



PORTATONE

EZ-200

Owner's Manual



61-key



32
Polyphony



EN

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)

OBSERVERA!

Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den är ansluten till vägguttaget, även om själva apparaten har stängts av.

ADVARSEL: Netbspændingen til dette apparat er IKKE afbrudt, så længe netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

VAROITUS: Laitteen toisiopiiriin kytketty käyttökytin 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)

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)

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Daughters

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Fallin'

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Composition Title : Just The Way You Are
Composer's Name : Joel 0273671
Copyright Owner's Name : EMI MUSIC PUBLISHING LTD

CAUTION: All Rights Reserved, Unauthorized copying, public performance and broadcasting are strictly prohibited regarding the above ten demo-songs.

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, PA-130, 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.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- 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 use the instrument/device or headphones 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.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument.

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 appear somewhat different from those on your instrument.

● 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, style files, MIDI files, WAVE data, musical scores 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.**

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● Trademarks

- The company names and product names in this Owner's Manual are the trademarks or registered trademarks of their respective companies.

***Congratulations and thank you for purchasing the Yamaha EZ-200 PortaTone!
Please read this owner's manual carefully before using the instrument in order to take full advantage of its various features.
Make sure to keep this manual in a safe and handy place even after you finish reading, and refer to it often when you need to better understand an operation or function.***

Main features

The EZ-200 is a sophisticated yet easy-to-use keyboard with the following features and functions.

■ Yamaha Education Suite 5 (Y.E.S. 5)

The EZ-200 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!

The Yamaha Education Suite includes:

- **Lesson**..... **page 29**
The convenient and easy-to-use Lesson feature, guides you through the parts of a song—just like a patient teacher! Select from any one of 100 songs on the EZ-200, and learn the left- and right-hand parts independently at first, then together. Lesson features three easy steps that help you master each song: Listen and Learn, Timing and Waiting.
- **Built-in lighted Key Guide**..... **pages 29, 50**
When you are using the Lesson feature or the Dictionary, the key indicators tell you which keys to play. Also, during song playback, they show the keys that are playing.
- **Fingering Guide**..... **page 29**
The Fingering guide is shown on the display and shows you how to play the keyboard.
- **Dictionary**..... **page 50**
Dictionary is a built-in “chord encyclopedia” that teaches you how to play specific chords by showing lighting keyboards—perfect for when you know the name of a chord and want to quickly learn how to play it!
- **Notice your Grade** **page 32**
The EZ-200 also has the Grade feature. Grade is a virtual “teacher,” evaluating your practice sessions and rating your performance over four levels.



■ Portable Grand™..... **page 17**

The EZ-200 also has a Portable Grand function for realistic piano performance with **TOUCH** sensitivity. Pressing the [PORTABLE GRAND] button instantly calls up the authentic “Stereo Sampled Piano” voice and configures the entire EZ-200 for optimum piano play. Special Pianist styles—with piano-only accompaniment—are also provided.

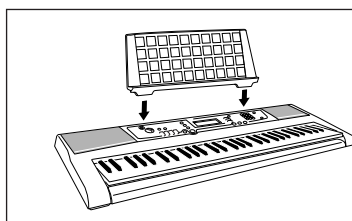
■ XGlite voices..... **page 58**

The EZ-200 has total of 375 high-quality instrument voices (Stereo Grand Piano, 361 XGlite Voices, 12 Drum Kits and Sound Effect Kit) and features 32-note polyphony.

- 100 dynamic auto accompaniment Styles.
- Built-in convenient tap tempo function.
- MIDI terminals for interfacing with other instrument or computer.

Supplied accessories

- Music rest
- Song Book
- Owner's Manual



Music Rest

Insert the bottom edge of the included music rest into the slot located at the top rear of the EZ-200 control panel.

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Be sure to do the following operations **BEFORE** turning on the power.

Power Requirements

Although the instrument 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 power of the instrument is off (display is blank, except for notation staff).

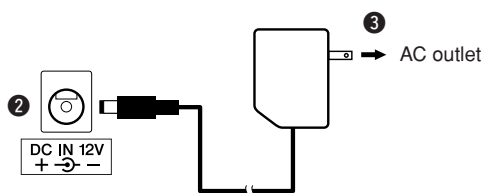
⚠ **WARNING**

- Use the specified adaptor (PA-3C, PA-130, or an equivalent recommended by Yamaha) only. The use of other adaptors may result in irreparable damage to both the adaptor and the instrument.

- 2 Connect the AC adaptor to the power supply jack.
- 3 Plug the AC adaptor into an AC outlet.

⚠ **CAUTION**

- Unplug the AC Power Adaptor when not using the instrument, or during electrical storms.

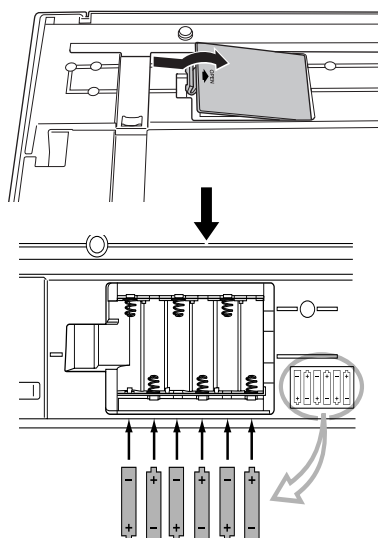


■ Using Batteries

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

⚠ **CAUTION**

- Never connect or disconnect the AC power adaptor when the power is on and the batteries are installed. Doing so will turn the power off.



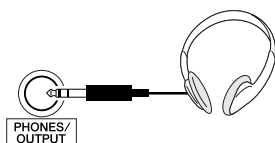
For battery operation the instrument requires six 1.5V "AA" size, LR6 or equivalent batteries. (Alkaline batteries are recommended.) When battery power becomes too low for proper operation, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, make sure to replace all batteries, following the precautions listed below.

⚠ **CAUTION**

- Use alkaline batteries for this instrument. Other types of batteries (including rechargeable batteries) may have sudden drops of power when battery power becomes low.
- Make sure to install the batteries with the proper orientation, maintaining the correct polarity (as shown). Incorrect battery installation may result in heat, fire and/or leaking of corrosive chemicals.
- 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.

Make all necessary connections BEFORE turning the power on.

Connecting headphones (PHONES/OUTPUT Jack)



The EZ-200 speakers are automatically shut off when a plug is inserted into this jack. The PHONES/OUTPUT jack also functions as an external output.

You can connect the PHONES/OUTPUT jack to a keyboard amplifier, stereo system, mixer, tape recorder, or other line-level audio device to send the instrument's output signal to that device.

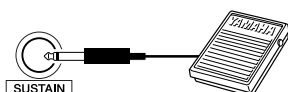
⚠ WARNING

- *Avoid listening with the headphones at high volume for long periods of time; doing so may not only result in ear fatigue, it may be damaging to your hearing.*

⚠ CAUTION

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

Connecting a footswitch (SUSTAIN Jack)

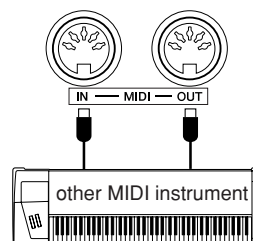


The sustain function lets you produce a natural sustain as you play by pressing an optional footswitch. Plug the Yamaha FC4 or FC5 footswitch into this jack and use it to switch sustain on and off.

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



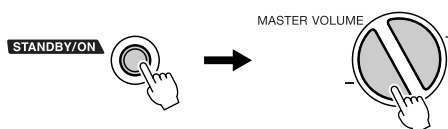
The instrument also features MIDI terminals, allowing you to interface the instrument with other MIDI instruments or computers. (For more information, see page 54.)

NOTE

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

Turn on the power

Press the [STANDBY/ON] switch to turn on the power. Pressing the switch again turns the power off. When you first turn on the power, make sure to turn down the volume of the instrument by pressing the MASTER VOLUME [-] button several times. While playing the keyboard, adjust the volume level by using the MASTER VOLUME [+] and [-] buttons.



All panel settings as well as the settings made via the display are reset to their default values whenever the power is turned off.

⚠ CAUTION

- *When using a power adaptor, even when the power is off, a small amount of electricity is still being consumed by the instrument. When you are not using the instrument for a long time, make sure to unplug the AC power adaptor from the wall AC outlet, and/or remove the batteries from the instrument.*

Panel Controls and Terminals

■ Front Panel

- ① [STANDBY/ON] switch page 9, 26
- ② MASTER VOLUME
 - [+] button pages 9, 26
 - [-] button pages 9, 26
- ③ LESSON PART
 - [L] button page 30
 - [R] button page 30
- ④ [LISTEN & LEARN] button page 31
- ⑤ [TIMING] button page 31
- ⑥ [WAITING] button page 32
- ⑦ [FUNCTION] button pages 52, 27
- ⑧ [SONG] button pages 13, 27
- ⑨ [STYLE] button pages 23, 27
- ⑩ [VOICE] button pages 16, 27
- ⑪ Number buttons [0]–[9], [+], [-] page 27
- ⑫ [DEMO] button page 13
- ⑬ [METRONOME ON/OFF] button page 20

When the Song mode

- ⑭ [A-B REPEAT] button page 35
- ⑮ [REW] button page 14
- ⑯ [FF] button page 14
- ⑰ [PAUSE] button page 14

When the Style mode

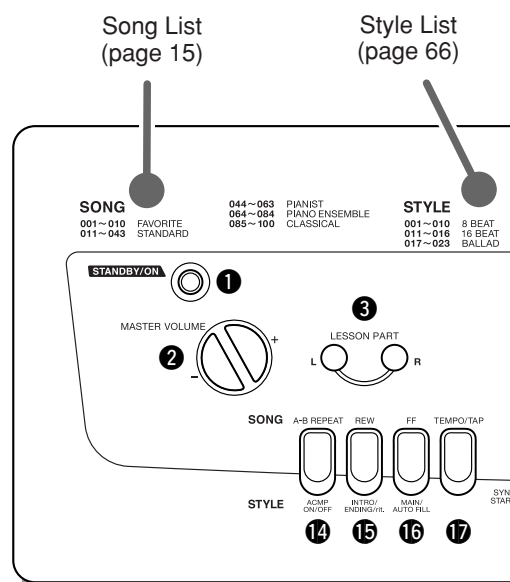
- ⑭ [ACMP ON/OFF] button page 24
- ⑮ [INTRO/ENDING/rit.] button page 45
- ⑯ [MAIN/AUTO FILL] button page 45
- ⑰ [SYNC START] button page 24

- ⑰ [TEMPO/TAP] button page 38
- ⑲ [START/STOP] button page 26
- ⑳ [PORTABLE GRAND] button page 17
- ㉑ [LIGHT ON/OFF] button page 29
- ㉒ [TOUCH ON/OFF] button page 39
- ㉓ DRUM KIT icons page 18

■ Rear Panel

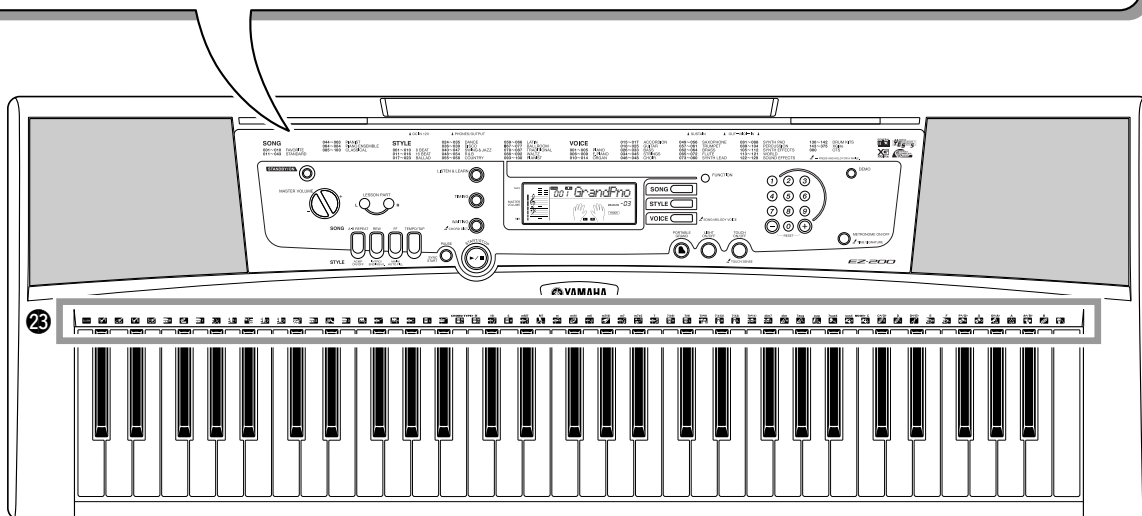
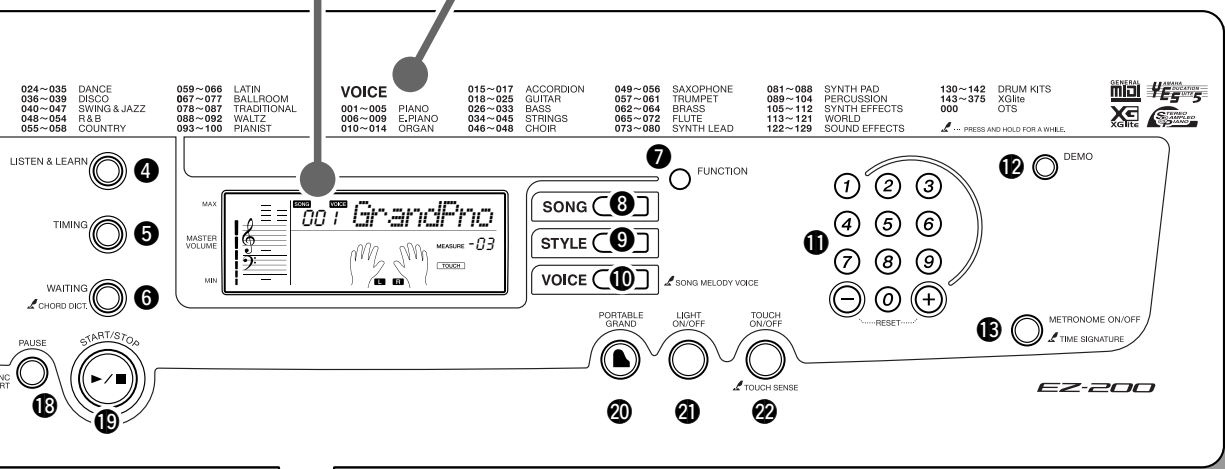
- ㉔ MIDI IN/OUT terminals page 54
- ㉕ SUSTAIN jack page 9
- ㉖ PHONES/OUTPUT jack page 9
- ㉗ DC IN 12V jack page 8

■ Front Panel

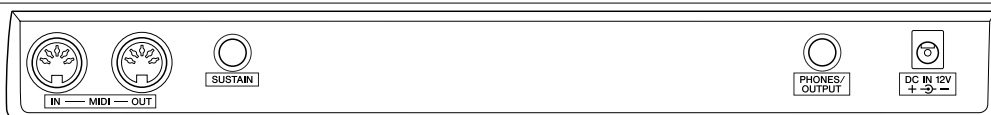


Display (page 28)

Voice List (page 58)



■ Rear Panel



⚠ CAUTION

- *Playing while looking at the lights for a long period of time may cause eyestrain or stiffness in your neck and shoulders. For your health and comfort, we recommend that you take a ten-minute break after every hour of playing.*



— Quick Guide —

Playing the Songs

Turn the power on and adjust the volume

Turning the power on

STANDBY/ON



Press the [STANDBY/ON] switch to turn on the power.
Press the [STANDBY/ON] switch again to turn the power off.

Adjust the volume

When turning the power on, bars appear at the left side in the display to indicate the value of the master volume.



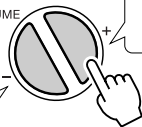
Displays the current volume.

When you first turn on the power, make sure to turn down the volume of the instrument by pressing the MASTER VOLUME [-] button several times. While playing the keyboard, adjust the volume level by using the MASTER VOLUME [+] and [-] buttons.

NOTE

- When the power is turned on, the initial value is automatically set to 12 (indicated by six bars in the display).

MASTER VOLUME



Press the [+] button to increase the volume. Pressing the [+] button twice increases the bar indication in the display by one.

Press the [-] button to lower the volume. Pressing the [-] button twice decreases the bar indication in the display by one.

If you are using the instrument in a quiet place and want a lower volume setting to start with, simultaneously hold down the MASTER VOLUME [-] button and turn on the power with the [STANDBY/ON] switch. This automatically sets the value to 4 (indicated by two bars).

Listen to the Demo Songs

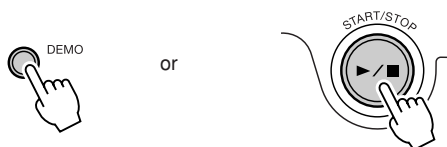
This instrument has 100 built-in Demo Songs.

To listen to the Songs, press the [DEMO] button.

The Songs play back in the Song number order.



Press the [DEMO] or [START/STOP] button again to stop the Song.

