

YAMAHA

SINGLE KEYBOARD ORGAN
SK-1000

OWNER'S MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE INSTRUCCIONES

SPECIAL MESSAGE SECTION

PRODUCT SAFETY MARKINGS: Yamaha electronic products may have either labels similar to the graphics shown below or molded/stamped facsimiles of these graphics on the enclosure. The explanation of these graphics appears on this page. Please observe all cautions indicated on this page and those indicated in the safety instruction section.

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:

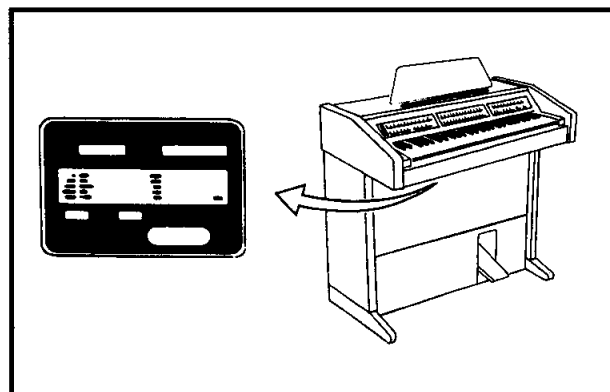
Battery Notice: This product MAY contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

Warning: Do not attempt to recharge, disassemble, or incinerate this type of battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by applicable laws. Note: In some areas, the servicer is required by law to return the defective parts. However, you do have the option of having the servicer dispose of these parts for you.

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.

NOTICE: Service charges incurred due to 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.

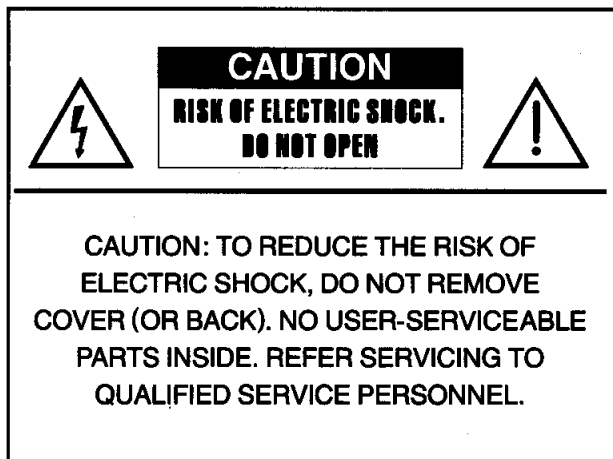
NAME PLATE LOCATION: The graphic below indicates the location of the name plate. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent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



Model _____

Serial No. _____

Purchase Date _____



See bottom of keyboard enclosure for graphic symbol markings.



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



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

IMPORTANT NOTICE: All Yamaha electronic products are tested and approved by an independent safety testing laboratory in order that you may be sure that when it is properly installed and used in its normal and customary manner, all foreseeable risks have been eliminated. DO NOT modify this unit or commission others to do so unless specifically authorized by Yamaha. Product performance and/or safety standards may be diminished. Claims filed under the expressed warranty may be denied if the unit is/has been modified. Implied warranties may also be affected.

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.

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 user's 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.

CANADA

THIS DIGITAL APPARATUS DOES NOT EXCEED THE 'CLASS B' LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATION OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

This applies only to products distributed by Yamaha Canada Music Ltd.

LE PRESENT APPAREIL NUMERIQUE N'EMET PAS DE BRUITS RADIOELECTRIQUES DEPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMERIQUES DE LA 'CLASSE B' PRESCRITES DANS LE REGLEMENT SUR LE BROUILLAGE RADIOELECTRIQUE EDICTE PAR LE MINISTERE DES COMMUNICATIONS DU CANADA.

Ceci ne s'applique qu'aux produits distribués par Yamaha Canada Music Ltd.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Wichtiger Hinweis für die Benutzung in der Bundesrepublik Deutschland.

Bescheinigung des Importeurs

Hiermit wird bescheinigt, daß der/die/das

Gerät: Elektronische Orgel Typ: SK-100

(Gerät, Typ, Bezeichnung)

in Übereinstimmung mit den Bestimmungen der

VERFÜGUNG 1046/84

(Amtsblattverfügung)

funkentstört ist.

Der Deutschen Bundespost wurde das Inverkehrbringen dieses Gerätes angezeigt und die Berechtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt.

Yamaha Europa GmbH

(Name des Importeurs)

Dies bezieht sich nur auf die von der YAMAHA EUROPE GmbH vertriebenen Produkte.

IMPORTANT NOTICE FOR THE UNITED KINGDOM

Connecting the plug and cord
IMPORTANT: THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

BLUE: NEUTRAL

BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Making sure that neither core is connected to the earth terminal of the three pin plug.

Dit produkt is gefabriceerd in overeenstemming met de radiostoringsvoorschriften van de Richtlijn van de Raad (82/499/EEG.)

ΑΥΤΗ Η ΣΥΣΚΕΥΗ ΑΝΤΑΠΟΚΡΙΝΕΤΑΙ ΣΤΙΣ ΑΠΑΙΤΗΣΕΙΣ ΤΩΝ ΟΔΗΓΙΩΝ ΤΗΣ ΕΥΡΩΠΑΙΚΗΣ ΟΙΚΟΝΟΜΙΚΗΣ ΚΟΙΝΟΤΗΤΑΣ 82/499/Ε.Ο.Κ..

Este produto está de acordo com o radio de interferencia frequente requeridos do Conselho Diretivo 82/499/EEC.

Dette apparat overholder det gældende EF-direktiv vedrørende radiostøj.

Cet appareil est conforme aux prescriptions de la directive communautaire 87/308/CEE.

Diese Geräte entsprechen der EG-Richtlinie 82/499/EWG und/oder 87/308/EWG.

This product complies with the radio frequency interference requirements of the Council Directive 82/499/EEC and/or 87/308/EEC.

Questo apparecchio è conforme al D.M.13 aprile 1989 (Direttiva CEE/87/308) sulla soppressione dei radiodisturbi.

Este producto está de acuerdo con los requisitos sobre interferencias de radio frecuencia fijados por el Consejo Directivo 87/308/CEE.

YAMAHA CORPORATION

IMPORTANT SAFETY INSTRUCTIONS

INFORMATION RELATING TO PERSONAL INJURY, ELECTRICAL SHOCK, AND FIRE HAZARD POSSIBILITIES HAS BEEN INCLUDED IN THIS LIST.

