving you slightly more detailed control in the soft volume range. When Touch is turned off (page 27), a constant velocity value of 80 is produced (total velocity range = 0–127).	*
Volume	Style Volume	*StyleVol*	0–127	This determines the volume of the style, letting you create an optimum mix with your performance.	*
	Song Volume	*SongVol*	0–127	This determines the volume of the Song.	*
	Metronome Volume	*MtrVol*	0–127	This determines the volume of the Metronome.	*
	Metronome Time Signature	*TimeSig*	0–15	This determines the time signature of the Metronome.	*
Main Voice	Volume	*M.Volume*	0–127	This determines the volume of the Main voice, letting you create an optimum mix with the Dual or Split voice.	*
	Octave	*M.Octave*	-2–2 (octave)	This determines the octave range for the Main voice. Use this to set the most suitable range for the Main voice.	*
	Reverb Send Level	*M.RevLvl*	0–127	This determines how much of the Main voice's signal is sent to the Reverb effect. Higher values result in a louder Reverb effect.	*
	Chorus Send Level	*M.ChoLvl*	0–127	This determines how much of the Main voice's signal is sent to the Chorus effect. Higher values result in a louder Chorus effect.	*
Dual Voice	Voice	*D.Voice*	1–480	This select the dual voice.	
	Volume	*D.Volume*	0–127	This determines the volume of the Dual voice, letting you create an optimum mix with the Main voice.	*
	Octave	*D.Octave*	-2–2 (octave)	This determines the octave range for the Dual voice. Use this to create an octave layer for the Dual voice.	*
	Reverb Send Level	*D.RevLvl*	0–127	This determines how much of the Dual voice's signal is sent to the Reverb effect. Higher values result in a louder Reverb effect for the Dual voice.	*
	Chorus Send Level	*D.ChoLvl*	0–127	This determines how much of the Dual voice's signal is sent to the Chorus effect. Higher values result in a louder Chorus effect for the Dual voice.	*
Split Voice	Voice	*S.Voice*	1–480	This select the split voice.	
	Volume	*S.Volume*	0–127	This determines the volume of the Split voice, letting you create an optimum mix with the Main voice.	*
	Octave	*S.Octave*	-2–2 (octave)	This determines the octave range for the Split voice. Use this to set the most suitable range for the Split (lower) voice.	*
	Reverb Send Level	*S.RevLvl*	0–127	This determines how much of the Split voice's signal is sent to the Reverb effect. Higher values result in a louder Reverb effect for the Split voice.	*
	Chorus Send Level	*S.ChoLvl*	0–127	This determines how much of the Split voice's signal is sent to the Chorus effect. Higher values result in a louder Chorus effect for the Split voice.	*
Effect/ Harmony	Reverb Type	*Reverb*	1–9	This determines the Reverb type (See the list on page 32).	*
	Chorus Type	*Chorus*	1–5	This determines the Chorus type, including "off" (See the list on page 32).	*
	Harmony Type	*HarmType*	1–26	This determines the Harmony type (See the list on page 31).	*
	Harmony Volume	*HarmVol*	0–127	This determines the level of the Harmony effect when Harmony type 1-5 is selected, letting you create the optimum mix with the original melody note.	*
Utility	Local On/Off	*Local*	On/Off	This determines the Local on or off. Press the [+]/[–] buttons to set Local Control to on or off.	
	External Clock	*ExtClock*	On/Off	This determines the External clock or Internal clock. Press the [+]/[–] buttons to set External clock or Internal clock.	
	Initial Setup Send	*InitSend*	YES/NO	This lets you save PortaTone initial data to another device (such as a sequencer, computer, or MIDI data filer). Use the [+/YES] button to transmit the data.	

* The "∗" mark indicates that the setting can be restored to default value by pressing both [+]/[–] buttons simultaneously.

Voice List

■ Maximum Polyphony ●

The PSR-275/273 has 32-note maximum polyphony. This means that it can play a maximum of up to 32 notes at once, regardless of what functions are used. Auto Accompaniment uses a number of the available notes, so when Auto Accompaniment is used the total number of available notes for playing on the keyboard is correspondingly reduced. The same applies to the Split Voice and Song functions.

NOTE

- The Voice List includes MIDI program change numbers for each voice. Use these program change numbers when playing the PSR-275/273 via MIDI from an external device.

- Some voices may sound continuously or have a long decay after the notes have been released while the sustain pedal (footswitch) is held.

● Panel Voice List

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
PIANO				
001	0	112	0	Grand Piano
002	0	112	1	Bright Piano
003	0	112	3	Honky-tonk Piano
004	0	112	2	MIDI Grand Piano
005	0	113	2	CP 80
006	0	112	6	Harpsichord
E.PIANO				
007	0	114	4	Galaxy EP
008	0	112	4	Funky Electric Piano
009	0	112	5	DX Modern Elec. Piano
010	0	113	5	Hyper Tines
011	0	114	5	Venus Electric Piano
012	0	112	7	Clavi
ORGAN				
013	0	112	16	Jazz Organ 1
014	0	113	16	Jazz Organ 2
015	0	112	17	Click Organ
016	0	116	16	Bright Organ
017	0	112	18	Rock Organ
018	0	114	18	Purple Organ
019	0	118	16	16'+2' Organ
020	0	119	16	16'+4' Organ
021	0	114	16	Theater Organ
022	0	112	19	Church Organ
023	0	113	19	Chapel Organ
024	0	112	20	Reed Organ
ACCORDION				
025	0	113	21	Traditional Accordion
026	0	112	21	Musette Accordion
027	0	113	23	Bandoneon
028	0	112	22	Harmonica
GUITAR				
029	0	112	24	Classical Guitar
030	0	112	25	Folk Guitar
031	0	113	25	12Strings Guitar
032	0	112	26	Jazz Guitar
033	0	113	26	Octave Guitar
034	0	112	27	Clean Guitar
035	0	117	27	60's Clean Guitar
036	0	112	28	Muted Guitar
037	0	112	29	Overdriven Guitar
038	0	112	30	Distortion Guitar
BASS				
039	0	112	32	Acoustic Bass
040	0	112	33	Finger Bass
041	0	112	34	Pick Bass
042	0	112	35	Fretless Bass
043	0	112	36	Slap Bass
044	0	112	38	Synth Bass