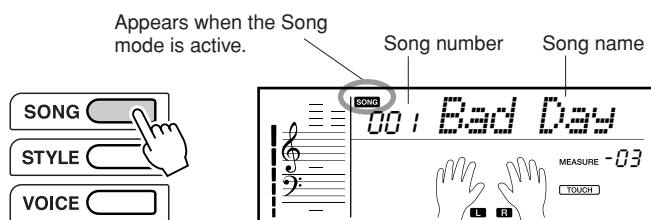


Selecting and listening to a specific Song

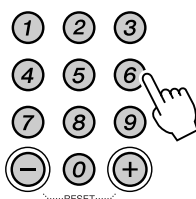
Select the desired song number and play it.

1 Press the [SONG] button.

The Song number and name are displayed.



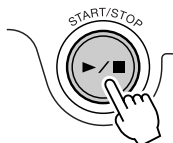
- 2** Select the desired Song by using the number buttons [0]–[9], [+], [−].
Refer to the Song List on page 15.



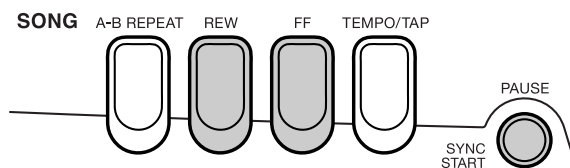
- 3** Press the [START/STOP] button.

The Song will begin playing.

You can stop playback at any time by pressing the [START/STOP] button.



● Other Operations



[REW] button Fast-reverses through the Song if pressed during playback (no sound is heard during fast reverse). Decreases the measure number if pressed while playback is stopped.

[FF] button Fast-forwards through the Song if pressed during playback. Increases the measure number if pressed while playback is stopped.

[PAUSE] button Temporarily stops playback. Press this button a second time to resume playback from the point at which it was stopped.

● Song List

No.	Song Name	No.	Song Name	No.	Song Name
Favorite		035	Londonderry Air (Traditional)	068	Die Schlitzenfahrt K.605-3 (W. A. Mozart)
001	Bad Day (Daniel Powter)	036	When Irish Eyes Are Smiling (E.R. Ball)	069	Ave Verum Corpus (W. A. Mozart)
002	Dancing Queen (Benny Andersson, Bjorn Ulvaeus, Sig Anderson)	037	Muss I Denn (F. Silcher)	070	Piano Sonate op.27-2 "Mondschein" (L.v. Beethoven)
003	Daughters (John Mayer)	038	America The Beautiful (S.A. Ward)	071	Ode to Joy (L.v. Beethoven)
004	Fallin' (Alicia Keys)	039	O Christmas Tree (Traditional)	072	Canon (J. Pachelbel)
005	Hey Jude (John Lennon, Paul McCartney)	040	Jingle Bells (J.S. Pierpont)	073	Air de Toreador "Carmen" (G. Bizet)
006	Linus And Lucy (Vince Guaraldi)	041	Silent Night (F. Gruber)	074	The SurpriseSymphony (F.J. Haydn)
007	Since U Been Gone (Martin Sandberg, Lukasz Gottwald)	042	Deck The Halls (Traditional)	075	Gavotte (F.J. Gossec)
008	You're Beautiful (James Blunt, Sacha Skarbek, Amanda Ghost)	043	Amazing Grace (Traditional)	076	Menuett (J.S. Bach)
009	Your Song (Elton John, Bernie Taupin)	Pianist		077	String Quartet No.17 2nd mov. "Serenade" (F.J. Haydn)
010	Just The Way You Are (Billy Joel)	044	Für Elise (L.v. Beethoven)	078	Song Of The Pearl Fisher (G. Bizet)
Standard		045	Etude op.10-3 "Chanson De L'adieu" (F. Chopin)	079	Jesu, Joy Of Man's Desiring (J.S. Bach)
011	Scarborough Fair (Traditional)	046	Turkish March (W.A. Mozart)	080	Der Vogelfänger bin ich ja (W. A. Mozart)
012	Three Blind Mice (Traditional)	047	Valse op.64-1 "Petit Chien" (F. Chopin)	081	The Danube Waves (I. Ivanovici)
013	O du lieber Augustin (Traditional)	048	Menuett/Beethoven (L.v. Beethoven)	082	O Mio Babbino Caro (From "Gianni Schicchi") (G. Puccini)
014	London Bridge (Traditional)	049	24 Preludes op.28-7 (F. Chopin)	083	Liebesträume Nr.3 (F. Liszt)
015	Believe Me If All Those Endearing Young Charms (Traditional)	050	Melodie (Album für die Jugend) (R. Schumann)	084	To A Wild Rose (E.A. MacDowell)
016	Ave Maria (F. Schubert)	051	Fröhlicher Landmann (Album für die Jugend) (R. Schumann)	Classical	
017	Grandfather's Clock (H.C. Work)	052	Träumerei (Kinderszenen) (R. Schumann)	085	Waltz (The Sleeping Beauty) (P. I. Tchaikovsky)
018	Twinkle Twinkle Little Star (Traditional)	053	Thema (Impromptus D.935-3) (F. Schubert)	086	Air (Orchestral Suite) (J. S. Bach)
019	I've Been Working On The Railroad (Traditional)	054	Invention Nr.1 (J. S. Bach)	087	Siciliano/J. S. Bach (J. S. Bach)
020	Little Brown Jug (Traditional)	055	Gavotte/J. S. Bach (J. S. Bach)	088	Menuet (L'Arlesienne) (G. Bizet)
021	When The Saints Go Marchin' In (Traditional)	056	Arietta/Grieg (E. Grieg)	089	Largo (From the New World) (A. Dvořák)
022	Aloha Oe (Q. Liliuokalani)	057	La Chevaleresque (J. F. Burgmüller)	090	Pizzicato Polka (J. Strauss II)
023	Home Sweet Home (H. Bishop)	058	Prelude (Wohltemperierte Klavier 1-1) (J.S. Bach)	091	Frühlingslied (F. Mendelssohn)
024	Loch Lomond (Traditional)	059	Annie Laurie (Traditional)	092	La Primavera (From Le Quattro Stagioni) (A. Vivaldi)
025	Bill Bailey (Won't You Please Come Home) (H. Cannon)	060	Moments Musicaux op.94-3 (F. Schubert)	093	Orphée Aux Enfers Ouverture (J. Offenbach)
026	Down By The Riverside (Traditional)	061	La Violette (Streabog)	094	Danse Des Mirlitons From "The Nutcracker" (P.I. Tchaikovsky)
027	Aura Lee (G. Poulton)	062	Menuett (L. Boccherini)	095	Slavonic Dances No.10 (A. Dvořák)
028	Greensleeves (Traditional)	063	The Entertainer (S. Joplin)	096	Guillaume Tell (G. Rossini)
029	My Bonnie (H.J Fulmer)	Piano Ensemble		097	Méditation De Thais (J. Massenet)
030	Funiculi-Funicula (L. Denza)	064	Nocturne op.9-2 (F. Chopin)	098	Ungarische Tänze Nr.5 (J. Brahms)
031	Die Lorelei (F. Silcher)	065	Ave Maria/J. S. Bach – Gounod (J. S. Bach / C. F. Gounod)	099	Valse Des Fleurs (From "The Nutcracker") (P.I. Tchaikovsky)
032	Wenn ich ein Vöglein wär (Traditional)	066	Piano Concerto No.21 2nd mov. (W. A. Mozart)	100	Frühlingsstimmen (J. Strauss II)
033	Turkey In The Straw (Traditional)	067	Romanze (Serenade K.525) (W. A. Mozart)		
034	Old Folks At Home (S.C. Foster)				

- The Song 001–005, 007–009, 013, 014, 085–090 do not have a left part. Therefore, the lesson is applicable only for the right hand.
- Songs of he classic and/or traditional songs have been edited for length or for ease in learning, and may not be exactly the same as the original.



— Quick Guide —

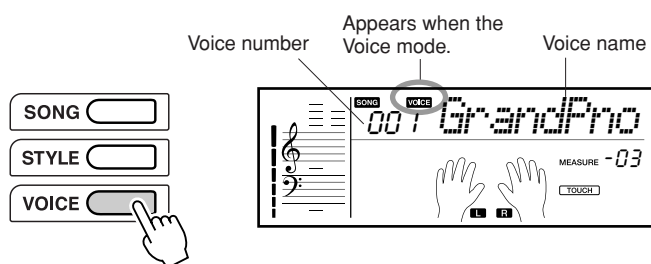
Changing the Voices

Try playing a variety of instrument Voices

In addition to the piano Voice, a wide variety of other instrument Voices can be selected and played, including guitar, trumpet and flute. The Voice selected here becomes the Main Voice.

1 Press the [VOICE] button.

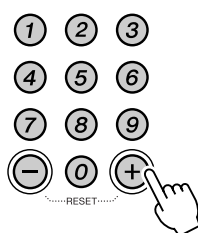
The Voice number and name are displayed.



2 Select a Voice.

Select the desired Voice by using the number buttons [0]–[9], [+], [–].

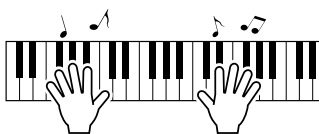
Refer to the Voice List on page 66.



The Voice shown here becomes the Main Voice for the instrument.

Selecting Voice number 000 (One Touch Setting) automatically calls the most suitable voice for the currently selected Style or Song. (Refer to page 38.)

3 Play the keyboard.



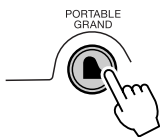
Try selecting and playing different Voices.

Playing the Grand Piano Voice

When you simply want to play a piano Voice, all you have to do is press one convenient button.

Press the [PORTABLE GRAND] button.

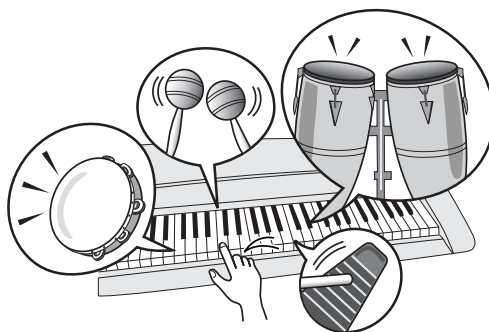
The Voice “001 Grand Piano” will automatically be selected as the Main Voice.



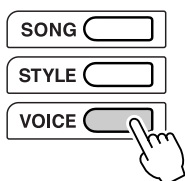
Drum kits

Drum kits are collections of drum and percussion instruments.

When drum kits (Voice numbers 130–142) are selected, you can play different percussion sounds directly from the keyboard.

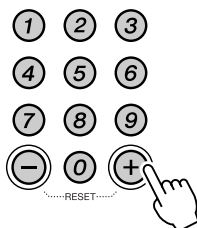


1 Press the [VOICE] button.

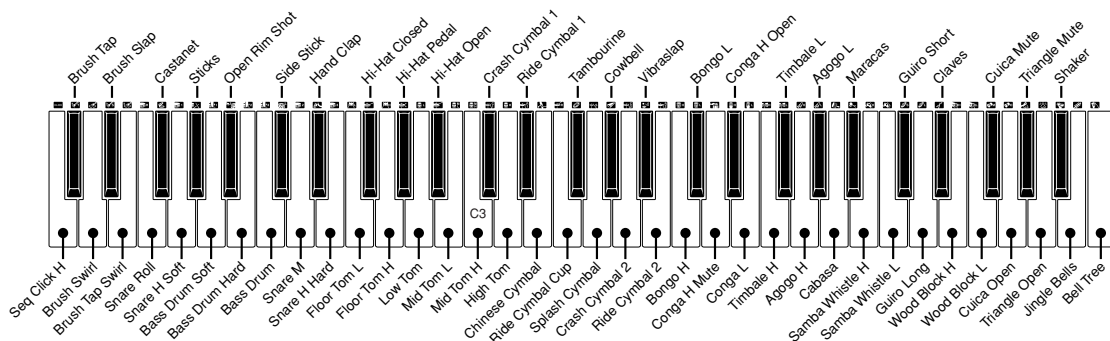


2 Select the desired Drum kit.

Select one of the Voice numbers from 130–142 by using the number buttons [0]–[9], [+], [−].

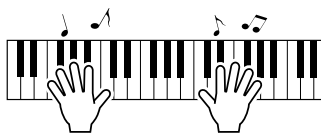


Example: 130 Standard Kit



* When Voice number 130 is selected, the icons printed above the keyboard indicate the instruments assigned to each key.

3 Try out each key.



You'll hear bongo drums, congas, maracas, and more—a comprehensive variety of drum and percussion sounds. Details on the instruments and key assignments of each drum kit can be found in the Drum Kit List on page 63.

● Drum Kit List

130	Standard Kit 1
131	Standard Kit 2
132	Room Kit
133	Rock Kit
134	Electronic Kit
135	Analog Kit
136	Dance Kit
137	Jazz Kit
138	Brush Kit
139	Symphony Kit
140	SFX Kit 1
141	SFX Kit 2
142	Sound Effect Kit



— Quick Guide —

Play with the metronome

Start the metronome

The instrument includes a metronome with adjustable tempo and time signature. Play and set the tempo that is most comfortable for you.

Starting the metronome

Turn the metronome on and start it by pressing the [METRONOME ON/OFF] button.

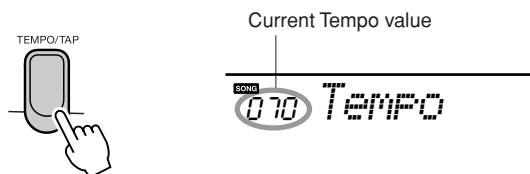
To stop the metronome, press the [METRONOME ON/OFF] button again.



Setting the metronome tempo

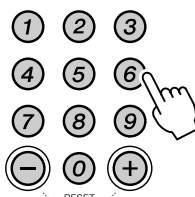
Adjust the metronome tempo

1 Press the [TEMPO/TAP] button to display the tempo.



2 Set the metronome tempo by using the number buttons [0]–[9], [+], [-].

The tempo can be adjusted between 11–280.

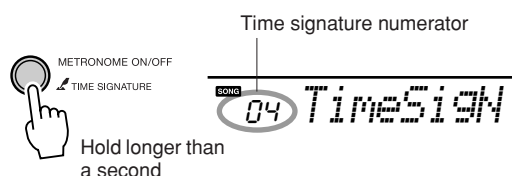


Setting the numerator of the metronome time signature

Set the number of beats per measure.

1 Press and hold the [METRONOME ON/OFF] button for longer than a second.

Current numerator appears.



2 Set the time signature numerator (0–60) by using the number buttons [0]–[9], [+], [-].

The first beat is accented with a bell sound and the rest with clicks. When set to 00, the metronome sounds all beats with a click sound (no accent).



- The time signature numerator cannot be changed when a Style or Song is playing since it is automatically preset for the most suitable time signature of the current Style or Song. Make sure to stop the Style or Song before setting the numerator.

Setting the denominator of the metronome time signature

Sets the basic note value for each measure.

1 Press the [FUNCTION] button a number of times until “TimeSigD” appears.

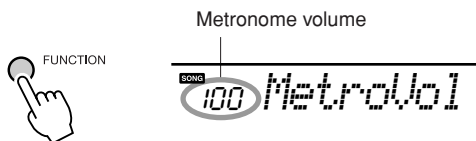


2 Set the time signature denominator by using the number buttons [+], [-].

The available denominators are 02 (1/2 note; ♩), 04 (1/4 note; ♪), 08 (1/8 note; ♫) and 16 (1/16 note; ♫).

Setting the metronome volume

- 1 Press the [FUNCTION] button a number of times until “MetroVol” appears.



- 2 Set the metronome volume (000–127) by using the number buttons [0]–[9], [+], [-].



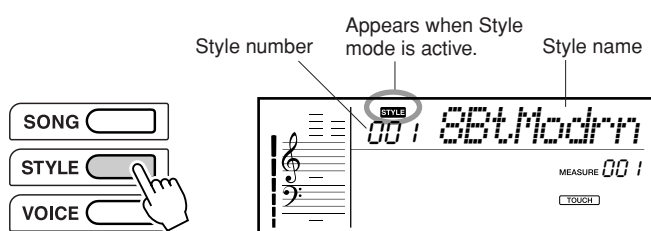
Play with a Style

Selecting a rhythm of a Style

The Style feature provides backing and rhythm parts in a wide variety of musical categories, including rock, blues, disco and much more. Here's how to play a rhythm of a Style. The rhythm sound consists of percussion instruments.

1 Press the [STYLE] button.

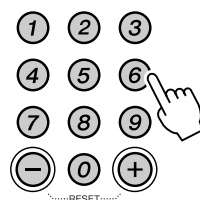
The Style number and name are displayed.



2 Select a Style.

Select the desired Style by using the number buttons [0]–[9], [+], [–].

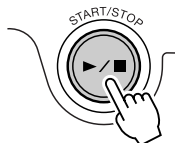
Refer to the Style List on page 66.



3 Press the [START/STOP] button.

The Style will begin playing.

You can stop the style at any time by pressing the [START/STOP] button.