WARNING—When using any electrical or electronic product, basic precautions should always be followed. These precautions include, but are not limited to, the following:

1. Read all Safety Instructions, Installation Instructions, Special Message Section items, and any Assembly Instructions found in this manual BEFORE making any connections, including connection to the main supply.

2. Main Power Supply Verification: Yamaha products are manufactured specifically for the supply voltage in the area where they are to be sold. If you should move, or if any doubt exists about the supply voltage in your area, please contact your dealer for supply voltage verification and (if applicable) instructions. The required supply voltage is printed on the name plate. For name plate location, please refer to the graphic found in the Special Message Section of this manual.

3. This product may be equipped with a polarized plug (one blade wider than the other). If you are unable to insert the plug into the outlet, turn the plug over and try again. If the problem persists, contact an electrician to have the obsolete outlet replaced. Do NOT defeat the safety purpose of the plug.

4. Some electronic products utilize external power supplies or adapters. DO NOT connect this type of product to any power supply or adapter other than one described in the owners manual, on the name plate, or specifically recommended by Yamaha.

5. WARNING: Do not place this product or any other objects on the power cord or place it in a position where anyone could walk on, trip over, or roll anything over power or connecting cords of any kind. The use of an extension cord is not recommended! If you must use an extension cord, the minimum wire size for a 25' cord (or less) is 18 AWG. NOTE: The smaller the AWG number, the larger the current handling capacity. For longer extension cords, consult a local electrician.

6. Ventilation: Electronic products, unless specifically designed for enclosed installations, should be placed in locations that do not interfere with proper ventilation. If instructions for enclosed installations are not provided, it must be assumed that unobstructed ventilation is required.

7. Temperature considerations: Electronic products should be installed in locations that do not significantly contribute to their operating temperature. Placement of this product close to heat sources such as; radiators, heat registers and other devices that produce heat should be avoided.

8. This product was NOT designed for use in wet/damp locations and should not be used near water or exposed to rain. Examples of wet/damp locations are; near a swimming pool, spa, tub, sink, or wet basement.

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

10. The power supply cord (plug) should be disconnected from the outlet when electronic products are to be left unused for extended periods of time. Cords should also be disconnected when there is a high probability of lightning and/or electrical storm activity.

11. Care should be taken that objects do not fall and liquids are not spilled into the enclosure through any openings that may exist.

12. Electrical/electronic products should be serviced by a qualified service person when:

- a. The power supply cord has been damaged; or
- b. Objects have fallen, been inserted, or liquids have been spilled into the enclosure through openings; or
- c. The product has been exposed to rain; or
- d. The product does not operate, exhibits a marked change in performance; or
- e. The product has been dropped, or the enclosure of the product has been damaged.

13. Do not attempt to service this product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.

14. 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 a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist. IMPORTANT: The louder the sound, the shorter the time period before damage occurs.

15. Some Yamaha products may have benches and/or accessory mounting fixtures that are either supplied as a part of the product or as optional accessories. Some of these items are designed to be dealer assembled or installed. Please make sure that benches are stable and any optional fixtures (where applicable) are well secured BEFORE using. Benches supplied by Yamaha are designed for seating only. No other uses are recommended.

PLEASE KEEP THIS MANUAL

Taking Care of Your SK-100

Your SK-100 will give you years of playing pleasure if you observe the simple rules given below:

1. Avoid Humidity & Heat

Avoid placing the SK-100 in areas that are subject to excessive humidity or heat. Do not leave the instrument near heaters or in a car exposed to direct sunlight, for example.

2. Avoid Dust & Moisture

Avoid locations in which the instrument is likely to be exposed to excessive dust or moisture.

3. Handle With Care

Never apply excessive force to the controls, connectors or other parts of your SK-100, and avoid scratching or bumping it with hard objects. Also, always turn the POWER switch off after use.

4. Clean Carefully

Clean the cabinet and keys only with a clean, slightly damp cloth. A neutral cleanser may be used if desired. Never use abrasive cleansers, waxes, solvents or chemical dust cloths since these can dull or damage the finish.

5. Never Tamper With the Internal Circuitry

Never open the cabinet and touch or tamper with the internal circuitry. Tampering with the circuitry can result in electrical shock!

6. Electric Interference

Since the SK-100 contains digital circuitry, it may cause interference if placed too close to radio or television receivers. If this occurs, move the instrument further away from the affected equipment.

7. Check Your Power Supply

Make sure that your local AC mains voltage matches the voltage specified on the name plate under the keyboard.

Entretien du SK-100

Le SK-100 vous donnera de grandes satisfactions pendant de longues années si vous observez les quelques mesures de précaution suivantes:

1. Évitez humidité et chaleur

Ne placez jamais le SK-100 là où il pourrait être soumis à une humidité ou à une chaleur excessive, comme par exemple à proximité d'un appareil de chauffage ou dans un véhicule stationné en plein soleil.

2. Évitez poussière et humidité

Évitez tous les endroits où l'instrument pourrait être soumis à de la poussière ou à une humidité excessive.

3. Manipulez avec précaution

Ne manipulez jamais les commandes, les connecteurs et autres pièces du SK-100 avec une force excessive et évitez de rayer ou de heurter l'instrument avec des objets durs. Après utilisation de l'instrument, n'oubliez pas de couper son alimentation électrique.

4. Nettoyez avec soin

Nettoyez le coffret et le clavier utilisant exclusivement un chiffon propre légèrement humide. Il est possible d'utiliser un produit de nettoyage neutre. N'utilisez jamais un produit de nettoyage décapant, de la cire, un solvant, ou un chiffon imprégné de produits chimiques car cela risquerait de ternir et d'endommager le fini.

5. N'essayez jamais d'altérer les circuits internes

N'ouvrez jamais le coffret et n'essayez jamais de toucher ou d'altérer les circuits internes. Le fait de toucher aux circuits internes pourrait provoquer un choc électrique!

6. Parasites électriques

Du fait que le SK-100 contient des circuits numériques, il peut provoquer des parasites et du bruit lorsqu'il est placé trop près d'un récepteur de télévision ou d'un tuner. Si un tel problème se produit, éloignez l'instrument de l'appareil affecté.

7. Vérifiez la source d'alimentation

Vérifiez que la tension spécifiée sur la plaque signalétique, sous le clavier, correspond à la tension du secteur.