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
045	0	113	38	Hi-Q Bass
046	0	113	39	Dance Bass
STRINGS				
047	0	112	48	String Ensemble
048	0	112	49	Chamber Strings
049	0	112	50	Synth Strings
050	0	113	49	Slow Strings
051	0	112	44	Tremolo Strings
052	0	112	45	Pizzicato Strings
053	0	112	55	Orchestra Hit
054	0	112	40	Violin
055	0	112	42	Cello
056	0	112	43	Contrabass
057	0	112	105	Banjo
058	0	112	46	Harp
CHOIR				
059	0	112	52	Choir
060	0	113	52	Vocal Ensemble
061	0	112	53	Vox Humana
062	0	112	54	Air Choir
SAXOPHONE				
063	0	112	64	Soprano Sax
064	0	112	65	Alto Sax
065	0	112	66	Tenor Sax
066	0	114	66	Breathy Tenor
067	0	112	67	Baritone Sax
068	0	112	68	Oboe
069	0	112	69	English Horn
070	0	112	70	Bassoon
071	0	112	71	Clarinet
TRUMPET				
072	0	112	56	Trumpet
073	0	112	59	Muted Trumpet
074	0	112	57	Trombone
075	0	113	57	Trombone Section
076	0	112	60	French Horn
077	0	112	58	Tuba
BRASS				
078	0	112	61	Brass Section
079	0	113	61	Big Band Brass
080	0	119	61	Mellow Horns
081	0	112	62	Synth Brass
082	0	113	62	Jump Brass
083	0	114	62	Techno Brass
FLUTE				
084	0	112	73	Flute
085	0	112	72	Piccolo
086	0	112	75	Pan Flute
087	0	112	74	Recorder
088	0	112	79	Ocarina

Voice List

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
SYNTH LEAD				
089	0	112	80	Square Lead
090	0	112	81	Sawtooth Lead
091	0	112	85	Voice Lead
092	0	112	98	Star Dust
093	0	112	100	Brightness
094	0	115	81	Analogon
095	0	119	81	Fargo
SYNTH PAD				
096	0	112	88	Fantasia
097	0	113	100	Bell Pad
098	0	112	91	Xenon Pad
099	0	112	94	Equinox
100	0	113	89	Dark Moon
PERCUSSION				
101	0	112	11	Vibraphone
102	0	112	12	Marimba
103	0	112	13	Xylophone
104	0	112	114	Steel Drums
105	0	112	8	Celesta
106	0	112	14	Tubular Bells
107	0	112	47	Timpani
108	0	112	10	Music Box
DRUM KITS				
109	127	0	0	Standard Kit 1
110	127	0	1	Standard Kit 2
111	127	0	8	Room Kit
112	127	0	16	Rock Kit
113	127	0	24	Electronic Kit
114	127	0	25	Analog Kit
115	127	0	27	Dance Kit
116	127	0	32	Jazz Kit
117	127	0	40	Brush Kit
118	127	0	48	Symphony Kit
119	126	0	0	SFX Kit 1
120	126	0	1	SFX Kit 2

● XGlite Voice List

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
PIANO				
121	0	0	0	Grand Piano
122	0	1	0	Grand Piano KSP
123	0	40	0	Piano Strings
124	0	41	0	Dream
125	0	0	1	Bright Piano
126	0	1	1	Bright Piano KSP
127	0	0	2	Electric Grand Piano
128	0	1	2	Electric Grand Piano KSP
129	0	32	2	Detuned CP80
130	0	0	3	Honky-tonk Piano
131	0	1	3	Honky-tonk Piano KSP
132	0	0	4	Electric Piano 1
133	0	1	4	Electric Piano 1 KSP
134	0	32	4	Chorus Electric Piano 1
135	0	0	5	Electric Piano 2
136	0	1	5	Electric Piano 2 KSP
137	0	32	5	Chorus Electric Piano 2
138	0	41	5	DX + Analog Electric Piano
139	0	0	6	Harpsichord
140	0	1	6	Harpsichord KSP
141	0	35	6	Harpsichord 3
142	0	0	7	Clavi
143	0	1	7	Clavi KSP

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
CHROMATIC				
144	0	0	8	Celesta
145	0	0	9	Glockenspiel
146	0	0	10	Music Box
147	0	64	10	Orgel
148	0	0	11	Vibraphone
149	0	1	11	Vibraphone KSP
150	0	0	12	Marimba
151	0	1	12	Marimba KSP
152	0	64	12	Sine Marimba
153	0	97	12	Balimba
154	0	98	12	Log Drums
155	0	0	13	Xylophone
156	0	0	14	Tubular Bells
157	0	96	14	Church Bells
158	0	97	14	Carillon
159	0	0	15	Dulcimer
160	0	35	15	Dulcimer 2
161	0	96	15	Cimbalom
162	0	97	15	Santur
ORGAN				
163	0	0	16	DrawOrg
164	0	32	16	Detuned DrawOrg
165	0	33	16	60's DrawOrg 1
166	0	34	16	60's DrawOrg 2
167	0	35	16	70's DrawOrg 1
168	0	37	16	60's DrawOrg 3
169	0	40	16	16+2"2/3
170	0	64	16	Organ Bass
171	0	65	16	70's DrawOrg 2
172	0	66	16	Cheezy Organ
173	0	67	16	DrawOrg 3
174	0	0	17	Percussive Organ
175	0	24	17	70's Percussive Organ
176	0	32	17	Detuned Percussive Organ
177	0	33	17	Light Organ
178	0	37	17	Percussive Organ 2
179	0	0	18	Rock Organ
180	0	64	18	Rotary Organ
181	0	65	18	Slow Rotary
182	0	66	18	Fast Rotary
183	0	0	19	Church Organ
184	0	32	19	Church Organ 3
185	0	35	19	Church Organ 2
186	0	40	19	Notre Dame
187	0	64	19	Organ Flute
188	0	65	19	Tremolo Organ Flute
189	0	0	20	Reed Organ
190	0	40	20	Puff Organ
191	0	0	21	Accordion
192	0	0	22	Hamonica
193	0	32	22	Harmonica 2
194	0	0	23	Tango Accordion
195	0	64	23	Tango Accordion 2
GUITAR				
196	0	0	24	Nylon Guitar
197	0	96	24	Ukulele
198	0	0	25	Steel Guitar
199	0	35	25	12-string Guitar
200	0	40	25	Nylon & Steel Guitar
201	0	41	25	Steel Guitar with Body Sound
202	0	96	25	Mandolin
203	0	0	26	Jazz Guitar
204	0	32	26	Jazz Amp
205	0	0	27	Clean Guitar
206	0	32	27	Chorus Guitar