NOTE

- Since the Pianist category Styles (093–100) have no rhythm parts, no sound will be produced if you start rhythm-only playback. To use these Styles, turn on the auto accompaniment and play the keyboard as described on pages 24–25. (The bass and chord accompaniment parts will sound.)

Playing with a Style

On the previous page, you've learned how to select your favorite rhythm of a Style. Here, you'll learn how to expand on that rhythm with bass and chord backing, and use all of it as your accompaniment as you play.

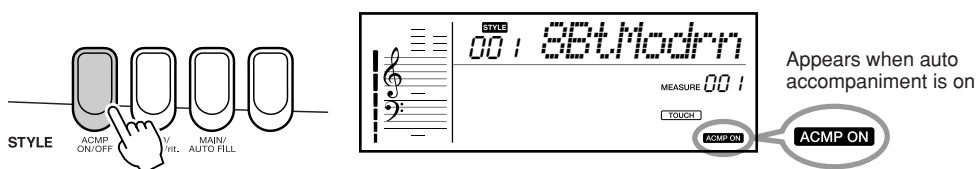
1 Press the [STYLE] button and then select a Style.

Refer to the "Selecting a rhythm of a Style" on page 23.

2 Turn auto accompaniment on.

Press the [ACMP ON/OFF] button.

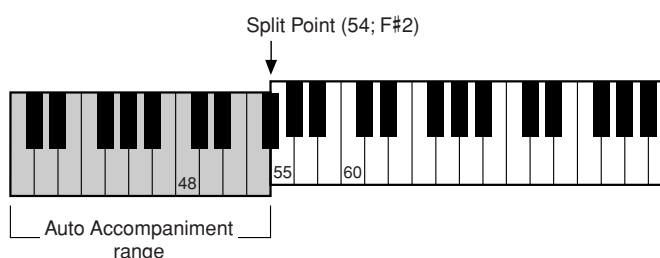
Press the [ACMP ON/OFF] button again to turn the auto accompaniment off.



● When auto accompaniment is on ...

The keys to the left of the Split Point (54; F#2) will play only chords.

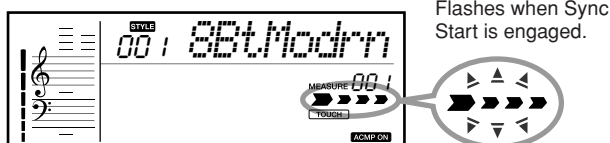
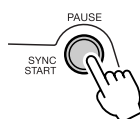
This is known as the "Auto Accompaniment range."



- You can change the Split Point. Refer to "Setting the Split Point" on page 36.

3 Turn SYNC START on.

Press the [SYNC START] button.



When the Sync Start standby mode is engaged, Style playback will begin as soon as you play a chord in the accompaniment range of the keyboard. You can turn off Sync Start standby mode by pressing the [SYNC START] button.

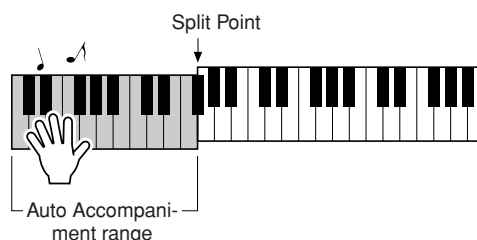
4 The Style will begin playing as soon as you play a chord in the accompaniment range of the keyboard.

Not sure how to play chords? No problem! This instrument is capable of playing chords even if you only play one key.

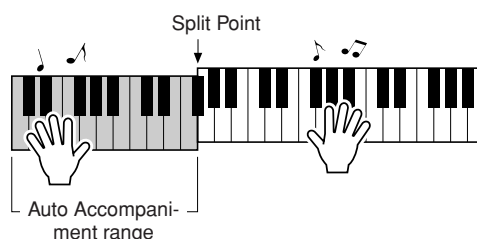
Try playing one, two or three keys (any notes will do) in the auto accompaniment range of the keyboard. Different keys will produce different results.

Refer to page 48 for detailed instructions for playing chords.

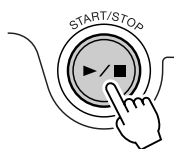
A special Chord Dictionary function is also available, which shows you how to play specific chords.



5 Try playing other chords with your left hand and play a melody with your right hand.



6 You can stop playback at any time by pressing the [START/STOP] button.



Basic Operation and Displays

Basic Operation

Turning the power on

Press the [STANDBY/ON] switch to turn on the power.
Press the [STANDBY/ON] switch again to turn the power OFF.

STANDBY/ON



Adjusting the volume

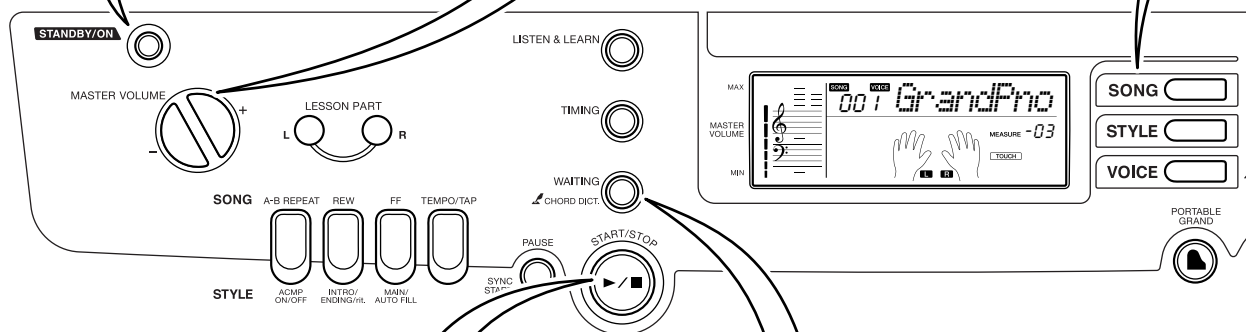
Pressing the MASTER VOLUME [+] and [-] buttons.

Press the [-] button to lower the volume.

MASTER VOLUME

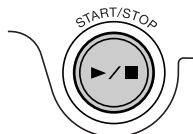


Press the [+] button to increase the volume.



About the [START/STOP] button

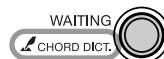
Press the [START/STOP] button after pressing the [SONG] or [STYLE] button to start playback of the selected Song or Style (rhythm).



The “Press & Hold” Symbol



The “Press & Hold” symbol that appears next to some buttons indicates that the button can be pressed and held for longer than a second to call up a related or different function.



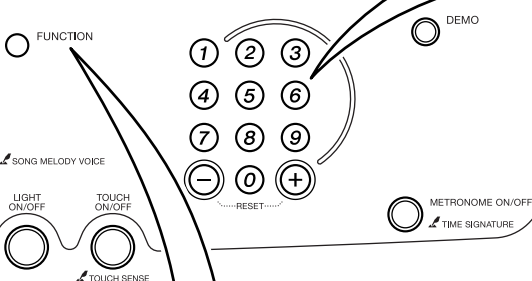
Press a button to select a basic function

- SONG** Press the [SONG] button to select a Song.
- STYLE** Press the [STYLE] button to select a Style.
- VOICE** Press the [VOICE] button to select a Voice.

When you select a basic function, the name and number of the currently selected Song, Style and Voice is shown. Also, the icon(s) of the currently selected Song, Style or Voice appears at the top on the display.

SONG **STYLE** **VOICE**
(Song) (Style) (Voice)

From this display, you can select the desired Song, Style or Voice by using the number buttons [0]–[9], [+], [–].



Function Settings (page 52)

The [FUNCTION] button contains 19 settings. Each time you press the [FUNCTION] button, the setting item is selected in sequence, and the value of the selected item can be changed by using the number buttons [0]–[9], [+], [–].

You can select the setting items in reverse order by simultaneously holding down the [FUNCTION] button and pressing the [–] button repeatedly.

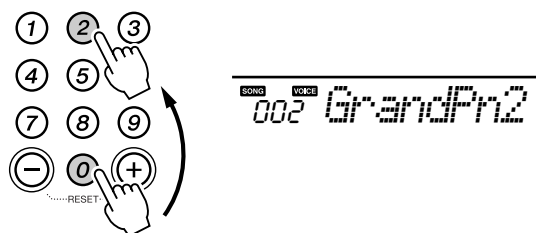


Set the number or value

● Number buttons [0]–[9]

The number buttons can be used to directly enter a Song, Style or Voice number or parameter value. For numbers that start with one or two zeroes, the first zeroes can be omitted.

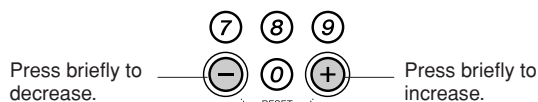
Example: Selecting Voice 002, Grand Piano2.



Press number buttons [0], [0], [2].

● [+], [–] buttons

Press the [+] button briefly to increase the value by 1, or press the [–] button briefly to decrease the value by 1. Press and hold either button to continuously increase or decrease the value in the corresponding direction.



Display

The Main display shows all of the current basic settings for Song, Style and Voice.

Notation

Displays the melody and chord notes of a Song when the Song is playing, or the notes of chords you specify when the Dictionary function is in use. At other times the notes you play on the keyboard are displayed.



8va

8va

NOTE

- Any notes occurring below or above the staff are indicated by "8va" in the notation.
- 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.

Measure

Indicates the current measure during playback of a Song or Style.

MEASURE 003

Beat Display

Indicates the beat of the current Style or Song with flashing arrows.



Touch Display

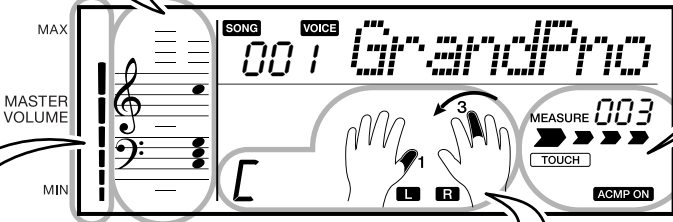
Appears when the touch response feature is on.

TOUCH

ACMP ON

Appears when the auto accompaniment is on.

ACMP ON



MAX

MASTER VOLUME

MIN

SONG 001 VOICE GrandPro

MEASURE 003

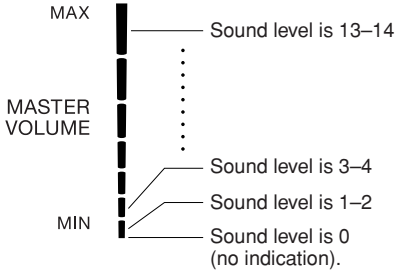
TOUCH

ACMP ON

L R

MASTER VOLUME indication

The value of MASTER is indicated by the number of bars in the display. The more bars shown, the higher the volume level. The range is from 0–14. One bar represents 2 steps in the value.



MAX

MASTER VOLUME

MIN

Sound level is 13–14

Sound level is 3–4

Sound level is 1–2

Sound level is 0 (no indication).

Chord Display

Indicates the name of the chord currently being played back, or the name of the chord being played on the keyboard.



Fingering Guide

While the Song is playing, appropriate fingerings are shown, indicating which fingers to use to play the song properly. (page 29)



Song Left and Right Display

While the Song is playing, you can mute the Left or Right parts of the Song by pressing the [L] and [R] buttons. The [L] and [R] icons indicate the current status.

R Right is on

R Right is muted

L R Left and Right are on

Song Lesson

Yamaha Education Suite 5

You can select any Song you like and use it for a left-hand, right-hand, or both-hands lesson. Song Lesson teaches you how to play Songs in three separate steps.

■ The practice methods:

Lesson 1 (Listen & Learn) Listen and learn the melody or rhythm of a selected Song.

Lesson 2 (Timing) Learn to play the notes at the correct timing along with the Song.

Lesson 3 (Waiting) Learn to play the correct notes.

Practice by using the Light Guide function

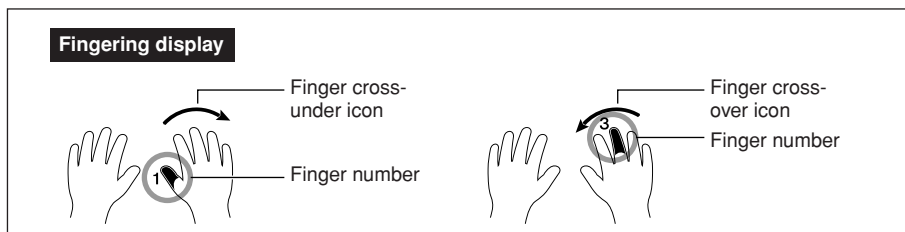
When Light Guide is on, each key (of the notes in the Song) lights in succession showing you which keys to play and when.



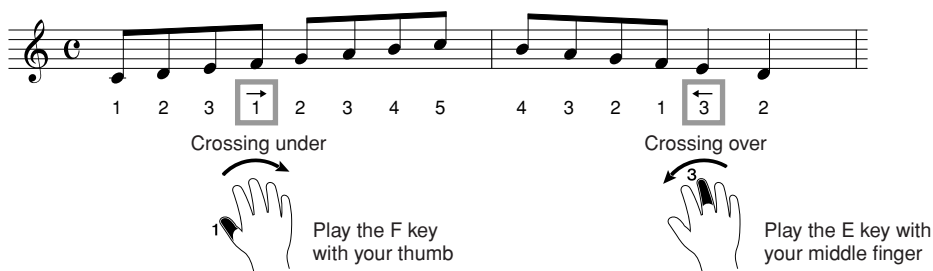
- The Light Guide function is on when power is turned on.

Practice by using the Fingering guide

When the Song is started, the fingering guide appears on the display and shows you which fingers you should use while playing.



● Examples of crossing under and over



Lesson 1 (Listen & Learn)

There's no need to play the keyboard in Lesson 1.

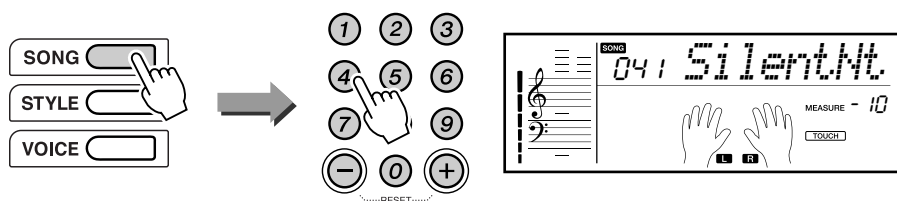
The model melody/chords (in other words, the musical material you should learn) of the part you selected will sound and the appropriate keys will automatically light. Listen to it carefully and learn it well.

1 Select the desired Song for your lesson.

Press the [SONG] button, and then select a Song (referring to the Song list on page 15) by using the number buttons [0]–[9], [+], and [-].

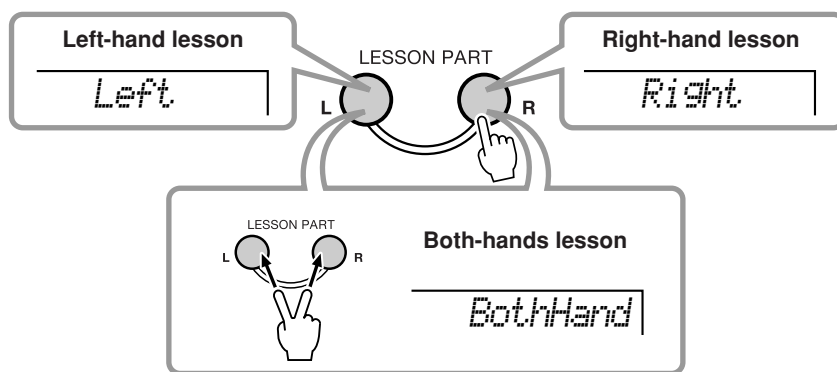


- You cannot select the part during Song playback before Lesson 1 starts. If a Song is currently being played back, stop the Song first, then continue from Step 2.



2 Select the part you want to practice.

Press the [R] button for a right-hand lesson, [L] button for a left-hand lesson, or press both the [R] and [L] buttons simultaneously for a both-hands lesson. The selected hand/s are displayed.



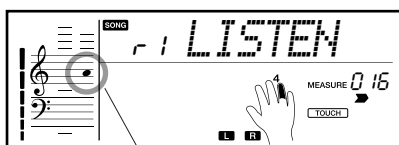
A “No LPart” message is shown in the display if you select the left part in Song 001–005, 007–009, 013, 014, 085–090, which does not have left part data. These Songs cannot be used for left-hand or both-hands lessons.

No LPart

3 Start Lesson 1.

Press the [LISTEN & LEARN] button to start Lesson 1.

The melody of the part you selected in Step 2 will sound. Listen to it carefully and learn it well.



The notation is shown in the display, and the keys light to indicate which notes you should play.



- Even after Lesson 1 has started and the Song is playing, you can still select the part.
- When the melody Voice of the Song is changed, the key position shown in the display may be shifted (in octave units), depending on the Voice selected.
- You can select Lessons 1–3 by pressing the [LISTEN & LEARN], [TIMING] and [WAITING] buttons, respectively.

4 Stop the Lesson.

You can stop the Lesson at any time by pressing the [START/STOP] button.

Lesson 2 (Timing)

In this lesson, try playing the notes with the correct timing. Simply concentrate on playing each note in time with the rhythmic accompaniment.