Pflege Ihrer SK-100

Wenn Sie die folgenden, einfachen Regeln beachten, werden Sie viele Jahre Spaß an Ihrer SK-100 haben:

1. Vor Staub und Feuchtigkeit schützen

Stellen Sie Ihre SK-100 nicht an Orten auf, wo es übermäßiger Feuchtigkeit oder Wärme ausgesetzt ist. Lassen Sie das Instrument auch nicht neben Heizkörpern oder in einem in der prallen Sonne stehenden Fahrzeug liegen.

2. Vor Staub und Nässe schützen

Vermeiden Sie Aufstellorte, an denen das Instrument übermäßig viel Staub oder Nässe ausgesetzt ist.

3. Mit Umsicht handhaben

Wenden Sie beim Betätigen der Schalter und Regler sowie beim Anschließen und Abtrennen von Steckern nicht zu viel Kraft auf. Schützen Sie die SK-100 auch vor Stößen und Kratzern. Vergessen Sie nach Gebrauch nicht, das Instrument mit dem POWER-Schalter auszuschalten.

4. Regelmäßig reinigen

Reinigen Sie das Gehäuse und die Tasten ausschließlich mit einem sauberen Tuch, das bei Bedarf ein wenig angefeuchtet werden kann. In besonders hartnäckigen Fällen kann auch ein neutrales Reinigungsmittel verwendet werden. Verwenden Sie niemals Scheuermittel, Wachs, Lösungsmittel oder chemisch behandelte Staubtücher, da diese die Gehäuseoberfläche angreifen.

5. Keinesfalls Schaltungen verändern

Niemals das Gehäuse öffnen und interne Schaltungen berühren oder verändern. Ein eigenmächtiger Eingriff kann einen elektrischen Schlag zur Folge haben!

6. Elektrische Störungen

Da die SK-100 digitale Schaltungen enthält, könnte bei zu dichter Platzierung bei einem Fernseh- oder Rundfunkgerät der Empfang beeinträchtigt werden. Stellen Sie Ihr Instrument in einem solchen Fall bitte einfach etwas weiter entfernt auf.

7. Netzspannung überprüfen

Vergewissern Sie sich vor dem Anschließen an das Stromnetz, daß die örtliche Netzspannung den Betriebsspannungswerten auf dem Typenschild unter der Tastatur entspricht.

Cuidados del SK-100

El SK-100 le proporcionará muchos años de placer de interpretación si observa las simples reglas que se mencionan a continuación:

1. Evite la humedad y el calor

No ponga el SK-100 en lugares que estén sujetos a excesiva humedad o calor. No deje el instrumento, por ejemplo, cerca de estufas ni dentro de un automóvil expuesto a la luz directa del sol.

2. Evite el polvo y el agua

Evite los lugares en los que el instrumento pueda quedar expuesto a polvo excesivo o al agua.

3. Manipule con cuidado el instrumento

No aplique nunca fuerza excesiva a los controles, conectores ni otras partes del SK-100, y no la raye ni golpee con objetos duros. Asimismo, desconecte siempre el interruptor POWER después de utilizarlo.

4. Limpie el instrumento con cuidado

Limpie la caja y las teclas solo con un paño limpio y un poco humedecido. Podrá utilizar un detergente neutro si lo desea. No emplee nunca limpiadores abrasivos, ceras, ni solventes o paños de polvo químico porque podrían ensuciar o dañar el acabado.

5. Nunca manipule los circuitos internos

No abra nunca la caja ni toque los circuitos internos. ¡La manipulación de los circuitos puede resultar en una descarga eléctrica!

6. Interferencias eléctricas

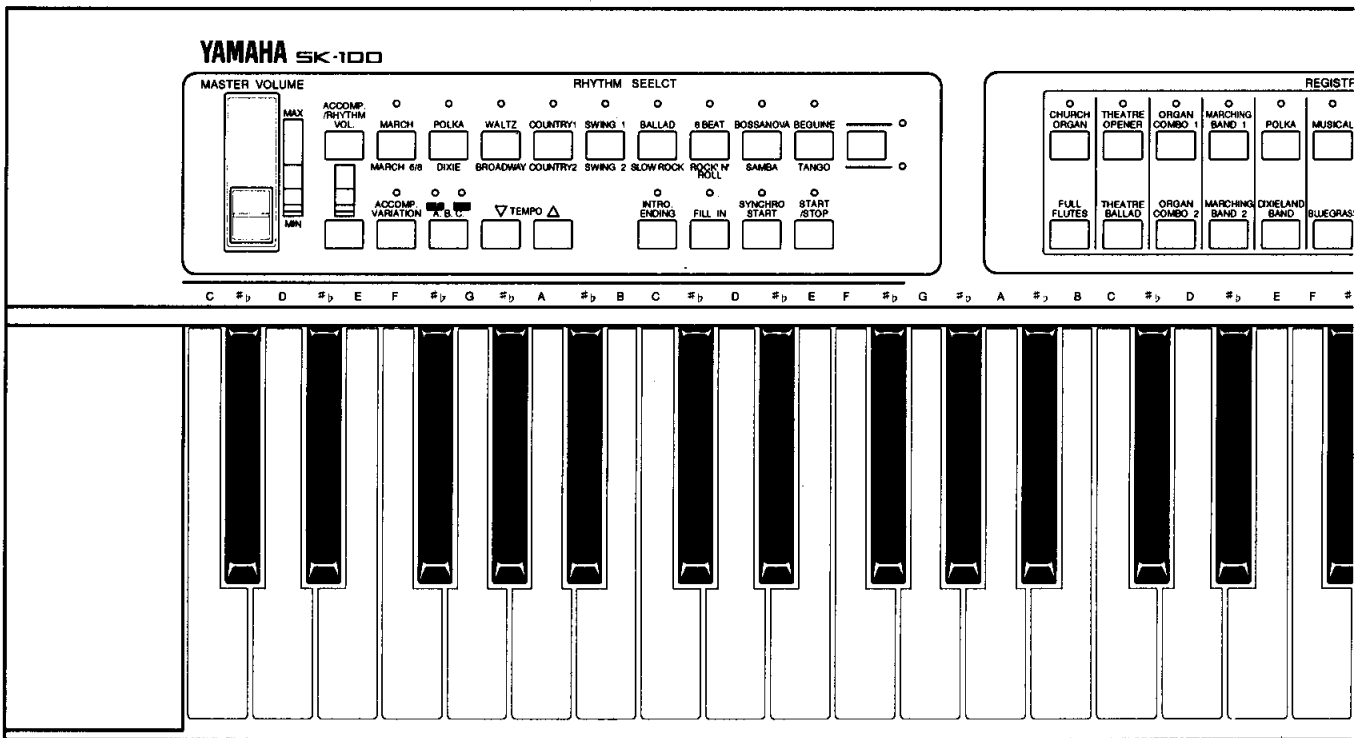
Puesto que el SK-100 contiene circuitos digitales, puede causar interferencia si se coloca demasiado cerca de una radio o televisor. Si así le ocurre, aparte el instrumento del equipo afectado.