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
207	0	0	28	Muted Guitar
208	0	40	28	Funk Guitar 1
209	0	41	28	Muted Steel Guitar
210	0	45	28	Jazz Man
211	0	0	29	Overdriven Guitar
212	0	43	29	Guitar Pinch
213	0	0	30	Distortion Guitar
214	0	40	30	Feedback Guitar
215	0	41	30	Feedback Guitar 2
216	0	0	31	Guitar Harmonics
217	0	65	31	Guitar Feedback
218	0	66	31	Guitar Harmonics 2
BASS				
219	0	0	32	Acoustic Bass
220	0	40	32	Jazz Rhythm
221	0	45	32	Velocity Crossfade Upright Bass
222	0	0	33	Finger Bass
223	0	18	33	Finger Dark
224	0	40	33	Bass & Distorted Electric Guitar
225	0	43	33	Finger Slap Bass
226	0	45	33	Finger Bass 2
227	0	65	33	Modulated Bass
228	0	0	34	Pick Bass
229	0	28	34	Muted Pick Bass
230	0	0	35	Fretless Bass
231	0	32	35	Fretless Bass 2
232	0	33	35	Fretless Bass 3
233	0	34	35	Fretless Bass 4
234	0	0	36	Slap Bass 1
235	0	32	36	Punch Thumb Bass
236	0	0	37	Slap Bass 2
237	0	43	37	Velocity Switch Slap
238	0	0	38	Synth Bass 1
239	0	40	38	Techno Synth Bass
240	0	0	39	Synth Bass 2
241	0	6	39	Mellow Synth Bass
242	0	12	39	Sequenced Bass
243	0	18	39	Click Synth Bass
244	0	19	39	Synth Bass 2 Dark
245	0	40	39	Modular Synth Bass
246	0	41	39	DX Bass
STRING				
247	0	0	40	Violin
248	0	8	40	Slow Violin
249	0	0	41	Viola
250	0	0	42	Cello
251	0	0	43	Contrabass
252	0	0	44	Tremolo Strings
253	0	8	44	Slow Tremolo Strings
254	0	40	44	Suspense Strings
255	0	0	45	Pizzicato Strings
256	0	0	46	Orchestral Harp
257	0	40	46	Yang Chin
258	0	0	47	Timpani
ENSEMBLE				
259	0	0	48	Strings 1
260	0	3	48	Stereo Strings
261	0	8	48	Slow Strings
262	0	35	48	60's Strings
263	0	40	48	Orchestra
264	0	41	48	Orchestra 2
265	0	42	48	Tremolo Orchestra
266	0	45	48	Velocity Strings
267	0	0	49	Strings 2
268	0	3	49	Stereo Slow Strings
269	0	8	49	Legato Strings

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
270	0	40	49	Warm Strings
271	0	41	49	Kingdom
272	0	0	50	Synth Strings 1
273	0	0	51	Synth Strings 2
274	0	0	52	Choir Aahs
275	0	3	52	Stereo Choir
276	0	32	52	Mellow Choir
277	0	40	52	Choir Strings
278	0	0	53	Voice Oohs
279	0	0	54	Synth Voice
280	0	40	54	Synth Voice 2
281	0	41	54	Choral
282	0	64	54	Analog Voice
283	0	0	55	Orchestra Hit
284	0	35	55	Orchestra Hit 2
285	0	64	55	Impact
BRASS				
286	0	0	56	Trumpet
287	0	32	56	Warm Trumpet
288	0	0	57	Trombone
289	0	18	57	Trombone 2
290	0	0	58	Tuba
291	0	0	59	Muted Trumpet
292	0	0	60	French Horn
293	0	6	60	French Horn Solo
294	0	32	60	French Horn 2
295	0	37	60	Horn Orchestra
296	0	0	61	Brass Section
297	0	35	61	Trumpet & Trombone Section
298	0	0	62	Synth Brass 1
299	0	20	62	Resonant Synth Brass
300	0	0	63	Synth Brass 2
301	0	18	63	Soft Brass
302	0	41	63	Choir Brass
REED				
303	0	0	64	Soprano Sax
304	0	0	65	Alto Sax
305	0	40	65	Sax Section
306	0	0	66	Tenor Sax
307	0	40	66	Breathy Tenor Sax
308	0	0	67	Baritone Sax
309	0	0	68	Oboe
310	0	0	69	English Horn
311	0	0	70	Bassoon
312	0	0	71	Clarinet
PIPE				
313	0	0	72	Piccolo
314	0	0	73	Flute
315	0	0	74	Recorder
316	0	0	75	Pan Flute
317	0	0	76	Blown Bottle
318	0	0	77	Shakuhachi
319	0	0	78	Whistle
320	0	0	79	Ocarina
SYNTH LEAD				
321	0	0	80	Square Lead
322	0	6	80	Square Lead 2
323	0	8	80	LM Square
324	0	18	80	Hollow
325	0	19	80	Shroud
326	0	64	80	Mellow
327	0	65	80	Solo Sine
328	0	66	80	Sine Lead
329	0	0	81	Sawtooth Lead
330	0	6	81	Sawtooth Lead 2
331	0	8	81	Thick Sawtooth

Voice List

Voice No.	Bank Select MSB	Bank Select LSB	MIDI Program Change#	Voice Name
332	0	18	81	Dynamic Sawtooth
333	0	19	81	Digital Sawtooth
334	0	20	81	Big Lead
335	0	96	81	Sequenced Analog
336	0	0	82	Calliope Lead
337	0	65	82	Pure Pad
338	0	0	83	Chiff Lead
339	0	0	84	Charang Lead
340	0	64	84	Distorted Lead
341	0	0	85	Voice Lead
342	0	0	86	Fifths Lead
343	0	35	86	Big Five
344	0	0	87	Bass & Lead
345	0	16	87	Big & Low
346	0	64	87	Fat & Perky
347	0	65	87	Soft Whirl
SYNTH PAD				
348	0	0	88	New Age Pad
349	0	64	88	Fantasy
350	0	0	89	Warm Pad
351	0	0	90	Poly Synth Pad
352	0	0	91	Choir Pad
353	0	66	91	Itopia
354	0	0	92	Bowed Pad
355	0	0	93	Metallic Pad
356	0	0	94	Halo Pad
357	0	0	95	Sweep Pad
SYNTH EFFECTS				
358	0	0	96	Rain
359	0	65	96	African Wind
360	0	66	96	Carib
361	0	0	97	Sound Track
362	0	27	97	Prologue
363	0	0	98	Crystal
364	0	12	98	Synth Drum Comp
365	0	14	98	Popcorn
366	0	18	98	Tiny Bells
367	0	35	98	Round Glockenspiel
368	0	40	98	Glockenspiel Chimes
369	0	41	98	Clear Bells
370	0	42	98	Chorus Bells
371	0	65	98	Soft Crystal
372	0	70	98	Air Bells
373	0	71	98	Bell Harp
374	0	72	98	Gamelimba
375	0	0	99	Atmosphere
376	0	18	99	Warm Atmosphere
377	0	19	99	Hollow Release
378	0	40	99	Nylon Electric Piano
379	0	64	99	Nylon Harp
380	0	65	99	Harp Vox
381	0	66	99	Atmosphere Pad
382	0	0	100	Brightness
383	0	0	101	Goblins
384	0	64	101	Goblins Synth
385	0	65	101	Creeper
386	0	67	101	Ritual
387	0	68	101	To Heaven
388	0	70	101	Night
389	0	71	101	Glisten
390	0	96	101	Bell Choir
391	0	0	102	Echoes
392	0	0	103	Sci-Fi
WORLD				
393	0	0	104	Sitar
394	0	32	104	Detuned Sitar