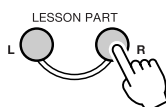
The correct notes sound even if you play wrong notes as long as you play in time with the rhythm.



- The Split Point is fixed and it cannot be changed. For the left-hand lesson, it is fixed at 59 or B2.

1 Select the desired Song for your lesson.

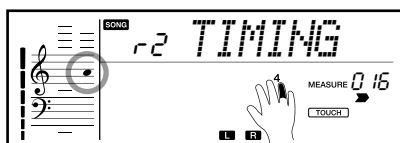
2 Select the part you want to practice.



- You cannot select the part during Song playback before Lesson 2 starts. If a Song is currently being played back, stop the Song first, then continue from Step 2.

3 Start Lesson 2.

Press the [TIMING] button to start Lesson 2.

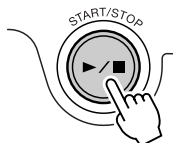


- Even after Lesson 2 has started and the Song is playing, you can still select the part.

The keyboard lights when Light is on. In Lesson 2, concentrate on playing each note in correct time with the rhythm.

4 Stop the Lesson.

You can stop the Lesson at any time by pressing the [START/STOP] button.



Grade

When the lesson Song has played all the way through in Lesson 2 or 3, your performance will be evaluated in four levels: OK, Good, Very Good, or Excellent.

OK
Good
Very Good
Excellent

Lesson 3 (Waiting)

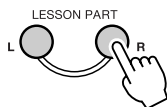
In this mode, try playing the correct notes. The notes you should play will appear in the score and the notes on the keyboard will light. The Song pauses until you play the right note.

1 Select the desired Song for your lesson.



- You cannot select the part during Song playback before Lesson 3 starts. If a Song is currently being played back, stop the Song first, then continue from Step 2.

2 Select the part you want to practice.



3 Start Lesson 3.

Press the [WAITING] button to start Lesson 3.



r3 WAITING

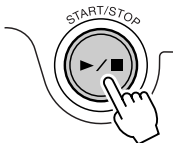


- Even after Lesson 3 has started and the Song is playing, you can still select the part.

Play the correct notes according to the lighted keys. The Song pauses until you play the right note.

4 Stop the Lesson.

You can stop the Lesson at any time by pressing the [START/STOP] button.



- When the lesson Song has played all the way through in Lesson 2 or 3, your performance will be evaluated in four levels (same as lesson 2)

Song settings

Changing the Melody Voice

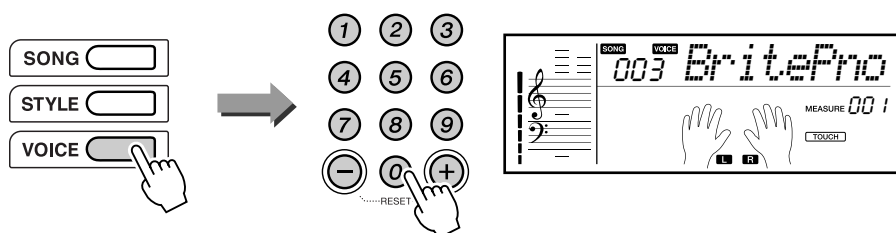
You can change a Song's melody Voice to any other Voice you prefer.

1 Select the Song and play it.

Refer to the section "Playing the Songs" on page 12.

2 Select the voice.

Press the [VOICE] button, and then select a desired Voice by using the number buttons [0]–[9], [+], [–].

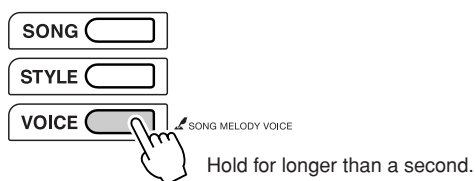


The selected Voice sounds when you play the keyboard.

If a Song has played through and stopped during this procedure, press the [START/STOP] button to start playback again.

3 Press and hold the [VOICE] button for longer than a second.

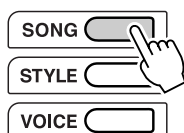
"SONG MELODY VOICE" appears in the display for a few seconds, indicating that the Voice selected in Step 2 has replaced the Song's original melody Voice.



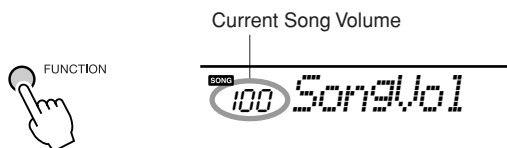
Song Volume

This procedure allows you to adjust the balance between Song playback and the notes you play on the keyboard by setting the volume of the playback sound.

1 Press the [SONG] button.

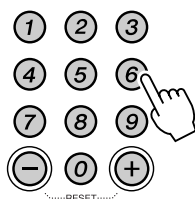


2 Press the [FUNCTION] button a number of times until “SongVol” appears.



3 Set the Song Volume by pressing the number buttons [0]–[9], [+], [-].

The range is from 0–127.



NOTE

- Press the [+] and [-] buttons simultaneously to instantly reset the value to its default setting (100).

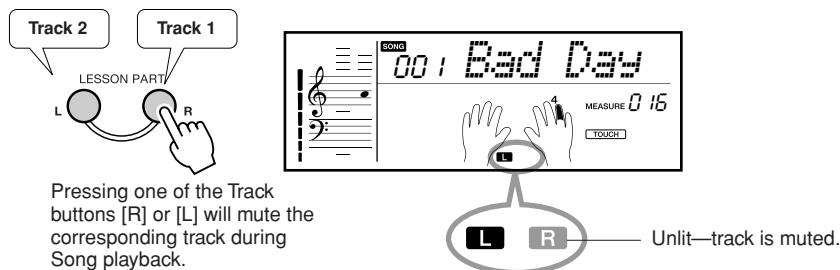
Mute

The Song is made up by several tracks.

You can mute Track 1 or Track 2 during Song playback.

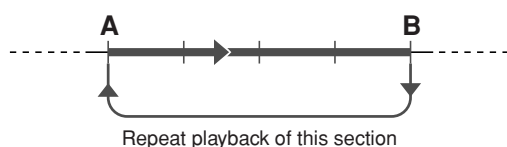
- Track 1 can be muted by pressing the [R] button during Song playback.
- Track 2 can be muted by pressing the [L] button during Song playback.

You can cancel the mute function by pressing the corresponding track buttons, [R] or [L] again during Song playback, or by selecting any other Song.

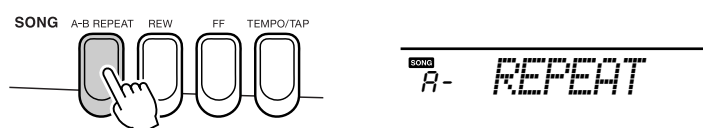


Practice Makes Perfect

You can repeatedly practice a section you find difficult. This function lets you specify a section of a Song you want to practice—"A" is the start point and "B" is the end point—for repeat playback.

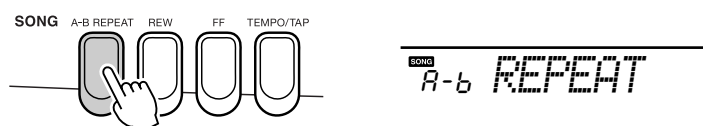


- 1 Play the Song and press the [A-B REPEAT] button at the beginning of the section you want to repeat (the "A" point). "A-REPEAT" will be displayed.

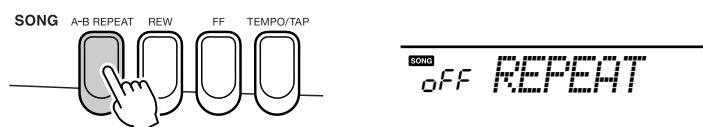


- The repeat start and end points can be specified in one-measure increments.
- You can also set the A-B Repeat function when the Song is stopped. Simply use the [REW] and [FF] buttons to select the desired measures, pressing the [A-B REPEAT] button for each point, then start playback.
- If you want to set the start point "A" at the very beginning of the Song press the [A-B REPEAT] button before starting playback of the Song.

- 2 Press the [A-B REPEAT] button a second time at the end of the section you want to repeat (the "B" point). The specified A-B section of the Song will now play repeatedly, letting you practice the section over and over.



You can stop repeat playback by pressing the [A-B REPEAT] button. The A-B REPEAT mode will be canceled and normal playback of the Song will continue.

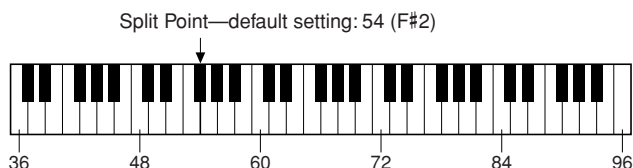


- The A-B Repeat function will be canceled when you select another Song or Style mode.

Handy Performance Features

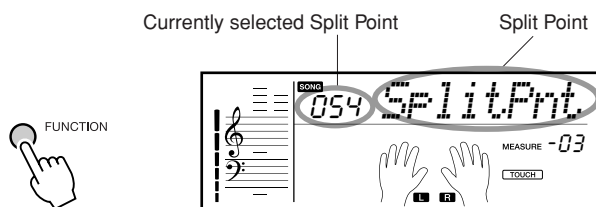
Setting the Split Point

The Split Point setting can be changed as desired.

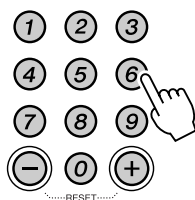


The initial default Split Point is key number 54 (the F#2 key), but you can change it to another key. When you change the Split Point, the auto accompaniment range also changes.

- 1 Press the [FUNCTION] button a number of times until “SplitPnt” appears.



- 2 Set the Split Point by using the number buttons [0]–[9], [+], [-].

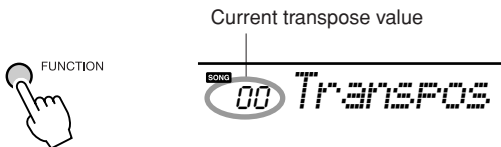


- Press the [+] and [-] buttons simultaneously to instantly reset the value to its default setting (54 or F#2).

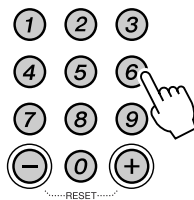
Transpose

The overall pitch of the instrument can be shifted up or down by a maximum of 1 octave in semitone increments.

- 1 Press the [FUNCTION] button a number of times until the “Transpose” appears.



- 2 Use the number buttons [0]–[9], [+], [-] to set the Transpose value between -12 and +12 as required.



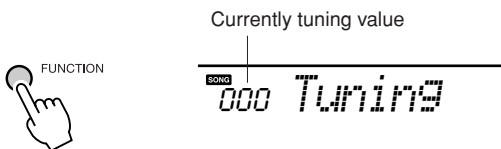
NOTE

- The pitch of the Drum Kits Voices (Voice numbers 130–142) cannot be changed.
- Press the [+] and [-] buttons simultaneously to instantly reset the value to its default setting (00).

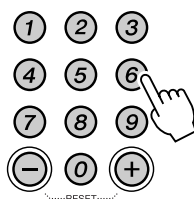
Tuning

You can fine tune the pitch of the entire instrument. The overall tuning of the instrument can be shifted up or down by a maximum of 100 cents in 1-cent increments (100 cents = 1 semitone).

- 1 Press the [FUNCTION] button a number of times until “Tuning” appears.



- 2 Use the number buttons [0]–[9], [+] and [-] to set the Tuning value between -100 and +100 as required.



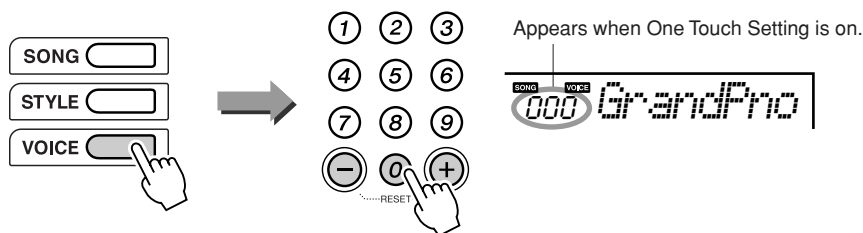
NOTE

- The pitch of the Drum Kits Voices (Voice numbers 130–142) cannot be changed.
- Press the [+] and [-] buttons simultaneously to instantly reset the value to its default setting (000).

One Touch Setting

Sometimes selecting the ideal Voice to play with a Song or Style can be confusing. The One Touch Setting feature automatically selects the most suitable Voice for you when you select a Style or Song. Simply select Voice number “000” to activate this feature.

- 1 Press the [VOICE] button, and then select Voice number “000” by using the number buttons [0]–[9], [+], [–].

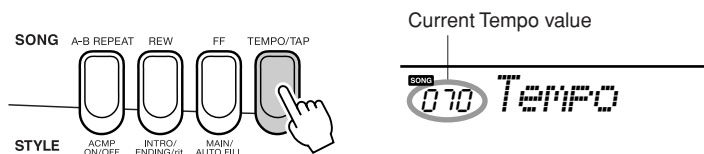


This turns the One Touch Setting feature on. One Touch Setting will be turned off if you select any other Voice number.

Changing the tempo of the Song/Style

Songs and Styles can be played at any tempo you desire—fast or slow.

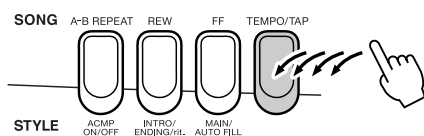
- 1 Press the [TEMPO/TAP] button to call up the Tempo setting in the display after selecting a Style/Song.



- 2 Set the Tempo by using the number buttons [0]–[9], [+], [–].

You can also set the Tempo by simply tapping the [TEMPO/TAP] button at the required tempo—four times for time signatures in 4, and three times for time signatures in 3.

You can change the Tempo during Style/Song playback by pressing the [TEMPO/TAP] button just twice.

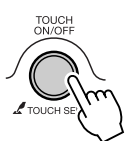


- Press the [+] and [–] buttons simultaneously to instantly reset the value to the default tempo of a Style or Song.

Touch Response

Touch Response On/Off

Keyboard touch response can be turned on by pressing the [TOUCH ON/OFF] button. When touch response is on you can control the volume of notes according to how hard you play the keys.



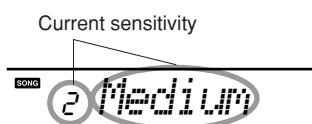
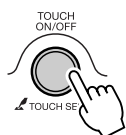
Indicates that touch response is on

Press the [TOUCH] button a second time to turn touch response off. When touch response is off the same volume will be produced no matter how hard you play the keys.

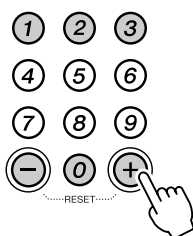
Adjusting the Touch Response Sensitivity

The sensitivity of the keyboard's touch response can be adjusted in three steps (1–3). The higher the number, the greater the volume variation produced by the same variation in how hard you play the keys—i.e. the keyboard becomes more “sensitive.”

Press and hold the [TOUCH] button for longer than a second until the touch response sensitivity setting display appears.



Use the number buttons [1]–[3] or the [+] and [-] buttons to set the touch response sensitivity as required.



Adjusting the Main Voice Parameters

The volume and octave (the pitch of the instrument can be shifted by up or down in octaves) for the main voice can be adjusted.

● **Main Voice Parameters (page 53)**

- Main Voice Volume
- Main Voice Octave

You can adjust each of the parameters above in the Function settings (page 52).

Play With a Variety of Effects

Adding Reverb

Reverb adds the ambience of a room or concert hall to the sound that you play on the keyboard.

Reverb On/Off

Press the [FUNCTION] button a number of times until “on Reverb” or “oFF Reverb” appears.

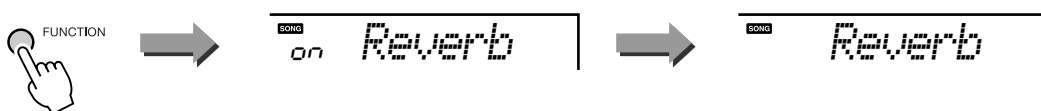
Default setting is on. Set this to on or off by using the [+] and [-] buttons.



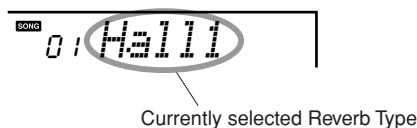
Selecting a Reverb type

The ideal type is automatically selected whenever you select a Song or Style, but you can select any of the available Reverb Types.

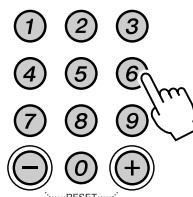
- 1 Press the [FUNCTION] button a number of times until “Reverb” appears. “Reverb” is located next to the “on Reverb” or “oFF Reverb” indications.



The currently selected Reverb type appears on the display after the “Reverb” indication.

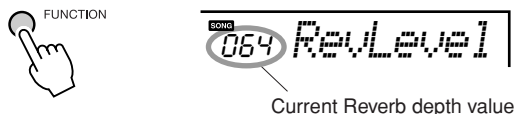


- 2 Select the desired Reverb Type by using the number buttons [0]–[9], [+], [-]. Refer to the Reverb Type list on page 67 for details.