7. Compruebe la alimentación de su área

Asegúrese de que tensión de alimentación de CA de su área corresponde con la tensión especificada en la etiqueta bajo el teclado.

SK-100

TOP PANEL



FUNCTION MENU

<input type="checkbox"/> WALTZ	<input type="checkbox"/> BIG BAND	<input type="checkbox"/> HAWAIIAN	<input type="checkbox"/> 60'S SLOW ROCK	<input type="checkbox"/> BOSSANOVA	<input type="checkbox"/> BEGUINE
<input type="checkbox"/> COUNTRY BALLAD	<input type="checkbox"/> BIG BAND 2	<input type="checkbox"/> 60'S ROCK	<input type="checkbox"/> 70'S BALLAD	<input type="checkbox"/> SAMBA	<input type="checkbox"/> TANGO

VOICE SELECT

<input type="checkbox"/> PIPE ORGAN	<input type="checkbox"/> THEATRE ORGAN	<input type="checkbox"/> STRINGS	<input type="checkbox"/> TUTTI	<input type="checkbox"/> CLARINET	<input type="checkbox"/> SAXOPHONE	<input type="checkbox"/> PIANO	<input type="checkbox"/> GUITAR	<input type="checkbox"/> ACCORDION	<input type="checkbox"/>
<input type="checkbox"/> FULL ORGAN	<input type="checkbox"/> JAZZ ORGAN	<input type="checkbox"/> BRASS	<input type="checkbox"/> CHORUS	<input type="checkbox"/> HORN	<input type="checkbox"/> FLUTE	<input type="checkbox"/> VIBRA-PHONE	<input type="checkbox"/> BANJO	<input type="checkbox"/> HAWAIIAN GUITAR	<input type="checkbox"/>
<input type="checkbox"/> TREMOLO (FAST)	<input type="checkbox"/> SUSTAIN	<input type="checkbox"/> M.O.C.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

f b G #b A #b B C #b D #b E F #b G #b A #b B C #b D #b E F #b G #b A #b B C

The image shows a piano keyboard with 88 keys. The keys are arranged in a standard layout with white and black keys. On the right side of the keyboard, there is a control panel with a square button labeled "POWER".

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Main Features

Congratulations and thank you for purchasing the Yamaha SK-100 Single Keyboard Organ! The SK-100 is a sophisticated, high-quality musical instrument, yet is amazingly easy to use. The main features are described here so that you can quickly understand the capabilities of your new SK-100.

Wide Variety of Convenient Registrations

The Registration Menu section provides twenty-four different registrations, allowing you to instantly change all settings for the instrument in real time, as you play. Each registration has been specially created by professional musicians to recreate selected musical styles. (See page 14.)

Exciting Demo Songs and Minus-one Songs

The advanced features of the SK-100 are showcased in the twenty-four Demo songs. These have been professionally recorded for your listening enjoyment and to give you a taste of what the SK-100 can do. (See page 3.) The SK-100 also provides twenty-four Minus-one songs for you to play along and practice with. (See page 15.)

Exceptionally Realistic Voices

The brilliantly authentic voices use Yamaha's special AWM (Advanced Wave Memory) tone generation technology, making the SK-100 a truly expressive musical instrument. Also included among the various voices are such classic organ sounds as jazz, theatre and pipe organ. (See page 16.)

Various Voice Controls and Effects

A special Left Voice function allows you to play two different voices at the same time, one from each hand. (See page 17.) Other effects, such as Tremolo, Sustain and Transpose, give you tools for enhancing or changing the sound of the voices. (See pages 16, 18)

Dynamic Rhythm Patterns

The Rhythm Select section of the SK-100 features authentic drum and percussion sounds, used by expert programmers in creating a total of eighteen rhythm patterns, ranging across all styles of music. (See page 6.)

Comprehensive Automatic Accompaniment

The automatic accompaniment features of the SK-100 — Auto Bass Chord and Accompaniment — provide entertaining and exciting instrumental backing and embellishment for your performance. (See page 10.)

Getting Started

Once you've set up your SK-100 and connected the power cord to an electrical outlet, you're ready to get started and play.

1. Turn on the SK-100 with the POWER switch.



POWER

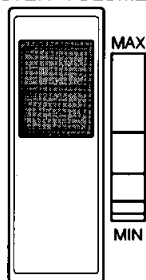
Caution!

Before connecting the SK-100 to any external equipment via the AUX OUT jacks, make sure the power of all related equipment is off. After connections are made, always turn on the SK-100 first.

2. Set the MASTER VOLUME control.

MASTER VOLUME is an overall control which affects the volume of the entire instrument.

MASTER VOLUME



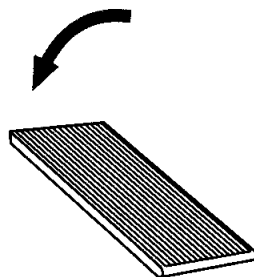
Set the control to roughly this position.
This is the normal playing level.

NOTE

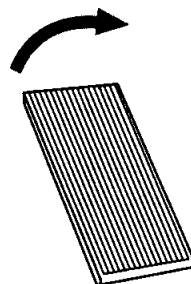
When the SK-100 is turned on, the Church Organ Registration is automatically selected and the A.B.C. function is set to Single Finger. (The default setting for the A.B.C. function can be changed to Fingered; refer to the note on page 11 for details.)

3. Press the Expression Pedal down with your foot.

The Expression Pedal also controls the entire volume of the SK-100. Once you have set the MASTER VOLUME control to a suitable level, you can use the Expression Pedal to change the volume with your foot as you play.



Maximum volume



Minimum volume

For now, press the pedal down slightly beyond the halfway point.

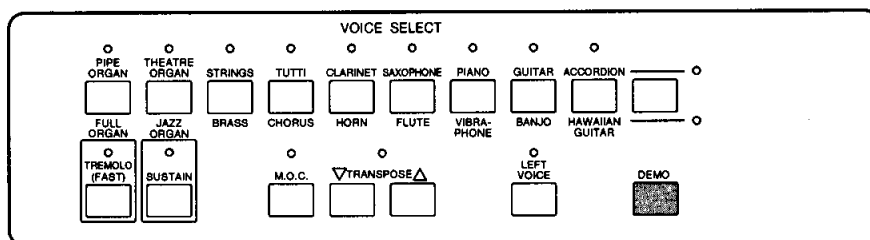
Playing the Demo Songs

The SK-100 features twenty-four different Demo songs, which showcase the various musical styles, rhythms and voices of the instrument.