Voice No.	Bank Select MSB	Bank Select LSB	MIDI Program Change#	Voice Name
395	0	35	104	Sitar 2
396	0	97	104	Tamboura
397	0	0	105	Banjo
398	0	28	105	Muted Banjo
399	0	96	105	Rabab
400	0	97	105	Gopichant
401	0	98	105	Oud
402	0	0	106	Shamisen
403	0	0	107	Koto
404	0	96	107	Taisho-kin
405	0	97	107	Kanoon
406	0	0	108	Kalimba
407	0	0	109	Bagpipe
408	0	0	110	Fiddle
409	0	0	111	Shanai
PERCUSSIVE				
410	0	0	112	Tinkle Bell
411	0	96	112	Bonang
412	0	97	112	Altair
413	0	98	112	Gamelan Gongs
414	0	99	112	Stereo Gamelan Gongs
415	0	100	112	Rama Cymbal
416	0	0	113	Agogo
417	0	0	114	Steel Drums
418	0	97	114	Glass Percussion
419	0	98	114	Thai Bells
420	0	0	115	Woodblock
421	0	96	115	Castanets
422	0	0	116	Taiko Drum
423	0	96	116	Gran Cassa
424	0	0	117	Melodic Tom
425	0	64	117	Melodic Tom 2
426	0	65	117	Real Tom
427	0	66	117	Rock Tom
428	0	0	118	Synth Drum
429	0	64	118	Analog Tom
430	0	65	118	Electronic Percussion
431	0	0	119	Reverse Cymbal
SOUND EFFECTS				
432	0	0	120	Fret Noise
433	0	0	121	Breath Noise
434	0	0	122	Seashore
435	0	0	123	Bird Tweet
436	0	0	124	Telephone Ring
437	0	0	125	Helicopter
438	0	0	126	Applause
439	0	0	127	Gunshot
440	64	0	0	Cutting Noise
441	64	0	1	Cutting Noise 2
442	64	0	3	String Slap
443	64	0	16	Flute Key Click
444	64	0	32	Shower
445	64	0	33	Thunder
446	64	0	34	Wind
447	64	0	35	Stream
448	64	0	36	Bubble
449	64	0	37	Feed
450	64	0	48	Dog
451	64	0	49	Horse
452	64	0	50	Bird Tweet 2
453	64	0	55	Maou
454	64	0	64	Phone Call
455	64	0	65	Door Squeak
456	64	0	66	Door Slam
457	64	0	67	Scratch Cut
458	64	0	68	Scratch Split

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
459	64	0	69	Wind Chime
460	64	0	70	Telephone Ring 2
461	64	0	80	Car Engine Ignition
462	64	0	81	Car Tires Squeal
463	64	0	82	Car Passing
464	64	0	83	Car Crash
465	64	0	84	Siren
466	64	0	85	Train
467	64	0	86	Jet Plane
468	64	0	87	Starship
469	64	0	88	Burst

Voice No.	Bank Select		MIDI Program Change#	Voice Name
	MSB	LSB		
470	64	0	89	Roller Coaster
471	64	0	90	Submarine
472	64	0	96	Laugh
473	64	0	97	Scream
474	64	0	98	Punch
475	64	0	99	Heartbeat
476	64	0	100	Footsteps
477	64	0	112	Machine Gun
478	64	0	113	Laser Gun
479	64	0	114	Explosion
480	64	0	115	Firework

Style List

Style No.	Style Name
8BEAT	
001	8BeatModern
002	60'sGtrPop
003	8BeatAdria
004	60's8Beat
005	8Beat
006	OffBeat
007	60'sRock
008	HardRock
009	RockShuffle
010	8BeatRock
16BEAT	
011	16Beat
012	PopShuffle
013	GuitarPop
014	16BtUptempo
015	KoolShuffle
016	HipHopLight
BALLAD	
017	PianoBallad
018	LoveSong
019	6/8ModernEP
020	6/8SlowRock
021	OrganBallad
022	PopBallad
023	16BeatBallad
DANCE	
024	EuroTrance
025	Ibiza
026	SwingHouse
027	Clubdance
028	ClubLatin
029	Garage1
030	Garage2
031	TechnoParty
032	UKPop
033	HipHopGroove
034	HipShuffle
035	HipHopPop

Style No.	Style Name
DISCO	
036	70'sDisco
037	LatinDisco
038	SaturdayNight
039	DiscoHands
SWING & JAZZ	
040	BigBandFast
041	BigBandBallad
042	JazzClub
043	Swing1
044	Swing2
045	Five/Four
046	Dixieland
047	Ragtime
R & B	
048	Soul
049	DetroitPop
050	6/8Soul
051	CrocoTwist
052	Rock&Roll
053	ComboBoogie
054	6/8Blues
COUNTRY	
055	CountryPop
056	CountrySwing
057	Country2/4
058	Bluegrass
LATIN	
059	BrazilianSamba
060	BossaNova
061	Tijuana
062	DiscoLatin
063	Mambo
064	Salsa
065	Beguine
066	Reggae
BALLROOM	
067	VienneseWaltz
068	EnglishWaltz

Style No.	Style Name
069	Slowfox
070	Foxtrot
071	Quickstep
072	Tango
073	Pasodoble
074	Samba
075	ChaChaCha
076	Rumba
077	Jive
TRADITIONAL	
078	USMarch
079	6/8March
080	GermanMarch
081	PolkaPop
082	OberPolka
083	Tarantella
084	Showtune
085	ChristmasSwing
086	ChristmasWaltz
087	ScottishReel
WALTZ	
088	SwingWaltz
089	JazzWaltz
090	CountryWaltz
091	OberWalzer
092	Musette
PIANIST	
093	Stride
094	PianoSwing
095	Arpeggio
096	Habanera
097	SlowRock
098	8BeatPianoBallad
099	6/8PianoMarch
100	PianoWaltz

- " ⬜ " indicates that the drum sound is the same as "Standard Kit 1".
- Each percussion voice uses one note.
- The MIDI Note # and Note are actually one octave lower than keyboard Note # and Note. For example, in "109: Standard Kit 1", the "Seq Click H" (Note# 36/Note C1) corresponds to (Note# 24/Note C0).
- Key Off: Keys marked "O" stop sounding the instant they are released.
- Voices with the same Alternate Note Number (*1 – 4) cannot be played simultaneously. (They are designed to be played alternately with each other.)