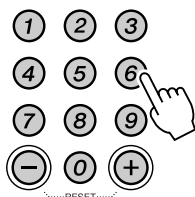


Adjusting the Reverb depth

- 1 Press the [FUNCTION] button a number of times until “RevLevel” appears.



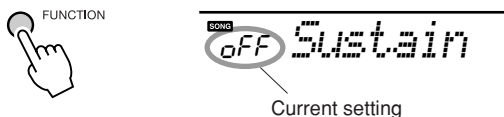
- 2 Set the desired Reverb depth by using the number buttons [0]–[9], [+], [-].
The range is from 0–127.



Adding Panel Sustain

This function adds a fixed sustain to the keyboard Voices.

- 1 Press the [FUNCTION] button a number of times until the “Sustain” item appears.



- 2 Press the [+] button to turn the Panel Sustain on.
Panel Sustain will be added to the notes you play on the keyboard when the Panel Sustain is on. To turn it off, press the [-] button.



NOTE

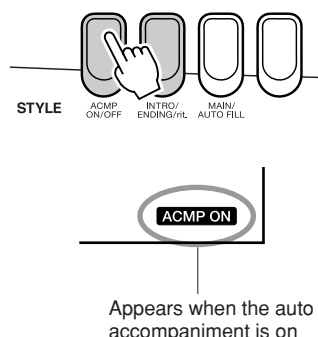
- See the section “Connecting a footswitch (SUSTAIN Jack)” on page 9 for information on applying sustain with the optional footswitch.
- For certain Voices, the sustain effect may not be obvious or audible, even when the panel sustain function is turned on.

Style (Auto Accompaniment) Functions

Various ways to start and stop Style playback

Starting Style playback

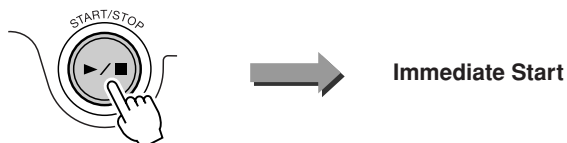
The following three methods can be used to start Style playback. In all cases you will need to press the [ACMP ON/OFF] button to turn auto accompaniment on before actually starting Style playback. Whichever method you choose, you can press the [INTRO/ENDING/rit.] before starting playback. To begin your performance, an introduction will play automatically, then will automatically switch to the MAIN section when finished.



■ Immediate Start

Press the [START/STOP] button to begin rhythm-only playback of the selected Style.

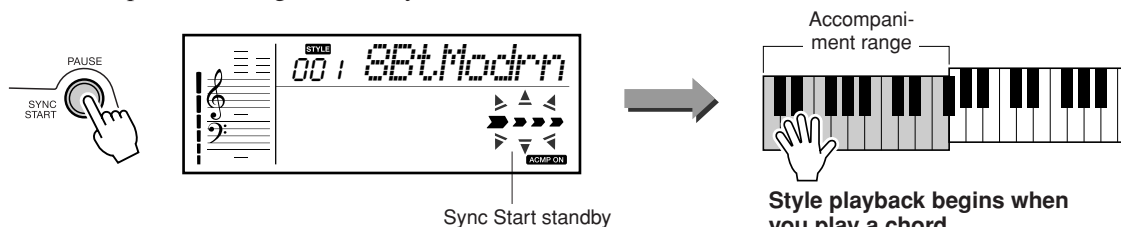
The bass and chords will begin playing as soon as you play a chord in the accompaniment range of the keyboard.



■ Chord Start

Press the [SYNC START] button and the beat arrows will begin flashing, indicating that the Sync Start “standby” mode has been engaged.

The bass and chords will begin playing as soon as you play a chord in the accompaniment range of the keyboard.



■ Tap Start

You can supply a count-in at any tempo you like to start playback. Simply tap the [TEMPO/TAP] button at any tempo—4 times for time signatures in 4, and 3 times for time signatures in 3—and the selected Style rhythm will begin playing at the tapped tempo.

The bass and chords will begin playing as soon as you play a chord in the accompaniment range of the keyboard.

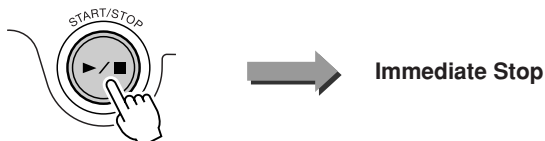


Stopping Style playback

The following three methods can be used to stop Style playback.

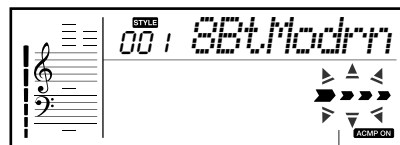
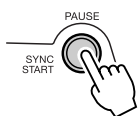
■ Immediate Stop

Playback will stop as soon as you press the [START/STOP] button.



■ Stop and Enter Sync Start Mode

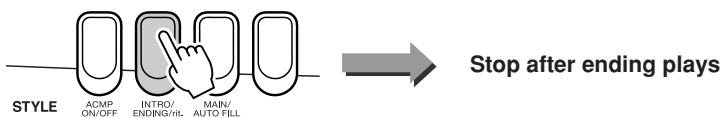
If you press the [SYNC START] button during Style playback, playback will stop immediately and the Sync Start standby mode will be engaged (beat arrows will flash).



Sync Start standby

■ Play the Ending and Stop

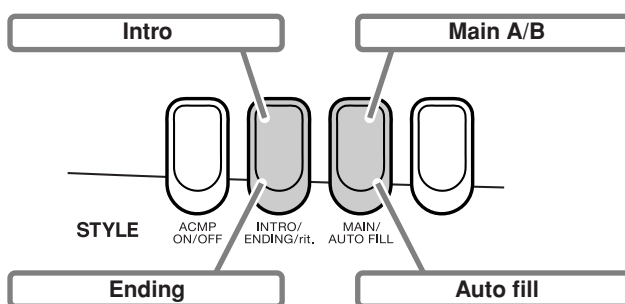
Press the [INTRO/ENDING/rit.] button to begin playing an ending section. Playback will stop when the ending has played all the way through.



If you press the [INTRO/ENDING/rit.] button a second time (while the ending is playing), the **ending** will play in ritardando (the tempo will gradually get slower).

Pattern Variation (Sections)

The instrument features a wide variety of Style “sections” (patterns) that allow you to vary the arrangement of the accompaniment to match the Song you are playing.



● INTRO section

This is used for the beginning of the Song

When the intro finishes playing, accompaniment shifts to the main section.

The length of the intro (in measures) differs depending on the selected Style.

● MAIN section

This is used for playing the main part of the Song. It plays a main accompaniment pattern, and repeats indefinitely until another section's button is pressed. There are two variations on the basic pattern (A and B), and the Style playback sound changes harmonically based on the chords you play with your left hand.

● Fill-in section

This is automatically added before changing the section A and B.

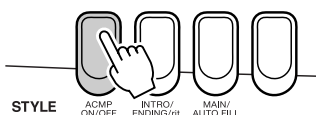
● ENDING section

This is used for the ending of the Song. When the ending is finished, the auto accompaniment stops automatically. The length of the ending (in measures) differs depending on the selected Style.

1 Press the [STYLE] button and then select a Style.

2 Turn auto accompaniment on.

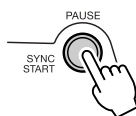
Press the [ACMP ON/OFF] button.



Appears when the auto accompaniment is on.

3 Turn SYNC START on.

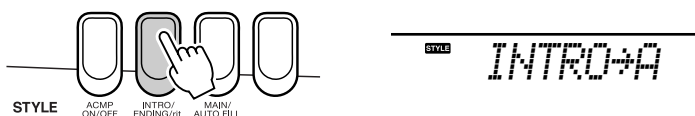
Press the [SYNC START] button.



4 Press the [MAIN/AUTO FILL] button.

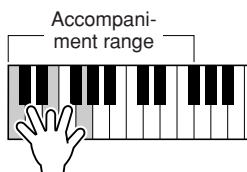


5 Press the [INTRO/ENDING/rit.] button.

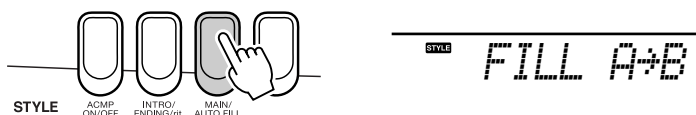


6 As soon as you play a chord with your left hand, the Intro of the selected Style starts.

For this example, play a C major chord (as shown below). For information on how to enter chords, see “Playing Auto Accompaniment Chords” on page 48.



7 Press the [MAIN/AUTO FILL] button.



When the fill-in is finished, it leads smoothly into the selected main section A/B.

8 Press the [INTRO/ENDING/rit.] button.



This switches to the ending section.

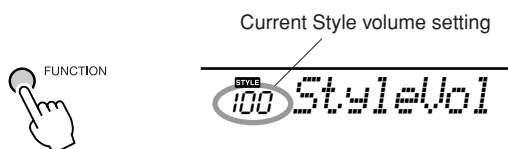
When the ending is finished, the auto accompaniment stops automatically. You can have the ending gradually slow down (ritardando) by pressing the [INTRO/ENDING/rit.] button again while the ending is playing back.

Adjusting the Style Volume

This procedure allows you to adjust the balance between Style playback and the notes you play on the keyboard by setting the volume of the playback sound.

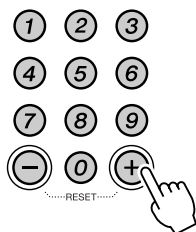
1 Press the [STYLE] button.

2 Press the [FUNCTION] button a number of times until the “StyleVol” appears.



3 Set the Style volume by using the number buttons [0]–[9], [+], [–].

The range is from 0–127.



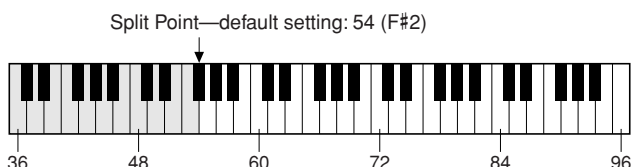
- Press the [+] and [–] buttons simultaneously to instantly reset the value to its default setting (100).

Playing Auto Accompaniment Chords

You've learned in the section "Play with a Style (Accompaniment)" on page 23 that the "feel" of the Style changes every time you play a chord on the left-hand side of the keyboard. Here, you'll learn the types of the chords and how to play them in greater detail. The examples of chords are given here in the key of C.

There are two basic ways (below) you can play the chords on the left-hand side of the keyboard, while playing the Style (page 24)

- Easy Chords
- Standard Chords



Easy Chords

This method lets you easily play chords in the accompaniment range of the keyboard using only one, two, or three fingers.



- Root notes and the corresponding keys



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



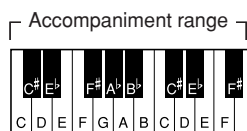
- To play a seventh chord
Press the root note together with the nearest white key to the left of it.



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

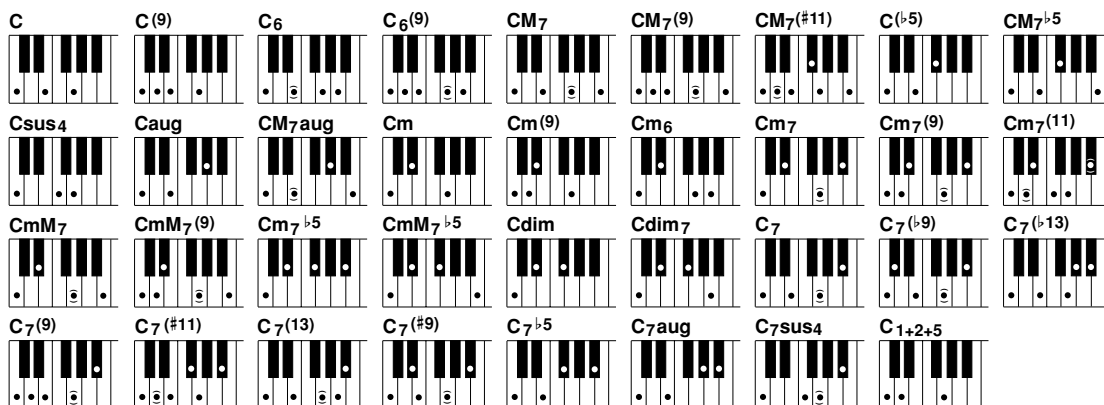


- To play a minor seventh chord
Press the root note together with the nearest white and black keys to the left of it (three keys altogether).



Standard Chords

This method lets you produce accompaniment by playing chords using normal fingerings in the accompaniment range of the keyboard.



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

● Recognized Standard Chords Chart

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 [(b5)]	1 - 3 - b5	C(b5)	Cb5 *
Major seventh flatted fifth [M7b5]	1 - 3 - b5 - 7	CM7b5	CM7b5 *
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 - b3 - 5	Cm	Cm
Minor add ninth [m(9)]	1 - 2 - b3 - 5	Cm(9)	Cm(9)
Minor sixth [m6]	1 - b3 - 5 - 6	Cm6	Cm6
Minor seventh [m7]	1 - b3 - (5) - b7	Cm7	Cm7
Minor seventh ninth [m7(9)]	1 - 2 - b3 - (5) - b7	Cm7(9)	Cm7(9)
Minor seventh add eleventh [m7(11)]	1 - (2) - b3 - 4 - 5 - (b7)	Cm7(11)	Cm7(11) *
Minor major seventh [mM7]	1 - b3 - (5) - 7	CmM7	CmM7
Minor major seventh ninth [mM7(9)]	1 - 2 - b3 - (5) - 7	CmM7(9)	CmM7(9) *
Minor seventh flatted fifth [m7b5]	1 - b3 - b5 - b7	Cm7b5	Cm7b5
Minor major seventh flatted fifth [mM7b5]	1 - b3 - b5 - 7	CmM7b5	CmM7b5 *
Diminished [dim]	1 - b3 - b5	Cdim	Cdim
Diminished seventh [dim7]	1 - b3 - b5 - 6	Cdim7	Cdim7
Seventh [7]	1 - 3 - (5) - b7 or 1 - (3) - 5 - b7	C7	C7
Seventh flatted ninth [7(b9)]	1 - b2 - 3 - (5) - b7	C7(b9)	C7(b9)
Seventh add flatted thirteenth [7(b13)]	1 - 3 - 5 - b6 - b7	C7(b13)	C7(b13)
Seventh ninth [7(9)]	1 - 2 - 3 - (5) - b7	C7(9)	C7(9)
Seventh add sharp eleventh [7(#11)]	1 - (2) - 3 - #4 - 5 - b7 or 1 - 2 - 3 - #4 - (5) - b7	C7(#11)	C7(#11)
Seventh add thirteenth [7(13)]	1 - 3 - (5) - 6 - b7	C7(13)	C7(13)
Seventh sharp ninth [7(#9)]	1 - #2 - 3 - (5) - b7	C7(#9)	C7(#9)
Seventh flatted fifth [7b5]	1 - 3 - b5 - b7	C7b5	C7b5 *
Seventh augmented [7aug]	1 - 3 - #5 - b7	C7aug	C7aug
Seventh suspended fourth [7sus4]	1 - 4 - (5) - b7	C7sus4	C7sus4
One plus two plus five [1+2+5]	1 - 2 - 5	C1+2+5	C *



- 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, m7b5, 6, m6, sus4, aug, dim7, 7b5, 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.

* These chords are not shown in the Chord Dictionary function.

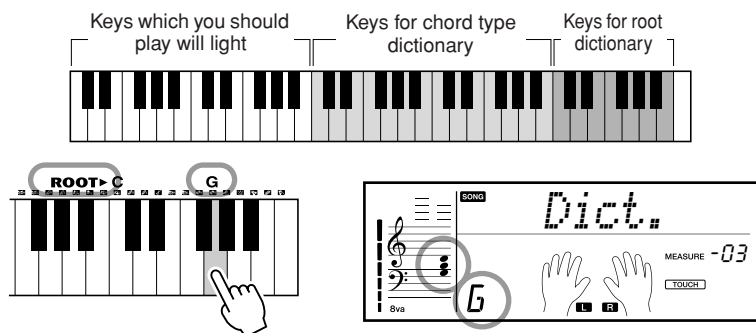
Looking up Chords Using the Chord Dictionary

The Dictionary function is essentially a built-in “chord dictionary” 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.

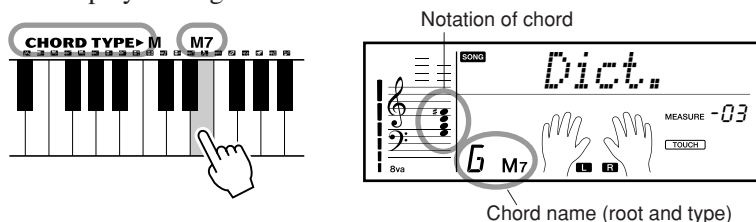
- 1 Press and hold the [WAITING] button for longer than a second.
“Dict.” will appear in the display.



- 2 As an example, we'll learn how to play a GM7 (G major seventh) chord. Press the “G” key in the section of the keyboard labeled “ROOT.” (The note doesn't sound.) The root note you set is shown in the display.