You can have all twenty-four Demo songs playback automatically (complete with special introduction and ending songs), or play a single selected song.

To play all twenty-four Demo songs:

- 1. Press the DEMO button.**
This selects the Demo play mode, setting Demo playback to standby.



The Registration Menu lamps flash in a pattern to indicate Demo standby.

- 2. Wait a few seconds (without pressing any of the buttons on the panel), and the entire demonstration program will play back automatically.**

The demonstration program features a special introduction song, followed by the twenty-four Demo songs, and concludes with an ending song. The songs themselves, as well as the order of the playback, have been designed especially for your listening enjoyment, and to give you a taste of what is musically possible with your SK-100.

NOTE

Though the Demo songs demonstrate the sophisticated sounds available on the SK-100, it is not possible for you to exactly reproduce the songs by playing them yourself on the SK-100.

■ Stopping Demo Song Playback ■

If you wish to stop the Demo songs before playback is finished, you have two choices:

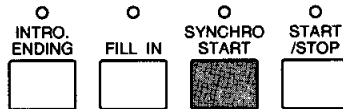
Press the DEMO button.

Press the REGISTRATION MENU button whose lamp is currently lit.

Doing either stops Demo song playback and automatically sets Registration Menu to standby. The registration on standby is the one that was being used by the song, so that you can instantly try playing with the registration yourself. (For information on playing registrations, see page 14.)

To cancel Registration Menu standby:

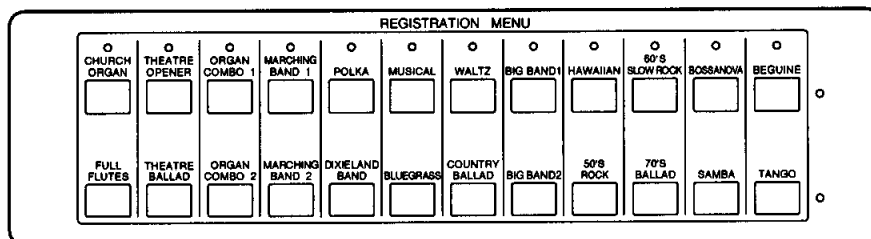
Press the SYNCHRO START button (the SYNCHRO START and START/STOP lamps go out). (Also, if the INTRO. ENDING or FILL IN lamp is lit, press the corresponding button to turn it off and cancel Registration Menu standby.)



This exits the Demo mode (without playing the rhythm/accompaniment of the registration) and returns to normal operation.

To play a single selected Demo song:

1. Press the DEMO button.
2. While the Registration Menu lamps are flashing, press the REGISTRATION MENU button corresponding to the desired song style.



The Demo song plays back, in the musical style indicated by the button's title.

When the song is finished, it stops automatically and returns to Demo standby (the Registration Menu lamps flash in a pattern, and another song can be selected).

NOTE

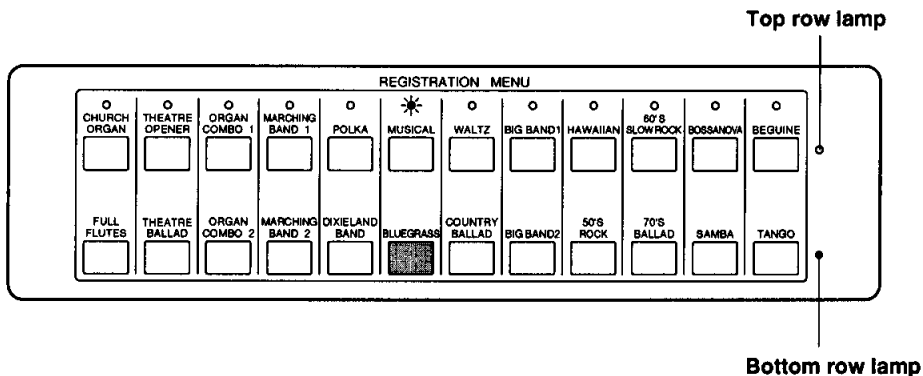
Pressing the START/STOP button in this condition (while the Registration Menu lamps are flashing) starts Demo song playback from the last selected song, and plays back until the ending song.

To leave the Demo play mode, press the DEMO button.

You can stop the song during playback using the same two methods described in Stopping Demo Song Playback above.

■ About the Registration Menu Lamps ■

The Registration Menu lamps indicate the selected Demo song (or, when not in the Demo play mode, the selected registration). The lamps at the top correspond to both buttons immediately below, while the two lamps at the right of the section indicate the row selected. In the example shown below, the BLUEGRASS Demo song is being played back, indicated by the lit bottom row lamp and the flashing lamp above MUSICAL.



NOTE

During Demo playback, only the MASTER VOLUME control and Expression Pedal can be used. All other controls, as well as the keyboard, are temporarily disabled.

NOTE

Though the Transpose controls do not affect Demo playback, any Transpose settings that are made before playing the Demo song(s) are remembered and called up once DEMO playback is finished.

Rhythm Select

and A.B.C. Automatic Accompaniment

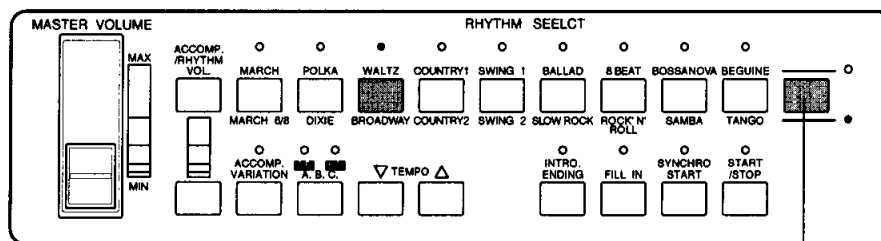
The Rhythm Select features of the SK-100 use actual samples of drum and percussion sounds for automatically playing the eighteen different rhythm patterns. The A.B.C. (Auto Bass Chord) automatic accompaniment functions also use the rhythm patterns, providing appropriate and completely automatic accompaniment to match the style of the rhythm pattern selected.

II Selecting and Playing Rhythm Patterns II

Even though a rhythm pattern is automatically called up with the registration you select (excepting the Church Organ registration), you can change the pattern in the Rhythm Select section.