Voice No.						109	110	111	112	113	114
MSB/LSB/PC						127/000/000	127/000/001	127/000/008	127/000/016	127/000/024	127/000/025
Keyboard		MIDI		Key Off	Alternate assign	Standard Kit 1	Standard Kit 2	Room Kit	Rock Kit	Electronic Kit	Analog Kit
Note#	Note	Note#	Note								
25	C# 0	13	C# -1		3	Surdo Mute					
26	D 0	14	D -1		3	Surdo Open					
27	D# 0	15	D# -1			Hi Q					
28	E 0	16	E -1			Whip Slap					
29	F 0	17	F -1		4	Scratch Push					
30	F# 0	18	F# -1		4	Scratch Pull					
31	G 0	19	G -1			Finger Snap					
32	G# 0	20	G# -1			Click Noise					
33	A 0	21	A -1			Metronome Click					
34	A# 0	22	A# -1			Metronome Bell					
35	B 0	23	B -1			Seq Click L					
36	C 1	24	C 0			Seq Click H					
37	C# 1	25	C# 0			Brush Tap					
38	D 1	26	D 0	O		Brush Swirl					
39	D# 1	27	D# 0			Brush Slap					
40	E 1	28	E 0	O		Brush Tap Swirl				Reverse Cymbal	Reverse Cymbal
41	F 1	29	F 0	O		Snare Roll					
42	F# 1	30	F# 0			Castanet				Hi Q 2	Hi Q 2
43	G 1	31	G 0			Snare H Soft	Snare H Soft 2		SD Rock H	Snare L	SD Rock H
44	G# 1	32	G# 0			Sticks					
45	A 1	33	A 0			Bass Drum Soft				Bass Drum H	Bass Drum H
46	A# 1	34	A# 0			Open Rim Shot	Open Rim Shot 2				
47	B 1	35	B 0			Bass Drum Hard			Bass Drum H	BD Rock	BD Analog L
48	C 2	36	C 1			Bass Drum	Bass Drum 2		BD Rock	BD Gate	BD Analog H
49	C# 2	37	C# 1			Side Stick					Analog Side Stick
50	D 2	38	D 1			Snare M	Snare M 2	SD Room L	SD Rock L	SD Rock L	Analog Snare 1
51	D# 2	39	D# 1			Hand Clap					
52	E 2	40	E 1			Snare H Hard	Snare H Hard 2	SD Room H	SD Rock Rim	SD Rock H	Analog Snare 2
53	F 2	41	F 1			Floor Tom L		Room Tom 1	Rock Tom 1	E Tom 1	Analog Tom 1
54	F# 2	42	F# 1		1	Hi-Hat Closed					Analog HH Closed 1
55	G 2	43	G 1			Floor Tom H		Room Tom 2	Rock Tom 2	E Tom 2	Analog Tom 2
56	G# 2	44	G# 1		1	Hi-Hat Pedal					Analog HH Closed 2
57	A 2	45	A 1			Low Tom		Room Tom 3	Rock Tom 3	E Tom 3	Analog Tom 3
58	A# 2	46	A# 1		1	Hi-Hat Open					Analog HH Open
59	B 2	47	B 1			Mid Tom L		Room Tom 4	Rock Tom 4	E Tom 4	Analog Tom 4
60	C 3	48	C 2			Mid Tom H		Room Tom 5	Rock Tom 5	E Tom 5	Analog Tom 5
61	C# 3	49	C# 2			Crash Cymbal 1					Analog Cymbal
62	D 3	50	D 2			High Tom		Room Tom 6	Rock Tom 6	E Tom 6	Analog Tom 6
63	D# 3	51	D# 2			Ride Cymbal 1					
64	E 3	52	E 2			Chinese Cymbal					
65	F 3	53	F 2			Ride Cymbal Cup					
66	F# 3	54	F# 2			Tambourine					
67	G 3	55	G 2			Splash Cymbal					
68	G# 3	56	G# 2			Cowbell					Analog Cowbell
69	A 3	57	A 2			Crash Cymbal 2					
70	A# 3	58	A# 2			Vibraslap					
71	B 3	59	B 2			Ride Cymbal 2					
72	C 4	60	C 3			Bongo H					
73	C# 4	61	C# 3			Bongo L					
74	D 4	62	D 3			Conga H Mute					Analog Conga H
75	D# 4	63	D# 3			Conga H Open					Analog Conga M
76	E 4	64	E 3			Conga L					Analog Conga L
77	F 4	65	F 3			Timbale H					
78	F# 4	66	F# 3			Timbale L					
79	G 4	67	G 3			Agogo H					
80	G# 4	68	G# 3			Agogo L					
81	A 4	69	A 3			Cabasa					
82	A# 4	70	A# 3			Maracas					Analog Maracas
83	B 4	71	B 3	O		Samba Whistle H					
84	C 5	72	C 4	O		Samba Whistle L					
85	C# 5	73	C# 4			Guiro Short					
86	D 5	74	D 4	O		Guiro Long					
87	D# 5	75	D# 4			Claves					Analog Claves
88	E 5	76	E 4			Wood Block H					
89	F 5	77	F 4			Wood Block L					
90	F# 5	78	F# 4			Cuica Mute				Scratch Push	Scratch Push
91	G 5	79	G 4			Cuica Open				Scratch Pull	Scratch Pull
92	G# 5	80	G# 4		2	Triangle Mute					
93	A 5	81	A 4		2	Triangle Open					
94	A# 5	82	A# 4			Shaker					
95	B 5	83	B 4			Jingle Bell					
96	C 6	84	C 5			Bell Tree					
97	C# 6	85	C# 5								
98	D 6	86	D 5								
99	D# 6	87	D# 5								
100	E 6	88	E 5								
101	F 6	89	F 5								
102	F# 6	90	F# 5								
103	G 6	91	G 5								