- 3 Press the “M7” (major seventh) key in the section of the keyboard labeled “CHORD TYPE.” (The note doesn't sound.) The notes you should play for the specified chord (root note and chord type) are shown in the display as notation, and the keys which you should play will light.



• Major chords are usually indicated by the root name only. For example, the indication “C” in a score refers to a “C Major” chord. To look up the fingering for a major chord press the root key and then the M chord type key.

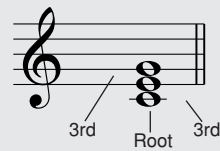
- 4 Try playing a chord in the auto accompaniment section of the keyboard, checking the indications in the display. When you've played the chord properly, a bell sound signals your success and the chord name in the display flashes.

To call up possible inversions of the chord, press the [+]/[-] buttons.

About chords

Playing two or more notes together simultaneously creates a “chord.”

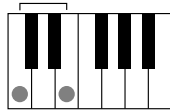
Playing a note together with two other notes spaced three notes (steps) apart—such as the notes C, E and G—creates a harmonious sound. Chords like these are called “triads” and they play an important role in most music.



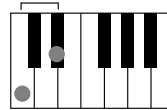
Taking the chord above as an example, the lowest note of this triad is called the “root note.” This is the central note sound, and it supports or anchors the rest of the notes chord.

You’ll notice that the middle note of the chord above (E) is the third step in the succession of scale notes—C, D, then E. There are two types of “thirds” in chords: major thirds and minor thirds.

Major third—four half steps from the root

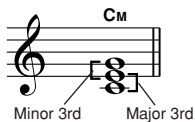


Minor third—three half steps from the root

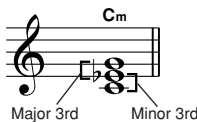


We’ll also alter the top note of our original chord and make three additional chords, as shown below. (The captions indicate the intervals between each of the notes.)

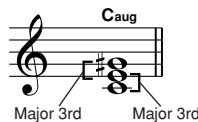
◆ **Major chord**



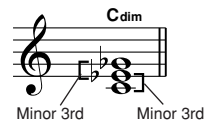
◆ **Minor chord**



◆ **Augmented chord**



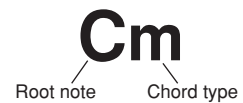
◆ **Diminished chord**



The basic characteristics of the chord sound are same, no matter if we change the order of the notes from bottom to top, or if we add other same name notes in different octaves. Beautiful sounding harmonies can be built in this manner, and emotional music can be created by playing different chords one after the other according to commonly accepted rules. Harmony determines the nature of chords, and music is created based on harmony.

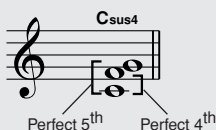
Chord names

From the chord name, you can tell at a glance what type of chord it is and which notes make up the chord. Understanding the basic structure of chords is very useful—once you’re familiar with this, you’ll be quickly and easily play chords by looking at the names that appear above the notation.

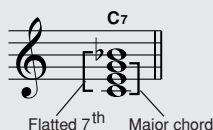


Chord types (These chords are among those that can be recognized by the Fingered method.)

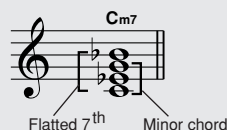
Suspended 4th



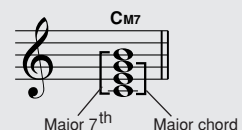
7th



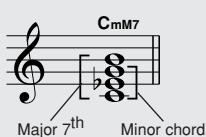
Minor 7th



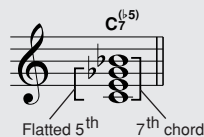
Major 7th



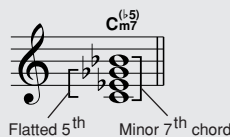
Minor/major 7th



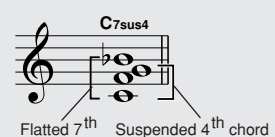
7th, flatted 5th



Minor 7th, flatted 5th



7th, suspended 4th



Function Settings

The [FUNCTION] button gives you access to a variety of operations related to adjusting or enhancing the sound and making settings for connection to external devices.

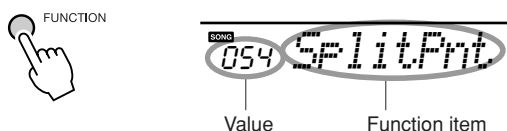
Select the item and change the value

There are 19 different items that can be set.

1 Press the [FUNCTION] button a number of times until desired item appears.

Each time the [FUNCTION] button is pressed 19 function items are displayed in sequence. The description and display sample is provided on the Function Setting List on the next page.

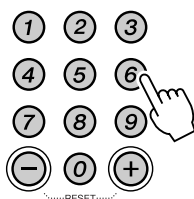
You can select the setting items in reverse order by simultaneously holding down the [FUNCTION] button and pressing the [-] button repeatedly.



2 Set the value by using the number buttons [0]–[9], [+], [-].

For on/off settings, use [+] / [-] buttons.

For certain items, you can instantly restore the setting to the default value by simultaneously pressing the [+] and [-] buttons.



● Function Setting List

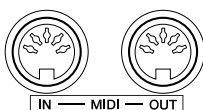
Item	Display	Range/settings	Description
Style Volume	<i>StyleVol</i>	000–127	Determines the volume of the Style.
Song Volume	<i>SongVol</i>	000–127	Determines the volume of the Song.
Transpose	<i>TransPos</i>	-12–00–12	Determines the pitch of the instrument by semitone increments.
Tuning	<i>Tuning</i>	-100–000–100	Sets the pitch of the instrument's sound in 1-cent increments.
Split Point	<i>SplitPnt</i>	000–127 (C-2–G8)	Sets the Split "point"—in other words, the key that separates the auto accompaniment range and Main voice.
Touch Sensitivity	<i>TouchSns</i>	1–3	Determines the sensitivity of the touch response. Default is 2.
Reverb On/Off	<i>on Reverb</i>	ON/OFF	Determines the On/Off status of the Reverb effect.
Reverb Type	<i>Reverb</i>	01–10	Determines the Reverb type. Refer to the Reverb Type list on page 67.
Reverb Level	<i>RevLevel</i>	000–127	Determines how much of the Voice's signal is sent to the Reverb effect.
Panel Sustain	<i>Sustain</i>	ON/OFF	Determines whether or not Panel Sustain is always applied to the Main voice. Panel Sustain is applied continuously when ON, or not applied when OFF.
Main Voice Volume	<i>M. Volume</i>	000–127	Determines the volume of the Main Voice.
Main Voice Octave	<i>M. Octave</i>	-2–0–2	Determines the octave range for the Main Voice.
Local On/Off	<i>Local</i>	ON/OFF	Determines whether the instrument's keyboard controls the internal tone generator (ON) or not (OFF).
External Clock	<i>ExtClock</i>	ON/OFF	Determines whether the instrument synchronizes to the internal clock (OFF) or an external clock (ON).
Initial Setup Send	<i>InitSend</i>	YES/NO	Lets you send the data of the panel settings. Use the [+] button to transmit the data.
Time Signature Numerator	<i>TimeSigN</i>	00–60	Determines the time signature of the Metronome.
Time Signature Denominator	<i>TimeSigD</i>	02 (♩), 04 (♩), 08 (♩), 16 (♩)	Determines the basic note value.
Metronome Volume	<i>MetroVol</i>	000–127	Determines the volume of the Metronome.
Demo Cancel	<i>D-Cancel</i>	ON/OFF	Determines whether Demo cancel is enabled or not. When this is set to ON, the Demo Song will not play, even if the [DEMO] button is pressed.

About MIDI

The instrument features a MIDI terminals that can be connected to other MIDI instruments and devices for expanded musical functionality.

What is MIDI?

MIDI (Musical Instrument Digital Interface) is a world-standard interface for communication between electronic musical instruments and music devices. When MIDI-equipped instruments are connected via a MIDI cable, it becomes possible to transfer performance and setting data between them for significantly enhanced performance and production potential.



CAUTION

- *Connect the EZ-200 to external equipment only after turning off power for all devices. Then, turn on the power, first to the EZ-200, then to the connected external equipment.*

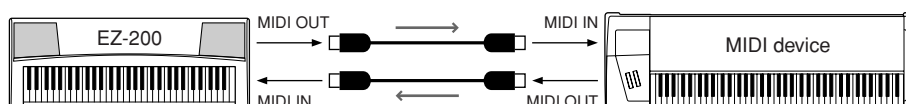
What You Can Do With MIDI

- Transferring performance and setting data between the EZ-200 and MIDI-equipped instruments or computers. (page 55)

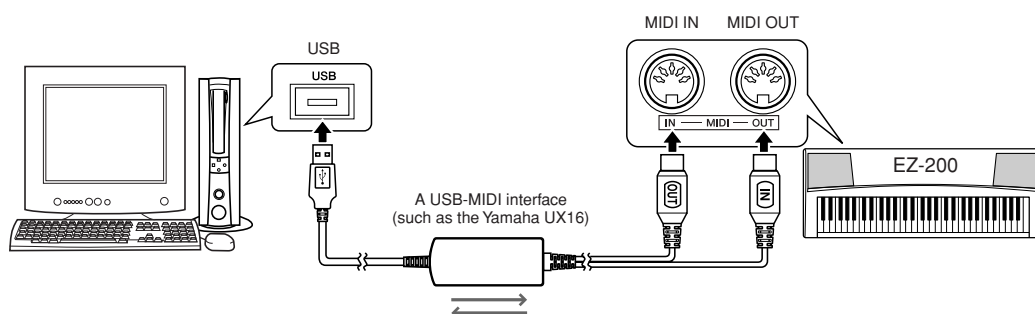
Transferring Performance Data To and From Another Instrument

By connecting the EZ-200 to other MIDI devices or a computer, the performance data of the instrument can be used on those other MIDI devices or computer, and also the performance data from other MIDI devices and computer can be received and sounded with the EZ-200.

- When the instrument is connected with another MIDI device, it transmits/receives performance data.



- When the instrument is connected with a computer, it transmits/receives performance data.



A Yamaha UX16 or similar USB-MIDI interface (sold separately) will be necessary for MIDI connection between the EZ-200 and a USB-equipped computer.

Make sure to purchase a Yamaha UX16 or a quality USB-MIDI interface at a musical instrument store, computer store or electrical appliance store.

If you use the UX16 interface, install the driver supplied with the interface on your computer.



- When using a computer, special software (sequencer software) is needed.

■ MIDI settings

These settings should be made when transmitting/receiving performance data to a connected MIDI device or computer.

Local Settings

Local Control determines whether or not notes played on the instrument are sounded by its internal tone generator system; the internal tone generator is active when local control is on, and inactive when local control is off.

- On** This is the normal setting in which notes played on the instrument's keyboard are sounded by the internal tone generator system. Data received via the instrument's MIDI terminal will also be played by the internal tone generator.
- Off** With this setting the instrument itself produces no sound (keyboard performance, or Style playback), but the performance data is transmitted via the MIDI terminal. Data received via the instrument's MIDI terminal will be played by the internal tone generator.

You can set the Local Control in the Function Settings (page 53).

CAUTION

- If you can't get any sound out of the instrument, Local Control may be the most likely cause. Playing the keyboard results in no sound when Local is set to OFF.

External Clock Settings

These settings determine whether the instrument is synchronized to its own internal clock (OFF), or to a clock signal from an external device (ON).

- On**..... The instrument's time based functions will be synchronized to the clock from an external device connected to the MIDI terminal.
- Off** The instrument uses its own internal clock (default).

You can set the External Clock in the Function Settings (page 53).

CAUTION

- If External Clock is ON and no clock signal is being received from an external device, the Song, Style, and metronome functions will not start.

EZ-200 Panel Setting Transmission (Initial Send)

Sends the EZ-200 panel settings to an external MIDI device.

When recording a EZ-200 performance to an external computer, sequencer or similar equipment, you can use this function to send the current EZ-200 panel settings so that when the sequence is played back the original panel settings are automatically restored.

You can set Initial Send in the Function settings (page 53).

Troubleshooting

Problem	Possible Cause and Solution
When the instrument is turned on or off, a popping sound is temporarily produced.	This is normal and indicates that the instrument is receiving electrical power.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
There is no sound even when the keyboard is played or when a Song or Style 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. (See page 56, 53.)
Playing keys in the right hand area of the keyboard does not produce any sound.	When using the Dictionary function (page 50), the keys in the right hand area are used only for entering the chord root and type.
• The volume is too soft. • The sound quality is poor. • The rhythm stops unexpectedly or will not play. • All settings have restored to default. • The Song, etc. does not play correctly.	The batteries are low or dead. Replace all six batteries with completely new ones, or use the optional AC adaptor.
The Style or Song does not play back when the [START/STOP] button is pressed.	Is External Clock set to ON? Make sure External Clock is set to OFF; refer to “External Clock Settings” on page 56, 53.
The Style does not sound properly.	Make sure that the Style Volume (page 47) is set to an appropriate level.
	Is the Split Point set at an appropriate key for the chords you are playing? Set the Split Point at an appropriate key (page 36). Is the “ACMP ON” indicator showing in the display? If it is not showing press the [ACMP ON/OFF] button so that it does show.
No rhythm accompaniment plays when the [START/STOP] button is pressed after selecting Style number 093–100 (Pianist).	This is not a malfunction. Style number 093–100 (Pianist) have no rhythm parts, so no rhythm will play. The other parts will begin playing when you play a chord in the accompaniment range of the keyboard if auto accompaniment is turned on.
Not all of the voices seem to sound, or the sound seems to be cut off.	The instrument is polyphonic up to a maximum of 32 notes. If a style or Song is playing back at the same time, some notes/sounds may be omitted (or “stolen”) from the accompaniment or Song.
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 ACMP ON indicator does not appear when the [ACMP ON/OFF] button is pressed.	Always press the [STYLE] button first when you are going to use any style-related function.
The part indications, such as Right, Left and Both Hands, do not appear—even when pressing the [R] or [L] buttons for the Lesson.	Make sure that you are not pressing the [R] or [L] buttons while the Song is playing. If you press one of the part buttons while playing the Song and before starting the Lesson, these buttons serve to mute the corresponding Song tracks. Stop the Song first, then select the desired part and start the Lesson.
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.

Voice List

■ Maximum Polyphony

The instrument 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 Song functions. If the maximum polyphony is exceeded, earlier played notes will be cut off and the most recent notes have priority (last note priority).



- The Voice List includes MIDI program change numbers for each voice. Use these program change numbers when playing the instrument via MIDI from an external device.
- Program Numbers 001 to 128 directly relate to MIDI Program Change Numbers 000 to 127. That is, Program Numbers and Program Change Numbers differ by a value of 1. Remember to take this into consideration.
- 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# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
PIANO				
001	0	112	1	Grand Piano1
002	0	0	1	Grand Piano2
003	0	0	2	Bright Piano
004	0	0	4	Honky-tonk Piano
005	0	0	7	Harpsichord
E.PIANO				
006	0	0	5	Electric Piano 1
007	0	0	6	Electric Piano 2
008	0	0	3	Electric Grand Piano
009	0	0	8	Clavi
ORGAN				
010	0	0	17	Drawbar Organ
011	0	0	18	Percussive Organ
012	0	0	19	Rock Organ
013	0	0	20	Church Organ
014	0	0	21	Reed Organ
ACCORDION				
015	0	0	22	Accordion
016	0	0	24	Tango Accordion
017	0	0	23	Harmonica
GUITAR				
018	0	0	25	Nylon Guitar
019	0	0	26	Steel Guitar
020	0	0	27	Jazz Guitar
021	0	0	28	Clean Guitar
022	0	0	29	Muted Guitar
023	0	0	30	Overdriven Guitar
024	0	0	31	Distortion Guitar
025	0	0	32	Guitar Harmonics
BASS				
026	0	0	33	Acoustic Bass
027	0	0	34	Finger Bass
028	0	0	35	Pick Bass
029	0	0	36	Fretless Bass
030	0	0	37	Slap Bass 1
031	0	0	38	Slap Bass 2

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
032	0	0	39	Synth Bass 1
033	0	0	40	Synth Bass 2
STRINGS				
034	0	0	49	Strings 1
035	0	0	50	Strings 2
036	0	0	51	Synth Strings 1
037	0	0	52	Synth Strings 2
038	0	0	45	Tremolo Strings
039	0	0	46	Pizzicato Strings
040	0	0	41	Violin
041	0	0	42	Viola
042	0	0	43	Cello
043	0	0	44	Contrabass
044	0	0	47	Orchestral Harp
045	0	0	56	Orchestra Hit
CHOIR				
046	0	0	53	Choir Aahs
047	0	0	54	Voice Oohs
048	0	0	55	Synth Voice
SAXOPHONE				
049	0	0	67	Tenor Sax
050	0	0	66	Alto Sax
051	0	0	65	Soprano Sax
052	0	0	68	Baritone Sax
053	0	0	69	Oboe
054	0	0	72	Clarinet
055	0	0	70	English Horn
056	0	0	71	Bassoon
TRUMPET				
057	0	0	57	Trumpet
058	0	0	60	Muted Trumpet
059	0	0	58	Trombone
060	0	0	61	French Horn
061	0	0	59	Tuba
BRASS				
062	0	0	62	Brass Section
063	0	0	63	Synth Brass 1