To select and play a rhythm pattern:

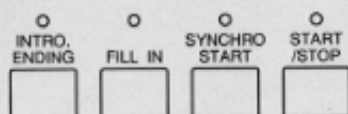
1. Press the Rhythm Bank button to select the desired row of rhythm patterns. (The appropriate lamp, top or bottom, lights.)
2. Press the button corresponding to the desired rhythm pattern. For example, to select the Broadway rhythm pattern, press the Rhythm Bank button so that the bottom row lamp lights, then press the WALTZ/BROADWAY button.



Rhythm Bank button

An alternate method is to press the same rhythm pattern button once or twice until the desired pattern is selected. For example, if you press WALTZ/BROADWAY and the Waltz pattern is selected, pressing the same button again switches to the Broadway pattern.

3. Turn the rhythm pattern on. You can do this in one of three ways, using the buttons shown below:

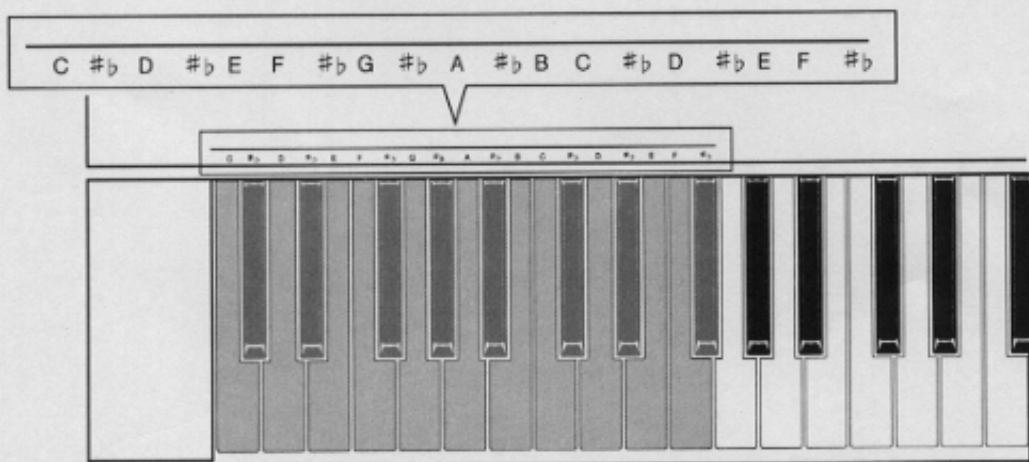


Using the START/STOP button

This button does as its name indicates; the rhythm pattern begins as soon as the button is pressed. To stop the pattern, press the button again.

Using the Synchro Start function

Press the SYNCHRO START button to put the rhythm pattern in standby condition. (The SYNCHRO START lamp lights and the START/STOP lamp flashes.) The rhythm pattern and the automatic accompaniment start when you press a key in the Split Left (left-hand) section of the keyboard.



The line above the keys indicates the range of the Split Left section.

NOTE

When both the A.B.C. and Left Voice functions are off, any key on the keyboard can be used for starting the rhythm with Synchro Start.

For more on automatic accompaniment, see page 10.

Using the INTRO. ENDING button

Pressing this button (before using START/STOP or SYNCHRO START to start the rhythm pattern) automatically enables a short introduction pattern. This is particularly useful when playing along with the A.B.C. function, since it allows you to have an automatic introduction to your performance.

Pressing the INTRO. ENDING button again while the pattern is being played will automatically add an ending phrase before stopping the rhythm.

■ Count In Start ■

You can use the Count In function (instead of the INTRO function) to automatically play a special one-measure count, with a click on each beat, to cue you into the beginning of the rhythm/accompaniment. To do this, simultaneously hold down the INTRO. ENDING button and press the START/STOP button.

■ About the Rhythm Display ■

When a rhythm pattern is playing, the SYNCHRO START and START/STOP lamps flash in time with the rhythm. The START/STOP lamp flashes on every beat, while the SYNCHRO START lamp flashes only on the first beat, to indicate the start of each measure.

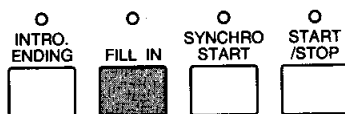
The START/STOP lamp also flashes (in time with the current tempo) when the Synchro Start function is on standby.

■ Fill In Patterns ■

Fill In patterns are designed to be used as temporary and regular rhythmic breaks to spice up a repeating rhythm pattern. Like the regular rhythm patterns, all Fill In patterns have been designed to perfectly match the bass and chord parts of the A.B.C. automatic accompaniment.

To use the Fill In patterns:

While a rhythm pattern is playing, occasionally press the FILL IN button.

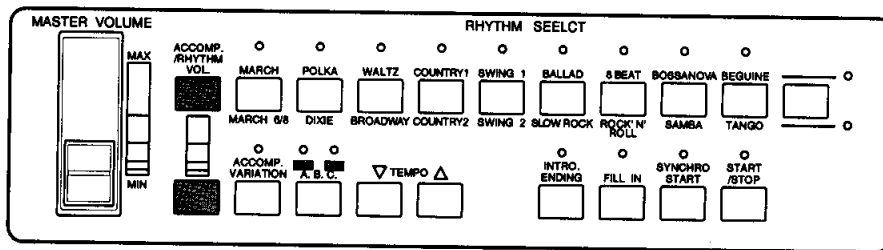


For best results, press the FILL IN button just at the beginning or first beat of a measure.

Fill In patterns can also be used as introductions; simply press the FILL IN button before starting the rhythm with the START/STOP or SYNCHRO START buttons.

You can also play "partial" Fill In patterns, starting the Fill In within a bar. This plays only the final one or two beats of the Fill In pattern and helps create additional rhythmic interest. Since the Fill In function is very sensitive to bar/beat boundaries, you should be careful to "play" the FILL IN button precisely on (or just slightly before) the beat that you want the Fill In pattern to begin.

4. Set the volume of the rhythm pattern with the ACCOMPANIMENT/ RHYTHM VOLUME control.



Press one of the buttons repeatedly in the direction you wish to adjust the volume. This control affects not only the volume of the rhythm sounds, but also the bass and chordal accompaniment of the A.B.C. function. It is used to adjust the level balance between the main voice and the rhythm/accompaniment.

NOTE

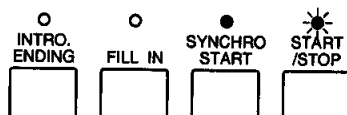
Setting this control to the minimum does not result in a level of zero; the level is low but is still output.