Voice No.					109	115	116	117	118	119	120
MSB/LSB/PC					127/000/000	127/000/027	127/000/032	127/000/040	127/000/048	126/000/000	126/000/001
Keyboard		MIDI		Key Off	Alternate assign	Standard Kit 1	Dance Kit	Jazz Kit	Brush Kit	Symphony Kit	SFX Kit 1	SFX Kit 2
Note#	Note	Note#	Note									
25	C# 0	13	C# -1		3	Surdo Mute						
26	D 0	14	D -1		3	Surdo Open						
27	D# 0	15	D# -1			Hi Q						
28	E 0	16	E -1			Whip Slap						
29	F 0	17	F -1		4	Scratch Push						
30	F# 0	18	F# -1		4	Scratch Pull						
31	G 0	19	G -1			Finger Snap						
32	G# 0	20	G# -1			Click Noise						
33	A 0	21	A -1			Metronome Click						
34	A# 0	22	A# -1			Metronome Bell						
35	B 0	23	B -1			Seq Click L						
36	C 1	24	C 0			Seq Click H						
37	C# 1	25	C# 0			Brush Tap						
38	D 1	26	D 0	O		Brush Swirl						
39	D# 1	27	D# 0			Brush Slap						
40	E 1	28	E 0	O		Brush Tap Swirl	Reverse Cymbal					
41	F 1	29	F 0	O		Snare Roll						
42	F# 1	30	F# 0			Castanet	Hi Q 2					
43	G 1	31	G 0			Snare H Soft	AnSD Snappy	SD Jazz H Light	Brush Slap L			
44	G# 1	32	G# 0			Sticks						
45	A 1	33	A 0			Bass Drum Soft	AnBD Dance-1			Bass Drum L		
46	A# 1	34	A# 0			Open Rim Shot	AnSD OpenRim					
47	B 1	35	B 0			Bass Drum Hard	AnBD Dance-2			Gran Cassa		
48	C 2	36	C 1			Bass Drum	AnBD Dance-3	BD Jazz	BD Jazz	Gran Cassa Mute	Cutting Noise	Phone Call
49	C# 2	37	C# 1			Side Stick	Analog Side Stick				Cutting Noise 2	Door Squeak
50	D 2	38	D 1			Snare M	AnSD Q	SD Jazz L	Brush Slap	Marching Sn M		Door Slam
51	D# 2	39	D# 1			Hand Clap					String Slap	Scratch Cut
52	E 2	40	E 1			Snare H Hard	AnSD Ana+Acoustic	SD Jazz M	Brush Tap	Marching Sn H		Scratch
53	F 2	41	F 1			Floor Tom L	Analog Tom 1	Jazz Tom 1	Brush Tom 1	Jazz Tom 1		Wind Chime
54	F# 2	42	F# 1		1	Hi-Hat Closed	Analog HH Closed 3					Telephone Ring 2
55	G 2	43	G 1			Floor Tom H	Analog Tom 2	Jazz Tom 2	Brush Tom 2	Jazz Tom 2		
56	G# 2	44	G# 1		1	Hi-Hat Pedal	Analog HH Closed 4					
57	A 2	45	A 1			Low Tom	Analog Tom 3	Jazz Tom 3	Brush Tom 3	Jazz Tom 3		
58	A# 2	46	A# 1		1	Hi-Hat Open	Analog HH Open 2					
59	B 2	47	B 1			Mid Tom L	Analog Tom 4	Jazz Tom 4	Brush Tom 4	Jazz Tom 4		
60	C 3	48	C 2			Mid Tom H	Analog Tom 5	Jazz Tom 5	Brush Tom 5	Jazz Tom 5		
61	C# 3	49	C# 2			Crash Cymbal 1	Analog Cymbal			Hand Cym. L		
62	D 3	50	D 2			High Tom	Analog Tom 6	Jazz Tom 6	Brush Tom 6	Jazz Tom 6		
63	D# 3	51	D# 2			Ride Cymbal 1				Hand Cym.Short L		
64	E 3	52	E 2			Chinese Cymbal					Flute Key Click	Car Engine Ignition
65	F 3	53	F 2			Ride Cymbal Cup						Car Tires Squeal
66	F# 3	54	F# 2			Tambourine						Car Passing
67	G 3	55	G 2			Splash Cymbal						Car Crash
68	G# 3	56	G# 2			Cowbell	Analog Cowbell					Siren
69	A 3	57	A 2			Crash Cymbal 2				Hand Cym. H		Train
70	A# 3	58	A# 2			Vibraslap						Jet Plane
71	B 3	59	B 2			Ride Cymbal 2				Hand Cym.Short H		Starship
72	C 4	60	C 3			Bongo H						Burst
73	C# 4	61	C# 3			Bongo L						Roller Coaster
74	D 4	62	D 3			Conga H Mute	Analog Conga H					Submarine
75	D# 4	63	D# 3			Conga H Open	Analog Conga M					
76	E 4	64	E 3			Conga L	Analog Conga L					
77	F 4	65	F 3			Timbale H						
78	F# 4	66	F# 3			Timbale L						
79	G 4	67	G 3			Agogo H						
80	G# 4	68	G# 3			Agogo L					Shower	Laugh
81	A 4	69	A 3			Cabasa					Thunder	Scream
82	A# 4	70	A# 3			Maracas	Analog Maracas				Wind	Punch
83	B 4	71	B 3	O		Samba Whistle H					Stream	Heartbeat
84	C 5	72	C 4	O		Samba Whistle L					Bubble	FootSteps
85	C# 5	73	C# 4			Guiro Short					Feed	
86	D 5	74	D 4	O		Guiro Long						
87	D# 5	75	D# 4			Claves	Analog Claves					
88	E 5	76	E 4			Wood Block H						
89	F 5	77	F 4			Wood Block L						
90	F# 5	78	F# 4			Cuica Mute	Scratch Push					
91	G 5	79	G 4			Cuica Open	Scratch Pull					
92	G# 5	80	G# 4		2	Triangle Mute						
93	A 5	81	A 4		2	Triangle Open						
94	A# 5	82	A# 4			Shaker						
95	B 5	83	B 4			Jingle Bell						
96	C 6	84	C 5			Bell Tree					Dog	Machine Gun
97	C# 6	85	C# 5								Horse	Laser Gun
98	D 6	86	D 5								Bird Tweet 2	Explosion
99	D# 6	87	D# 5									Firework
100	E 6	88	E 5									
101	F 6	89	F 5									
102	F# 6	90	F# 5									
103	G 6	91	G 5								Maou	

MIDI Implementation Chart

Function...	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 - 16 x	1 - 16 *1 x	
Default Mode Messages Altered	3 x **************	3 x x	
Note Number : True voice	0 - 127 **************	0 - 127 0 - 127	
Velocity Note ON Note OFF	o 9nH,v=1-127 o 9nH,v=0	o 9nH,v=1-127 o 9nH,v=0 or 8nH	
After Key's Touch Ch's	x x	x x	
Pitch Bend	x *2	o	