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
064	0	0	64	Synth Brass 2
FLUTE				
065	0	0	74	Flute
066	0	0	73	Piccolo
067	0	0	76	Pan Flute
068	0	0	75	Recorder
069	0	0	77	Blown Bottle
070	0	0	78	Shakuhachi
071	0	0	79	Whistle
072	0	0	80	Ocarina
SYNTH LEAD				
073	0	0	81	Square Lead
074	0	0	82	Sawtooth Lead
075	0	0	83	Calliope Lead
076	0	0	84	Chiff Lead
077	0	0	85	Charang Lead
078	0	0	86	Voice Lead
079	0	0	87	Fifths Lead
080	0	0	88	Bass & Lead
SYNTH PAD				
081	0	0	89	New Age Pad
082	0	0	90	Warm Pad
083	0	0	91	Poly Synth Pad
084	0	0	92	Choir Pad
085	0	0	93	Bowed Pad
086	0	0	94	Metallic Pad
087	0	0	95	Halo Pad
088	0	0	96	Sweep Pad
PERCUSSION				
089	0	0	12	Vibraphone
090	0	0	13	Marimba
091	0	0	14	Xylophone
092	0	0	115	Steel Drums
093	0	0	9	Celesta
094	0	0	11	Music Box
095	0	0	15	Tubular Bells
096	0	0	48	Timpani
097	0	0	10	Glockenspiel
098	0	0	113	Tinkle Bell
099	0	0	114	Agogo
100	0	0	116	Woodblock
101	0	0	117	Taiko Drum
102	0	0	118	Melodic Tom
103	0	0	119	Synth Drum
104	0	0	120	Reverse Cymbal
SYNTH EFFECTS				
105	0	0	97	Rain
106	0	0	98	Sound Track
107	0	0	99	Crystal
108	0	0	100	Atmosphere

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
109	0	0	101	Brightness
110	0	0	102	Goblins
111	0	0	103	Echoes
112	0	0	104	Sci-Fi
WORLD				
113	0	0	105	Sitar
114	0	0	16	Dulcimer
115	0	0	106	Banjo
116	0	0	107	Shamisen
117	0	0	108	Koto
118	0	0	109	Kalimba
119	0	0	110	Bagpipe
120	0	0	111	Fiddle
121	0	0	112	Shanai
SOUND EFFECTS				
122	0	0	121	Fret Noise
123	0	0	122	Breath Noise
124	0	0	123	Seashore
125	0	0	124	Bird Tweet
126	0	0	125	Telephone Ring
127	0	0	126	Helicopter
128	0	0	127	Applause
129	0	0	128	Gunshot
DRUM KITS				
130	127	0	1	Standard Kit 1
131	127	0	2	Standard Kit 2
132	127	0	9	Room Kit
133	127	0	17	Rock Kit
134	127	0	25	Electronic Kit
135	127	0	26	Analog Kit
136	127	0	28	Dance Kit
137	127	0	33	Jazz Kit
138	127	0	41	Brush Kit
139	127	0	49	Symphony Kit
140	126	0	1	SFX Kit 1
141	126	0	2	SFX Kit 2
142	126	0	113	Sound Effect Kit
XGlite				
143	0	1	1	Grand Piano KSP
144	0	1	2	Bright Piano KSP
145	0	1	3	Electric Grand Piano KSP
146	0	1	4	Honky-tonk Piano KSP
147	0	1	5	Electric Piano 1 KSP
148	0	1	6	Electric Piano 2 KSP
149	0	1	7	Harpsichord KSP
150	0	1	8	Clavi KSP
151	0	1	12	Vibraphone KSP
152	0	1	13	Marimba KSP

Voice List

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
153	0	3	49	Stereo Strings
154	0	3	50	Stereo Slow Strings
155	0	3	53	Stereo Choir
156	0	6	40	Mellow Synth Bass
157	0	6	61	French Horn Solo
158	0	6	81	Square Lead 2
159	0	6	82	Sawtooth Lead 2
160	0	8	41	Slow Violin
161	0	8	45	Slow Tremolo Strings
162	0	8	49	Slow Strings
163	0	8	50	Legato Strings
164	0	8	81	LM Square
165	0	8	82	Thick Sawtooth
166	0	12	40	Sequenced Bass
167	0	12	99	Synth Drum Comp
168	0	14	99	Popcorn
169	0	16	88	Big & Low
170	0	18	34	Finger Dark
171	0	18	40	Click Synth Bass
172	0	18	58	Trombone 2
173	0	18	64	Soft Brass
174	0	18	81	Hollow
175	0	18	82	Dynamic Sawtooth
176	0	18	99	Tiny Bells
177	0	18	100	Warm Atmosphere
178	0	19	40	Synth Bass 2 Dark
179	0	19	81	Shroud
180	0	19	82	Digital Sawtooth
181	0	19	100	Hollow Release
182	0	20	63	Resonant Synth Brass
183	0	20	82	Big Lead
184	0	24	18	70's Percussive Organ
185	0	27	98	Prologue
186	0	28	35	Muted Pick Bass
187	0	28	106	Muted Banjo
188	0	32	3	Detuned CP80
189	0	32	5	Chorus Electric Piano 1
190	0	32	6	Chorus Electric Piano 2
191	0	32	17	Detuned Drawbar Organ
192	0	32	18	Detuned Percussive Organ
193	0	32	20	Church Organ 3
194	0	32	23	Harmonica 2
195	0	32	27	Jazz Amp
196	0	32	28	Chorus Guitar
197	0	32	36	Fretless Bass 2
198	0	32	37	Punch Thumb Bass

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
199	0	32	53	Mellow Choir
200	0	32	57	Warm Trumpet
201	0	32	61	French Horn 2
202	0	32	105	Detuned Sitar
203	0	33	17	60's Drawbar Organ 1
204	0	33	18	Light Organ
205	0	33	36	Fretless Bass 3
206	0	34	17	60's Drawbar Organ 2
207	0	34	36	Fretless Bass 4
208	0	35	7	Harpsichord 3
209	0	35	16	Dulcimer 2
210	0	35	17	70's Drawbar Organ 1
211	0	35	20	Church Organ 2
212	0	35	26	12-string Guitar
213	0	35	49	60's Strings
214	0	35	56	Orchestra Hit 2
215	0	35	62	Trumpet & Trombone Section
216	0	35	87	Big Five
217	0	35	99	Round Glockenspiel
218	0	35	105	Sitar 2
219	0	37	17	60's Drawbar Organ 3
220	0	37	18	Percussive Organ 2
221	0	37	61	Horn Orchestra
222	0	40	1	Piano Strings
223	0	40	17	16+2'2/3
224	0	40	20	Notre Dame
225	0	40	21	Puff Organ
226	0	40	26	Nylon & Steel Guitar
227	0	40	29	Funk Guitar 1
228	0	40	31	Feedback Guitar
229	0	40	33	Jazz Rhythm
230	0	40	34	Bass & Distorted Electric Guitar
231	0	40	39	Techno Synth Bass
232	0	40	40	Modular Synth Bass
233	0	40	45	Suspense Strings
234	0	40	47	Yang Chin
235	0	40	49	Orchestra
236	0	40	50	Warm Strings
237	0	40	53	Choir Strings
238	0	40	55	Synth Voice 2
239	0	40	66	Sax Section
240	0	40	67	Breathy Tenor Sax
241	0	40	99	Glockenspiel Chimes
242	0	40	100	Nylon Electric Piano
243	0	41	1	Dream
244	0	41	6	DX + Analog Electric Piano

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
245	0	41	26	Steel Guitar with Body Sound
246	0	41	29	Muted Steel Guitar
247	0	41	31	Feedback Guitar 2
248	0	41	40	DX Bass
249	0	41	49	Orchestra 2
250	0	41	50	Kingdom
251	0	41	55	Choral
252	0	41	64	Choir Brass
253	0	41	99	Clear Bells
254	0	42	49	Tremolo Orchestra
255	0	42	99	Chorus Bells
256	0	43	25	Velocity Guitar Harmonics
257	0	43	30	Guitar Pinch
258	0	43	34	Finger Slap Bass
259	0	43	38	Velocity Switch Slap
260	0	45	29	Jazz Man
261	0	45	33	Velocity Crossfade Upright Bass
262	0	45	34	Finger Bass 2
263	0	45	49	Velocity Strings
264	0	64	11	Orgel
265	0	64	13	Sine Marimba
266	0	64	17	Organ Bass
267	0	64	19	Rotary Organ
268	0	64	20	Organ Flute
269	0	64	24	Tango Accordion 2
270	0	64	55	Analog Voice
271	0	64	56	Impact
272	0	64	81	Mellow
273	0	64	85	Distorted Lead
274	0	64	88	Fat & Perky
275	0	64	89	Fantasy
276	0	64	100	Nylon Harp
277	0	64	102	Goblins Synth
278	0	64	118	Melodic Tom 2
279	0	64	119	Analog Tom
280	0	65	17	70's Drawbar Organ 2
281	0	65	19	Slow Rotary
282	0	65	20	Tremolo Organ Flute
283	0	65	32	Guitar Feedback
284	0	65	34	Modulated Bass
285	0	65	81	Solo Sine
286	0	65	83	Pure Pad
287	0	65	88	Soft Whirl
288	0	65	97	African Wind
289	0	65	99	Soft Crystal
290	0	65	100	Harp Vox

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
291	0	65	102	Creeper
292	0	65	118	Real Tom
293	0	65	119	Electronic Percussion
294	0	66	17	Cheezy Organ
295	0	66	19	Fast Rotary
296	0	66	32	Guitar Harmonics 2
297	0	66	81	Sine Lead
298	0	66	92	Itopia
299	0	66	97	Carib
300	0	66	100	Atmosphere Pad
301	0	66	118	Rock Tom
302	0	67	17	Drawbar Organ 3
303	0	67	102	Ritual
304	0	68	102	To Heaven
305	0	70	99	Air Bells
306	0	70	102	Night
307	0	71	99	Bell Harp
308	0	71	102	Glisten
309	0	72	99	Gamelimba
310	0	96	15	Church Bells
311	0	96	16	Cimbalom
312	0	96	25	Ukulele
313	0	96	26	Mandolin
314	0	96	82	Sequenced Analog
315	0	96	102	Bell Choir
316	0	96	106	Rabab
317	0	96	108	Taisho-kin
318	0	96	113	Bonang
319	0	96	116	Castanets
320	0	96	117	Gran Cassa
321	0	97	13	Balimba
322	0	97	15	Carillon
323	0	97	16	Santur
324	0	97	105	Tamboura
325	0	97	106	Gopichant
326	0	97	108	Kanoon
327	0	97	113	Altair
328	0	97	115	Glass Percussion
329	0	98	13	Log Drums
330	0	98	106	Oud
331	0	98	113	Gamelan Gongs
332	0	98	115	Thai Bells
333	0	99	113	Stereo Gamelan Gongs
334	0	100	113	Rama Cymbal
335	64	0	1	Cutting Noise
336	64	0	2	Cutting Noise 2

Voice List

Voice No.	Bank Select		MIDI Program Change# (1–128)	Voice Name
	MSB (0–127)	LSB (0–127)		
337	64	0	4	String Slap
338	64	0	17	Flute Key Click
339	64	0	33	Shower
340	64	0	34	Thunder
341	64	0	35	Wind
342	64	0	36	Stream
343	64	0	37	Bubble
344	64	0	38	Feed
345	64	0	49	Dog
346	64	0	50	Horse
347	64	0	51	Bird Tweet 2
348	64	0	56	Maou
349	64	0	65	Phone Call
350	64	0	66	Door Squeak
351	64	0	67	Door Slam
352	64	0	68	Scratch Cut
353	64	0	69	Scratch Split
354	64	0	70	Wind Chime
355	64	0	71	Telephone Ring 2
356	64	0	81	Car Engine Ignition
357	64	0	82	Car Tires Squeal
358	64	0	83	Car Passing
359	64	0	84	Car Crash
360	64	0	85	Siren
361	64	0	86	Train
362	64	0	87	Jet Plane
363	64	0	88	Starship
364	64	0	89	Burst
365	64	0	90	Roller Coaster
366	64	0	91	Submarine
367	64	0	97	Laugh
368	64	0	98	Scream
369	64	0	99	Punch
370	64	0	100	Heartbeat
371	64	0	101	Footsteps
372	64	0	113	Machine Gun
373	64	0	114	Laser Gun
374	64	0	115	Explosion
375	64	0	116	Firework

Drum Kit List

- " " 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 "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.				130	131	132	133	134
		MSB(0-127) / LSB(0-127) / PC(1-128)				127/0/1	127/0/2	127/0/9	127/0/17	127/0/25
		Keyboard		MIDI		Key Off	Alternate Group	Standard Kit 1		
		Note#	Note	Note#	Note			Standard Kit 2	Room Kit	Rock Kit
		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		
C1	C#1	37	C# 1	25	C# 0			Brush Tap		
D1	D#1	38	D 1	26	D 0	O		Brush Swirl		
E1		39	D# 1	27	D# 0			Brush Slap		
F1	F#1	40	E 1	28	E 0	O		Brush Tap Swirl		Reverse Cymbal
G1	G#1	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	Snare H Soft 2	SD Rock H
A1	A#1	44	G# 1	32	G# 0			Sticks		Snare L
B1		45	A 1	33	A 0			Bass Drum Soft		Bass Drum H
C2	C#2	46	A# 1	34	A# 0			Open Rim Shot	Open Rim Shot 2	
D2	D#2	47	B 1	35	B 0			Bass Drum Hard		Bass Drum H
E2		48	C 2	36	C 1			Bass Drum	Bass Drum 2	BD Rock
F2	F#2	49	C# 2	37	C# 1			Side Stick		BD Gate
G2	G#2	50	D 2	38	D 1			Snare M	Snare M 2	SD Room L
A2	A#2	51	D# 2	39	D# 1			Hand Clap		SD Rock L
B2		52	E 2	40	E 1			Snare H Hard	Snare H Hard 2	SD Room H
C3	C#3	53	F 2	41	F 1			Floor Tom L	Room Tom 1	SD Rock Rim
D3	D#3	54	F# 2	42	F# 1	1		Hi-Hat Closed		Rock Tom 1
E3		55	G 2	43	G 1			Floor Tom H	Room Tom 2	SD Rock H
F3	F#3	56	G# 2	44	G# 1	1		Hi-Hat Pedal		E Tom 1
G3	G#3	57	A 2	45	A 1			Low Tom	Room Tom 3	Rock Tom 2
A3	A#3	58	A# 2	46	A# 1	1		Hi-Hat Open		Rock Tom 3
B3		59	B 2	47	B 1			Mid Tom L	Room Tom 4	E Tom 3
C4	C#4	60	C 3	48	C 2			Mid Tom H	Room Tom 5	Rock Tom 4
D4	D#4	61	C# 3	49	C# 2			Crash Cymbal 1		Rock Tom 5
E4		62	D 3	50	D 2			High Tom	Room Tom 6	Rock Tom 6
F4	F#4	63	D# 3	51	D# 2			Ride Cymbal 1		E Tom 6
G4	G#4	64	E 3	52	E 2			Chinese Cymbal		
A4	A#4	65	F 3	53	F 2			Ride Cymbal Cup		
B4		66	F# 3	54	F# 2			Tambourine		
C5	C#5	67	G 3	55	G 2			Splash Cymbal		
D5	D#5	68	G# 3	56	G# 2			Cowbell		
E5		69	A 3	57	A 2			Crash Cymbal 2		
F5	F#5	70	A# 3	58	A# 2			Vibraslap		
G5	G#5	71	B 3	59	B 2			Ride Cymbal 2		
A5	A#5	72	C 4	60	C 3			Bongo H		
B5		73	C# 4	61	C# 3			Bongo L		
C6		74	D 4	62	D 3			Conga H Mute		
		75	D# 4	63	D# 3			Conga H Open		
		76	E 4	64	E 3			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		
		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		
		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		
		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					