5. Set the tempo with the TEMPO buttons.



The TEMPO buttons allow you to change the speed of the rhythm within a range of 40 to 240 beats per minute. Press one of the TEMPO buttons, according to whether you want to increase the tempo (▲) or decrease it (▼). Hold either button down to quickly move in the selected direction. To restore the normal tempo setting, press both TEMPO buttons simultaneously.

You should have the rhythm pattern running, so that you can hear the changes you make to the tempo setting. However, when Synchro Start is enabled, you can check the tempo visually before starting the rhythm with the flashing START/STOP lamp.



■ Automatic Accompaniment — Auto Bass Chord and Accompaniment Variation ■

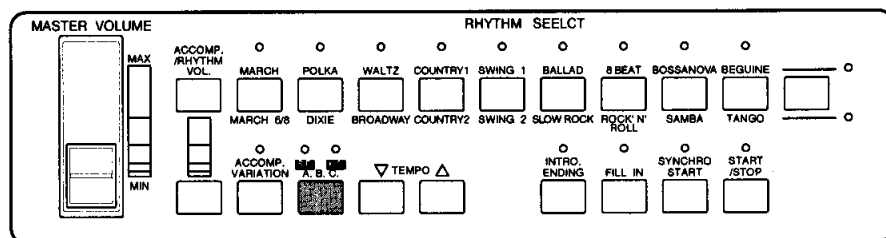
The automatic accompaniment features of the SK-100 — Auto Bass Chord (A.B.C.) and Accompaniment Variation — work with the rhythm patterns in automatically producing bass and chord accompaniment as you play. Depending on the feature or mode selected, you can play anything from a single note to a full chord in the Split Left section of the keyboard, and hear complete, rhythmical accompaniment that perfectly follows the chord changes you play.

■ Auto Bass Chord ■

There are two A.B.C. modes: **Single Finger and Fingered Chord.**

To use the A.B.C. feature:

- 1 ■ Press the A.B.C. button to turn A.B.C. on and select the desired mode, **Single Finger or Fingered.**



Each press of the button cycles through the three choices: Off, S.F. (Single Finger) and F.C. (Fingered Chord). Both lamps are off when A.B.C. is off.

■ Single Finger ■

The Single Finger mode provides the fastest and easiest means to obtain many different chord/bass combinations, by simply using one, or at most, two or three fingers to play the chords. Refer to the chart below, Chords Recognized in the Single Finger Mode, for details on playing chords in this mode.

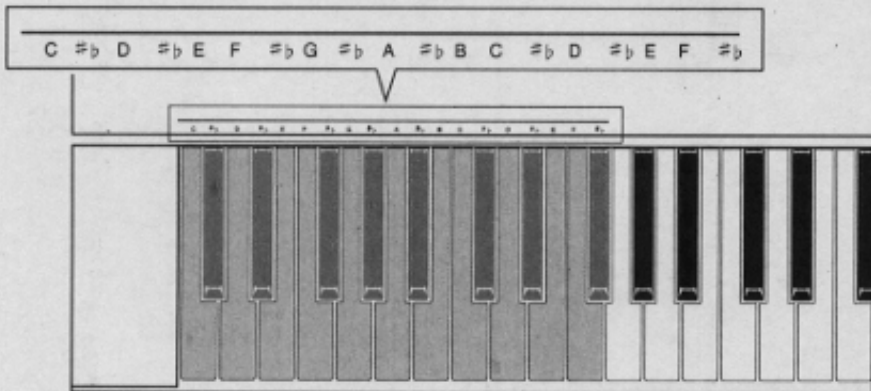
■ Fingered Chord ■

The Fingered Chord mode automatically produces bass and chord accompaniment for chords played in the Split Left section of the keyboard. It allows you to use a wider range of chord types than in the Single Finger mode. In the Fingered Chord mode, you play all the notes of the chord while the Auto Bass Chord function automatically selects the appropriate bass pattern and rhythmic accents. Refer to the chart below, Chords Recognized in the Fingered Chord Mode, for details on playing chords in this mode.

2. With a rhythm pattern running, play different chords in the Split Left section of the keyboard.

Auto Bass Chord provides automatic accompaniment specially tailored for the music style in which you play. As long as the rhythm is playing, you can even release your fingers from the keyboard and the chord and accompaniment patterns will continue to sound, changing only when you play another chord.

Split Left Keys



NOTE

When the SK-100 is turned on, the A.B.C. function is automatically set to a default of Single Finger.

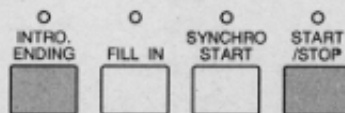
To change the default setting to Fingered, turn the power off, then simultaneously hold down the A.B.C. button and turn the power back on again.

If you want to restore the original Single Finger default setting, turn the power back on without holding down the A.B.C. button.

NOTE

The Split Left point is fixed and cannot be changed.

3. To stop the automatic accompaniment, press the INTRO. ENDING button (to automatically play an ending pattern) or the START/STOP button.



■ Chords Recognized in the Single Finger Mode (Key of C) ■

Chord types that can be produced in Single Finger mode are major, minor, seventh and minor seventh. The illustration below shows how to produce the four chord types. (The key of C is used as an example; other keys follow the same rules.)

Major chords:

Press the root note of the chord (the note that corresponds to the chord's name).



Minor chords:

Simultaneously press the root note and any one black key to the left of it.



7th chords:

Simultaneously press the root note and any one white key to the left of it.



Minor 7th chords:

Simultaneously press the root note together with any white and any black key to the left of it (three keys altogether).



NOTE

The "black key" keys follow the same rules; for example, B^{b7} could be played as B^b and A (the white key to the left of it).