0,32
           1
           6
         38
          7
         10
Control 11
         64
Change   71
         72
         73
         74
         84
    91,93
       94
   96,97
  100,101
	o
	x *2
	x *2
	x
	o
	o
	x *2
	o
	x *2
	o *2
	x *2
	x *2
	x *2
	o
	x *2
	x
	x *2
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		o
		o
		o
			Bank Select
			Modulation wheel
			Data Entry(MSB)
			Data Entry(LSB)
			Part Volume
			Pan
			Expression
			Sustain
			Harmonic Content
			Release Time
			Attack Time
			Brightness
			Portamento Cntrl
			Effect 1,3 Depth
			Effect 4 Depth
			RPN Inc,Dec
			RPN LSB,MSB

Prog Change : True #	o 0 - 127 **************	o 0 - 127	
System Exclusive	o *3	o *3	
: Song Pos. Common : Song Sel. : Tune	x x x	x x x	
System :Clock Real Time:Commands	o o *4	o o *4	

Aux :All Sound OFF
     :Reset All Cntrls
     :Local ON/OFF
     :All Notes OFF
Mes- :Active Sense
sages:Reset
	o
	x
	x
	x
	o
	x
		o(120,126,127)
		o(121)
		o(122) *5
		o(123-125)
		o
		x	

Mode 1 : OMNI ON , POLY   Mode 2 : OMNI ON ,MONO   o : Yes
Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF,MONO   x : No

NOTE:

*1 By default (factory settings) the PSR-275/273 ordinarily functions as a 16-channel multi-timbral tone generator, and incoming data does not affect the panel voices or panel settings. However, the MIDI messages listed below do affect the panel voices, auto accompaniment, and songs.
  • MIDI Master Tuning
  • System exclusive messages for changing the Reverb Type and Chorus Type.

*2 Messages for these control change numbers cannot be transmitted from the PSR-275/273 itself. However, they may be transmitted when playing the accompaniment, song or using the Harmony effect.

*3 Exclusive
  <GM System ON> F0H, 7EH, 7FH, 09H, 01H, F7H
  • This message automatically restores all default settings for the instrument, with the exception of MIDI Master Tuning.

  <MIDI Master Volume> F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
  • This message allows the volume of all channels to be changed simultaneously (Universal System Exclusive).
  • The values of "mm" is used for MIDI Master Tuning. (Values for "ll" are ignored.)

  <MIDI Master Tuning> F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
  • This message simultaneously changes the tuning value of all channels.
  • The values of "mm" and "ll" are used for MIDI Master Tuning.
  • The default value of "mm" and "ll" are 08H and 00H, respectively. Any values can be used for "n" and "cc."

<Reverb Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 00H, mmH, llH, F7H
  • mm : Reverb Type MSB
  • ll : Reverb Type LSB
Refer to the Effect Map (page 69) for details.

<Chorus Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 20H, mmH, llH, F7H
  • mm : Chorus Type MSB
  • ll : Chorus Type LSB
Refer to the Effect Map (page 69) for details.

*4 When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted. When the clock is set to External, both FAH (accompaniment start) and FCH (accompaniment stop) are recognized.

*5 Local ON/OFF
  <Local ON> Bn, 7A, 7F
  <Local OFF> Bn, 7A, 00
  Value for "n" is ignored.

■ Effect map

* If the received value does not contain an effect type in the TYPE LSB, the LSB will be directed to TYPE 0.
* The numbers in parentheses in front of the Effect Type names correspond to the number indicated in the display.
* By using an external sequencer, which is capable of editing and transmitting the system exclusive messages and parameter changes, you can select the Reverb and Chorus effect types which are not accessible from the PSR-275/273 panel itself. When one of the effects is selected by the external sequencer, " - " will be shown on the display.

● REVERB

TYPE MSB	TYPE LSB								
	00	01	02	08	16	17	18	19	20
000	No Effect								
001	(1)Hall1				(2)Hall2	(3)Hall3			
002	Room					(4)Room1		(5)Room2	
003	Stage				(6)Stage1	(7)Stage2			
004	Plate				(8)Plate1	(9)Plate2			
005 – 127	No Effect								

● CHORUS

TYPE MSB	TYPE LSB								
	00	01	02	08	16	17	18	19	20
000 – 063	No Effect								
064	Thru								
065	Chorus		(2)Chorus2						
066	Celeste					(1)Chorus1			
067	Flanger			(3)Flanger1		(4)Flanger2			
068 – 127	No Effect								

Troubleshooting

Problem	Possible Cause and Solution
When the PSR-275/273 is turned on or off, a popping sound is temporarily produced.	This is normal and indicates that the PSR-275/273 is receiving electrical power.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the PSR-275/273 may produce interference. To prevent this, turn off the mobile phone or use it further away from the PSR-275/273.
There is no sound even when the keyboard is played or when a song is being played back.	Check that nothing is connected to the PHONES/OUTPUT jack on the rear panel. When a set of headphones is plugged into this jack, no sound is output.
	Check the Local Control on/off or PC Mode on/off. (See page 57, 58.)
Playing keys in the right hand area of the keyboard does not produce any sound.	When using the Dictionary function (page 42), the keys in the right hand area are used only for entering the chord root and type.
The sound of the voices or rhythms seems unusual or strange.	The battery power is too low. Replace the batteries. (See page 10.)
The auto accompaniment doesn't turn on, even when pressing the [ACMP ON/OFF] button.	Make sure the Style mode is active before using the auto accompaniment. Press the [STYLE] button to enable style operations.
The style or song does not play back even when pressing the [START/STOP] button.	Check the External Clock on/off. (See page 57.)
The style or song does not sound properly.	Make sure that the Style Volume or Song Volume (page 39) is set to an appropriate level.
When playing back one of the Pianist styles (#93 - #100), the rhythm cannot be heard.	This is normal. The Pianist styles have no drums or bass — only piano accompaniment. The accompaniment of the style can only be heard when accompaniment is set to ON and keys are played in the auto accompaniment area of the keyboard.
Not all of the voices seem to sound, or the sound seems to be cut off.	The PSR-275/273 is polyphonic up to a maximum of 32 notes. If the Dual voice or Split voice is being used and a style or song is playing back at the same time, some notes/sounds may be omitted (or "stolen") from the accompaniment or song.
A strange "flanging" or "doubling" sound occurs when using the PSR-275/273 with a sequencer. (This may also sound like a "dual" layered sound of two voices, even when Dual is turned off.)	When using the style with a sequencer, set MIDI Echo (or the relevant control) to "off." (Refer to the owner's manual of your particular device and/or software for details.)
The footswitch (for sustain) seems to produce the opposite effect. For example, pressing the footswitch cuts off the sound and releasing it sustains the sounds.	The polarity of the footswitch is reversed. Make sure that the footswitch plug is properly connected to the SUSTAIN jack before turning on the power.
The sound of the voice changes from note to note.	The AWM tone generation method uses multiple recordings (samples) of an instrument across the range of the keyboard; thus, the actual sound of the voice may be slightly different from note to note.