Drum Kit List

	Voice No.						130	135	136	137	138
	MSB(0-127) / LSB(0-127) / PC(1-128)						127/0/1	127/0/26	127/0/28	127/0/33	127/0/41
	Keyboard		MIDI		Key Off	Alternate Group	Standard Kit 1	Analog Kit	Dance Kit	Jazz Kit	Brush 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				
C1	37	C# 1	25	C# 0			Brush Tap				
D1	38	D 1	26	D 0	O		Brush Swirl				
E1	39	D# 1	27	D# 0			Brush Slap				
F1	40	E 1	28	E 0	O		Brush Tap Swirl	Reverse Cymbal	Reverse Cymbal		
G1	41	F 1	29	F 0	O		Snare Roll				
A1	42	F# 1	30	F# 0			Castanet	Hi Q 2	Hi Q 2		
B1	43	G 1	31	G 0			Snare H Soft	SD Rock H	AnSD Snappy	SD Jazz H Light	Brush Slap L
C2	44	G# 1	32	G# 0			Sticks				
D2	45	A 1	33	A 0			Bass Drum Soft	Bass Drum H	AnBD Dance-1		
E2	46	A# 1	34	A# 0			Open Rim Shot		AnSD OpenRim		
F2	47	B 1	35	B 0			Bass Drum Hard	BD Analog L	AnBD Dance-2		
G2	48	C 2	36	C 1			Bass Drum	BD Analog H	AnBD Dance-3	BD Jazz	BD Jazz
A2	49	C# 2	37	C# 1			Side Stick	Analog Side Stick	Analog Side Stick		
B2	50	D 2	38	D 1			Snare M	Analog Snare 1	AnSD Q	SD Jazz L	Brush Slap
C3	51	D# 2	39	D# 1			Hand Clap				
D3	52	E 2	40	E 1			Snare H Hard	Analog Snare 2	AnSD Ana+Acoustic	SD Jazz M	Brush Tap
E3	53	F 2	41	F 1			Floor Tom L	Analog Tom 1	Analog Tom 1	Jazz Tom 1	Brush Tom 1
F3	54	F# 2	42	F# 1	1		Hi-Hat Closed	Analog HH Closed 1	Analog HH Closed 3		
G3	55	G 2	43	G 1			Floor Tom H	Analog Tom 2	Analog Tom 2	Jazz Tom 2	Brush Tom 2
A3	56	G# 2	44	G# 1	1		Hi-Hat Pedal	Analog HH Closed 2	Analog HH Closed 4		
B3	57	A 2	45	A 1			Low Tom	Analog Tom 3	Analog Tom 3	Jazz Tom 3	Brush Tom 3
C4	58	A# 2	46	A# 1	1		Hi-Hat Open	Analog HH Open	Analog HH Open 2		
D4	59	B 2	47	B 1			Mid Tom L	Analog Tom 4	Analog Tom 4	Jazz Tom 4	Brush Tom 4
E4	60	C 3	48	C 2			Mid Tom H	Analog Tom 5	Analog Tom 5	Jazz Tom 5	Brush Tom 5
F4	61	C# 3	49	C# 2			Crash Cymbal 1	Analog Cymbal	Analog Cymbal		
G4	62	D 3	50	D 2			High Tom	Analog Tom 6	Analog Tom 6	Jazz Tom 6	Brush Tom 6
A4	63	D# 3	51	D# 2			Ride Cymbal 1				
B4	64	E 3	52	E 2			Chinese Cymbal				
C5	65	F 3	53	F 2			Ride Cymbal Cup				
D5	66	F# 3	54	F# 2			Tambourine				
E5	67	G 3	55	G 2			Splash Cymbal				
F5	68	G# 3	56	G# 2			Cowbell	Analog Cowbell	Analog Cowbell		
G5	69	A 3	57	A 2			Crash Cymbal 2				
A5	70	A# 3	58	A# 2			Vibraslap				
B5	71	B 3	59	B 2			Ride Cymbal 2				
C6	72	C 4	60	C 3			Bongo H				
D6	73	C# 4	61	C# 3			Bongo L				
E6	74	D 4	62	D 3			Conga H Mute	Analog Conga H	Analog Conga H		
F6	75	D# 4	63	D# 3			Conga H Open	Analog Conga M	Analog Conga M		
G6	76	E 4	64	E 3			Conga L	Analog Conga L	Analog Conga L		
A6	77	F 4	65	F 3			Timbale H				
B6	78	F# 4	66	F# 3			Timbale L				
C7	79	G 4	67	G 3			Agogo H				
D7	80	G# 4	68	G# 3			Agogo L				
E7	81	A 4	69	A 3			Cabasa				
F7	82	A# 4	70	A# 3			Maracas	Analog Maracas	Analog Maracas		
G7	83	B 4	71	B 3	O		Samba Whistle H				
A7	84	C 5	72	C 4	O		Samba Whistle L				
B7	85	C# 5	73	C# 4			Guiro Short				
C8	86	D 5	74	D 4	O		Guiro Long				
D8	87	D# 5	75	D# 4			Claves	Analog Claves	Analog Claves		
E8	88	E 5	76	E 4			Wood Block H				
F8	89	F 5	77	F 4			Wood Block L				
G8	90	F# 5	78	F# 4			Cuica Mute	Scratch Push	Scratch Push		
A8	91	G 5	79	G 4			Cuica Open	Scratch Pull	Scratch Pull		
B8	92	G# 5	80	G# 4		2	Triangle Mute				
C9	93	A 5	81	A 4		2	Triangle Open				
D9	94	A# 5	82	A# 4			Shaker				
E9	95	B 5	83	B 4			Jingle Bell				
F9	96	C 6	84	C 5			Bell Tree				
G9	97	C# 6	85	C# 5							
A9	98	D 6	86	D 5							
B9	99	D# 6	87	D# 5							
C10	100	E 6	88	E 5							
D10	101	F 6	89	F 5							
E10	102	F# 6	90	F# 5							
F10	103	G 6	91	G 5							

	Voice No.						130	139	140	141	142
	MSB(0-127) / LSB(0-127) / PC(1-128)						127/0/1	127/0/49	126/0/1	126/0/2	126/0/113
	Keyboard		MIDI		Key Off	Alternate Group	Standard Kit 1	Symphony Kit	SFX Kit 1	SFX Kit 2	Sound Effect 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				
C1	37	C# 1	25	C# 0			Brush Tap				
D1	38	D 1	26	D 0	O		Brush Swirl				
E1	39	D# 1	27	D# 0			Brush Slap				
F1	40	E 1	28	E 0	O		Brush Tap Swirl				
G1	41	F 1	29	F 0	O		Snare Roll				
	42	F# 1	30	F# 0			Castanet				Drum Loop
	43	G 1	31	G 0			Snare H Soft				
	44	G# 1	32	G# 0			Sticks				
A1	45	A 1	33	A 0			Bass Drum Soft	Bass Drum L			
B1	46	A# 1	34	A# 0			Open Rim Shot				
C2	47	B 1	35	B 0			Bass Drum Hard	Gran Cassa			
	48	C 2	36	C 1			Bass Drum	Gran Cassa Mute	Cutting Noise	Phone Call	Heartbeat
D2	49	C# 2	37	C# 1			Side Stick		Cutting Noise 2	Door Squeak	Footsteps
E2	50	D 2	38	D 1			Snare M	Marching Sn M		Door Slam	Door Squeak
	51	D# 2	39	D# 1			Hand Clap		String Slap	Scratch Cut	Door Slam
F2	52	E 2	40	E 1			Snare H Hard	Marching Sn H		Scratch	Applause
G2	53	F 2	41	F 1			Floor Tom L	Jazz Tom 1		Wind Chime	Camera
	54	F# 2	42	F# 1	1		Hi-Hat Closed			Telephone Ring 2	Horn
A2	55	G 2	43	G 1			Floor Tom H	Jazz Tom 2			Hiccup
	56	G# 2	44	G# 1	1		Hi-Hat Pedal				Cuckoo Clock
B2	57	A 2	45	A 1			Low Tom	Jazz Tom 3			Stream
	58	A# 2	46	A# 1	1		Hi-Hat Open				Frog
C3	59	B 2	47	B 1			Mid Tom L	Jazz Tom 4			Rooster
D3	60	C 3	48	C 2			Mid Tom H	Jazz Tom 5			Dog
E3	61	C# 3	49	C# 2			Crash Cymbal 1	Hand Cym. L			Cat
	62	D 3	50	D 2			High Tom	Jazz Tom 6			Owl
	63	D# 3	51	D# 2			Ride Cymbal 1	Hand Cym.Short L			Horse Gallop
	64	E 3	52	E 2			Chinese Cymbal		Flute Key Click	Car Engine Ignition	Horse Neigh
F3	65	F 3	53	F 2			Ride Cymbal Cup			Car Tires Squeal	Cow
G3	66	F# 3	54	F# 2			Tambourine			Car Passing	Lion
	67	G 3	55	G 2			Splash Cymbal			Car Crash	Scratch
A3	68	G# 3	56	G# 2			Cowbell			Siren	Yo!
B3	69	A 3	57	A 2			Crash Cymbal 2	Hand Cym. H		Train	Go!
	70	A# 3	58	A# 2			Vibraslap			Jet Plane	Get up!
C4	71	B 3	59	B 2			Ride Cymbal 2	Hand Cym.Short H		Starship	Whoow!
D4	72	C 4	60	C 3			Bongo H			Burst	
E4	73	C# 4	61	C# 3			Bongo L			Roller Coaster	
F4	74	D 4	62	D 3			Conga H Mute			Submarine	
G4	75	D# 4	63	D# 3			Conga H Open				
A4	76	E 4	64	E 3			Conga L				
B4	77	F 4	65	F 3			Timbale H				Huuuah!
C5	78	F# 4	66	F# 3			Timbale L				
D5	79	G 4	67	G 3			Agogo H				
E5	80	G# 4	68	G# 3			Agogo L		Shower	Laugh	
F5	81	A 4	69	A 3			Cabasa	Thunder		Scream	
G5	82	A# 4	70	A# 3			Maracas	Wind		Punch	
A5	83	B 4	71	B 3	O		Samba Whistle H	Stream		Heartbeat	
B5	84	C 5	72	C 4	O		Samba Whistle L	Bubble		Footsteps	
C6	85	C# 5	73	C# 4			Guiro Short	Feed			
D6	86	D 5	74	D 4	O		Guiro Long				
E6	87	D# 5	75	D# 4			Claves				
F6	88	E 5	76	E 4			Wood Block H				
G6	89	F 5	77	F 4			Wood Block L				
A6	90	F# 5	78	F# 4			Cuica Mute				Uh!+Hit
B6	91	G 5	79	G 4			Cuica Open				
C7	92	G# 5	80	G# 4		2	Triangle Mute				
D7	93	A 5	81	A 4		2	Triangle Open				
E7	94	A# 5	82	A# 4			Shaker				
F7	95	B 5	83	B 4			Jingle Bell				
G7	96	C 6	84	C 5			Bell Tree		Dog	Machine Gun	
A7	97	C# 6	85	C# 5				Horse		Laser Gun	
B7	98	D 6	86	D 5				Bird Tweet 2		Explosion	
C8	99	D# 6	87	D# 5						Firework	
D8	100	E 6	88	E 5							
E8	101	F 6	89	F 5							
F8	102	F# 6	90	F# 5							
G8	103	G 6	91	G 5					Maou		

Style List

Style No.	Style Name
8 Beat	
001	8BeatModern
002	60'sGtrPop
003	8BeatAdria
004	60's8Beat
005	8Beat
006	OffBeat
007	60'sRock
008	HardRock
009	RockShuffle
010	8BeatRock
16 Beat	
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
Disco	
036	70'sDisco
037	LatinDisco
038	SaturdayNight
039	DiscoHands

Style No.	Style Name
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
069	Slowfox
070	Foxtrot
071	Quickstep
072	Tango
073	Pasodoble
074	Samba
075	ChaChaCha
076	Rumba
077	Jive

Style No.	Style Name
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

Effect Type List

● Reverb Types

No.	Reverb Type	Description
01–03	Hall 1–3	Concert hall reverb.
04–05	Room 1–2	Small room reverb.
06–07	Stage 1–2	Reverb for solo instruments.
08–09	Plate 1–2	Simulated steel plate reverb.
10	Off	No effect.

MIDI Implementation Chart

YAMAHA [Portable Keyboard] Date:18-Jan-2007
Model EZ-200 MIDI Implementation Chart Version:1.0

Function...	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 - 16 x	1 - 16 x	
Mode Default Messages Altered	3 x *****	3 x x	
Note Number : True voice	0 - 127 *****	0 - 127 0 - 127	
Velocity Note ON Note OFF	0 9nH, v=1-127 x	0 9nH, v=1-127 x	
After Key's Touch Ch's	x x	x x	
Pitch Bend	x	0	
0, 32	0	0	Bank Select
1	x	0	Modulation wheel
6	x	0	Data Entry (MSB)
38	x	*1	Data Entry (LSB)
7, 10	0	0	Expression
11	x	0	Sustain
64	0	0	
Control Change	71, 73, 74	*1	

72 84 91,93 96,97 100,101	o x o x x	*1	o o o o o	Release Time Portamento Cntrl Effect 1,3 Depth RPN Inc,Dec RPN LSB,MSB
Prog Change : True #	o 0 - 127 *****		o 0 - 127	
System Exclusive	o		o	
: Song Pos. Common : Song Sel. : Tune	x x x		x x x	
System : Clock Real Time: Commands	o o		o o	
:All Sound OFF Aux :Reset All Cntrls :Local ON/OFF Mes- :All Notes OFF sages:Active Sense :Reset	x x x x o x		o(120,126,127) o(121) o(122) o(123-125) o x	

*1 Refer to #2 on page 70.

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

MIDI Data Format

NOTE:

1 By default (factory settings) the instrument 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 instrument 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, 02H, 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 Volume. (Values for "02H" are ignored.)

<MIDI Master Tuning> F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, 02H, cc, F7H

- This message simultaneously changes the tuning value of all channels.
- The values of "mm" and "02H" are used for MIDI Master Tuning.
- The default value of "mm" and "02H" are 08H and 00H, respectively. Any values can be used for "n" and "cc."

<Reverb Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 00H, mmH, 02H, F7H

- mm : Reverb Type MSB
- 02H : Reverb Type LSB

Refer to the Effect Map (page 70) for details.

<Chorus Type> F0H, 43H, 1nH, 4CH, 02H, 01H, 20H, mmH, 02H, F7H

- mm : Chorus Type MSB
- 02H : Chorus Type LSB

Refer to the Effect Map (page 70) 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

* When a Type LSB value is received that corresponds to no effect type, a value corresponding to the effect type (coming the closest to the specified value) is automatically set.

* The numbers in parentheses in front of the Effect Type names correspond to the number indicated in the display.

REVERB

TYPE MSB	TYPE LSB								
	0	1	2	8	16	17	18	19	20
0	No Effect								
1	(01)Hall1				(02)Hall2	(03)Hall3			
2	Room					(04)Room1		(05)Room2	
3	Stage				(06)Stage1	(07)Stage2			
4	Plate				(08)Plate1	(09)Plate2			
5...127	No Effect								

CHORUS

TYPE MSB	TYPE LSB								
	0	1	2	8	16	17	18	19	20
0...63	No Effect								
64	Thru								
65	Chorus		(2)Chorus2						
66	Celeste					(1)Chorus1			
67	Flanger			(3)Flanger1		(4)Flanger2			
68...127	No Effect								

Specifications

Keyboards

- 61 standard-size keys (C1–C6), with Touch Response and Light Guide

Display

- LCD display

Setup

- STANDBY/ON
- MASTER VOLUME: [+], [-] buttons

Panel Controls

- [L], [R], [LISTEN & LEARN], [TIMING], [WAITING], [A-B REPEAT]/[ACMP ON/OFF], [REW]/[INTRO/ENDING/rit.], [FF]/[MAIN/AUTO FILL], [TEMPO/TAP], [PAUSE]/[SYNC START], [START/STOP], [SONG], [STYLE], [VOICE], [FUNCTION], [PORTABLE GRAND], [LIGHT ON/OFF], [TOUCH ON/OFF], [DEMO], [METRONOME ON/OFF], number buttons [0]–[9], [+], [-]

Voice

- Stereo Grand Piano + 361 XGlite voices + 12 drum kits + 1 sound effect kit
- Polyphony: 32

Style

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

Education Feature

- Chord Dictionary
- Lesson: LISTEN&LEARN, TIMING, WAITING

Function

- Style Volume, Song Volume, Transpose, Tuning, Split Point, Touch Sensitivity, Reverb On/Off, Reverb Type, Reverb Level, Panel Sustain, Main Voice Volume, Main Voice Octave, Local On/Off, External Clock, Initial Setup Send, Time Signature Numerator, Time Signature Denominator, Metronome Volume, Demo Cancel

Effects

- Reverb: 9 types

Song

- 100 Preset Songs
- Song Volume

MIDI

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

Auxiliary jacks

- PHONES/OUTPUT, DC IN 12V, MIDI in/out, SUSTAIN

Amplifier

- 2.5W + 2.5W

Speakers

- 12cm x 2

Power Consumption

- 10W (When using PA-3C power adaptor)

Power Supply

- Adaptor: Yamaha PA-3C, PA-130, or an equivalent
- Batteries: Six "AA" size, LR6 or equivalent batteries

Dimensions (W x D x H)

- 945 x 348 x 110 mm
(37-1/4" x 13-2/3" x 4-1/3")

Weight

- 4.7kg (10 lbs. 6 oz.) (not including batteries)

Supplied Accessories

- Music Rest
- Owner's Manual
- Song Book

Optional Accessories

- AC Power Adaptor: PA-3C, PA-130 or an equivalent
- USB-MIDI Interface: UX16
- Footswitch: FC4/FC5
- Keyboard Stand: L-2C
- Headphones: HPE-150/HPE-30

* 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.

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Limited Warranty

90 DAYS LABOR

1 YEAR PARTS

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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.

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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:

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Purchased from _____ Date _____
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YAMAHA CORPORATION OF AMERICA
Electronic Service Division
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Buena Park, CA 90620

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WH74060 XXXPOXXX.X-01A0
Printed in China