Specifications

Keyboards
- 61 standard-size keys (C1 - C6), with Touch Response.

Display
- Large multi-function LCD display (backlit)

Setup
- STANDBY/ON
- MASTER VOLUME : MIN - MAX

Panel Controls
- SONG, VOICE, STYLE, Dict., PC, LESSON L, R, METRONOME, PORTABLE GRAND, DEMO, FUNCTION, TOUCH, HARMONY, DUAL, SPLIT, SUSTAIN, TEMPO/TAP, [0]-[9], [+](YES), [–](NO)

Voice
- 108 panel voices + 12 drum kits + 360 XG Lite voices
- Polyphony : 32
- DUAL
- SPLIT

Style
- 100 styles
- Style Control : ACMP ON/OFF, SYNC START, START/STOP, INTRO/ENDING/rit., MAIN/AUTO FILL
- Fingering : Multi fingering
- Style Volume

Yamaha Educational Suite
- Dictionary
- Lesson 1-4

Function
- Overall : Transpose, Tuning, Split Point, Touch Sensitivity
- Volume : Style Volume, Song Volume, Metronome Volume, Metronome Time Signature
- Main Voice : Volume, Octave, Reverb Send Level, Chorus Send Level
- Dual Voice : Voice, Volume, Octave, Reverb Send Level, Chorus Send Level
- Split Voice : Voice, Volume, Octave, Reverb Send Level, Chorus Send Level
- Effect/Harmony : Reverb Type, Chorus Type, Harmony Type, Harmony Volume
- Utility : Local On/Off, External Clock, Initial Setup Send

Effects
- Reverb : 9 types
- Chorus : 4 types
- Harmony : 26 types

Song
- 100 Songs
- Song Volume

MIDI
- Local On/Off
- Initial Setup Send
- External Clock

Auxiliary jacks
- PHONES/OUTPUT, DC IN 10-12V, MIDI IN/OUT, SUSTAIN

Amplifier
- 2.7W + 2.7W

Speakers
- 12cm x 2

Power Consumption (when using PA-3C power adaptor)
- 10 W

Power Supply
- Adaptor : Yamaha PA-3C AC power adaptor
- Batteries : Six "D" size, R20P (LR20) or equivalent batteries

Dimensions (W x D x H)
- 933 x 370 x 129 mm (36-3/4" x 14-5/8" x 5")

Weight
- 5.3 kg (11 lbs. 11 oz.)

Supplied Accessories
- Music Rest
- Owner's Manual
- Song Book

Optional Accessories
- Headphones : HPE-150
- AC power adaptor : PA-3B/3C
- Footswitch : FC4, FC5
- Keyboard stand : L-2C

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* Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

* The colors of the battery compartment cover and the instrument itself may differ depending on the particular model.

Index

Limited Warranty

90 DAYS LABOR   **1 YEAR PARTS**

Yamaha Corporation of America, hereafter referred to as Yamaha, warrants to the original consumer of a product included in the categories listed below, that the product will be free of defects in materials and/or workmanship for the periods indicated. This warranty is applicable to all models included in the following series of products:

PSR SERIES OF PORTATONE ELECTRONIC KEYBOARDS

If during the first 90 days that immediately follows the purchase date, your new Yamaha product covered by this warranty is found to have a defect in material and/or workmanship, Yamaha and/or its authorized representative will repair such defect without charge for parts or labor.

If parts should be required after this 90 day period but within the one year period that immediately follows the purchase date, Yamaha will, subject to the terms of this warranty, supply these parts without charge. However, charges for labor, and/or any miscellaneous expenses incurred are the consumers responsibility. Yamaha reserves the right to utilize reconditioned parts in repairing these products and/or to use reconditioned units as warranty replacements.

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY WHICH YAMAHA MAKES IN CONNECTION WITH THESE PRODUCTS. ANY IMPLIED WARRANTY APPLICABLE TO THE PRODUCT, INCLUDING THE WARRANTY OF MERCHANT ABILITY IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY. YAMAHA EXCLUDES AND SHALL NOT BE LIABLE IN ANY EVENT FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow limitations that relate to implied warranties and/or the exclusion of incidental or consequential damages. Therefore, these limitations and exclusions may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

CONSUMERS RESPONSIBILITIES

If warranty service should be required, it is necessary that the consumer assume certain responsibilities:

1. Contact the Customer Service Department of the retailer selling the product, or any retail outlet authorized by Yamaha to sell the product for assistance. You may also contact Yamaha directly at the address provided below.

2. Deliver the unit to be serviced under warranty to: the retailer selling the product, an authorized service center, or to Yamaha with an explanation of the problem. Please be prepared to provide proof purchase date (sales receipt, credit card copy, etc.) when requesting service and/or parts under warranty.

3. Shipping and/or insurance costs are the consumers responsibility.* Units shipped for service should be packed securely.

    *Repaired units will be returned PREPAID if warranty service is required within the first 90 days.

    IMPORTANT: Do NOT ship anything to ANY location without prior authorization. A Return Authorization (RA) will be issued that has a tracking number assigned that will expedite the servicing of your unit and provide a tracking system if needed.

4. Your owners manual contains important safety and operating instructions. It is your responsibility to be aware of the contents of this manual and to follow all safety precautions.

EXCLUSIONS

This warranty does not apply to units whose trade name, trademark, and/or ID numbers have been altered, defaced, exchanged removed, or to failures and/or damages that may occur as a result of:

1. Neglect, abuse, abnormal strain, modification or exposure to extremes in temperature or humidity.

2. Improper repair or maintenance by any person who is not a service representative of a retail outlet authorized by Yamaha to sell the product, an authorized service center, or an authorized service representative of Yamaha.

3. This warranty is applicable only to units sold by retailers authorized by Yamaha to sell these products in the U.S.A., the District of Columbia, and Puerto Rico. This warranty is not applicable in other possessions or territories of the U.S.A. or in any other country.

Please record the model and serial number of the product you have purchased in the spaces provided below.

Model_____   Serial #_____   Sales Slip #_____

Purchased from_____   Date_____
(Retailer)

YAMAHA CORPORATION OF AMERICA
Electronic Service Division
6600 Orangethorpe Avenue
Buena Park, CA 90620

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For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

Pour plus de détails sur les produits, veuillez-vous adresser à Yamaha ou au distributeur le plus proche de vous figurant dans la liste suivante.

Die Einzelheiten zu Produkten sind bei Ihrer unten aufgeführten Niederlassung und bei Yamaha Vertragshändlern in den jeweiligen Bestimmungsländern erhältlich.

Para detalles sobre productos, contacte su tienda Yamaha más cercana o el distribuidor autorizado que se lista debajo.

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