■ Playing Single Finger Chords Without Rhythm ■

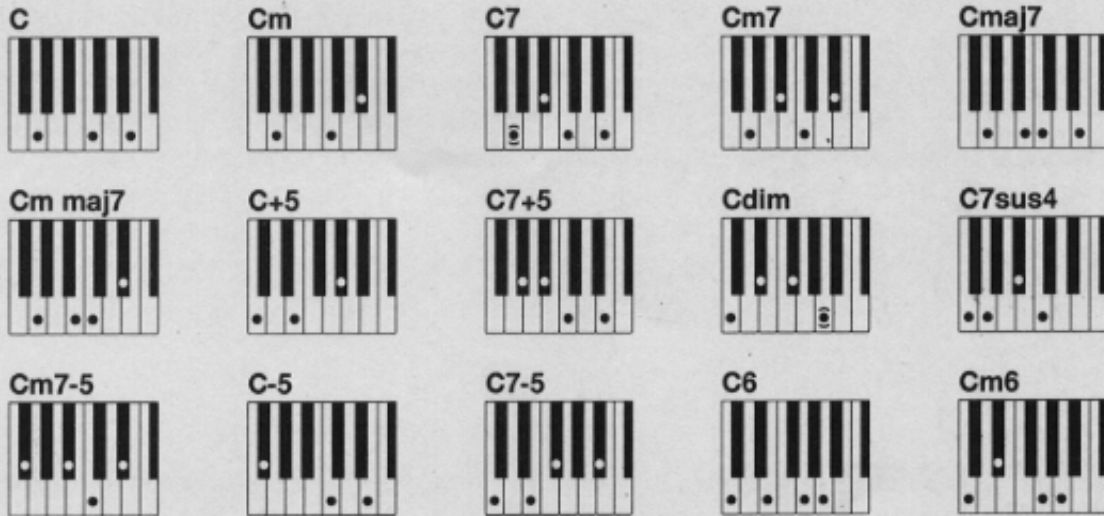
Auto Bass Chord is generally used with rhythm patterns to create full rhythmic accompaniment, but it can also be used in the Single Finger mode to add full continuous chords to your performance without the use of the rhythm. Simply leave the rhythm off in Single Finger mode, and play Single Finger chords from the Split Left section of the keyboard.

NOTE

If you forget to cancel the Single Finger or Fingered Chord accompaniment functions, single notes that you play will be sounded as continuous chords.

■ Chords Recognized in the Fingered Chord Mode ■

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



NOTE

Because of the range of the Split Left section, the following chords cannot be recognized: B^{b6}, B⁶, B⁺⁵, B^{b6}, B^{m6}, A⁷⁻⁵, B^{b7-5} and B⁷⁻⁵.

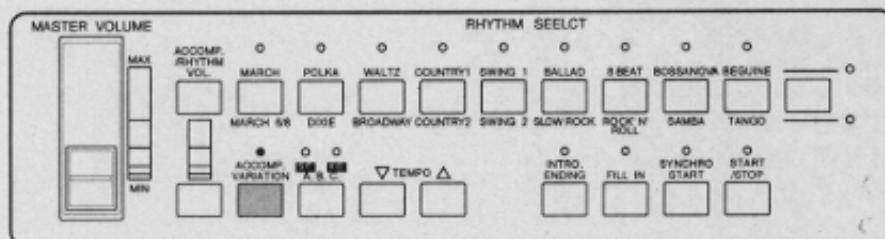
■ Accompaniment Variation ■

The Accompaniment Variation function works with the A.B.C. accompaniment and the rhythm patterns to automatically add arpeggiated chords and other instrumental embellishments. Two Accompaniment Variation types are available.

To use the Accompaniment Variation function:

While the A.B.C. feature is on, press the ACCOMPANIMENT VARIATION button.

Each press of the button switches between the two types. Keep in mind that Accompaniment Variation can only be used when A.B.C. is on.



Registration Menu

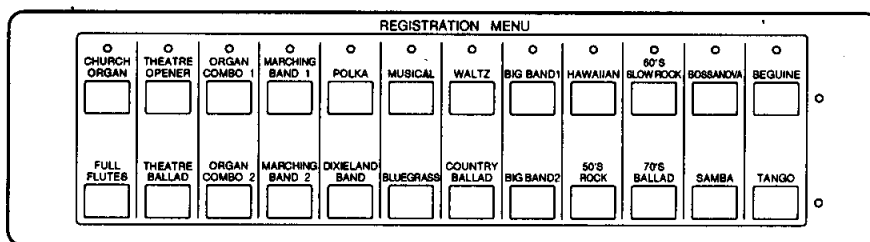
The convenient Registration Menu section lets you instantly change the various settings of the SK-100. Each registration has been specially programmed and includes appropriate voice, rhythm and accompaniment selections for the corresponding music styles. This means that you can call up the necessary settings for any one of twenty-four different music styles simply by pressing a single button.

II Selecting Registrations II

To use one of the Registration Menu settings:

Press the REGISTRATION MENU button corresponding to the desired style.

The selected registration is indicated by the Registration Menu lamps. (See About the Registration Menu Lamps on page 5.)



Also, the SYNCHRO START lamp lights and the START/STOP lamp flashes, indicating that the rhythm and/or accompaniment for the selected style are ready to play. You can start the rhythm by pressing a key in the Split Left section of the keyboard (any key in the lowest octave and a half, C1 to F#2). (This method of starting the rhythm is called Synchro Start; see page 7 for details.)

You can stop the rhythm and accompaniment by pressing either the START/STOP button or the INTRO. ENDING button. For more information on using the automatic accompaniment features of the SK-100, refer to the section, Automatic Accompaniment, on page 10.

The Tempo, volume and voice/rhythm balance settings are automatically fixed for each registration. When selecting other rhythm patterns or voices, the original volume and balance set in the registration are maintained.

NOTE

Only the Church Organ registration does not have corresponding rhythm and accompaniment selections. However, if you select the Church Organ registration while a rhythm pattern is running, the default rhythm style March is automatically selected.

NOTE

When the power is turned on, the Church Organ registration is automatically selected.

NOTE

Changing registrations while a rhythm pattern is running changes the rhythm pattern but does not stop the rhythm. Also, changing registrations has no effect on Transpose settings.

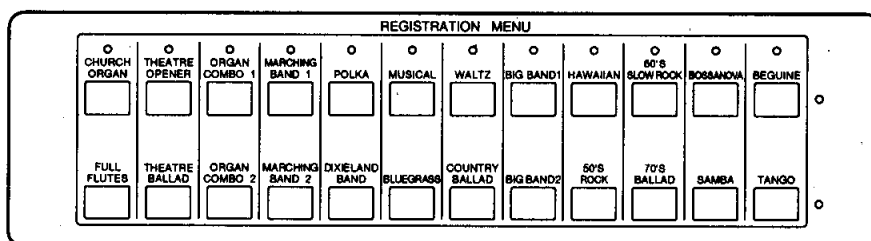
Minus-One Songs

The SK-100 also features twenty-four special Minus-One songs with which you can play along or practice. The songs are independent of the Demo songs, but correspond to the styles of the Registration Menu. Almost all songs consist of four separate parts: melody, chords, rhythm/accompaniment, and a special accompaniment part to guide you in playing the melody. Although all parts have been recorded, you can take out the melody or chord parts and play them yourself, from the appropriate section of the keyboard. To help you in playing along with the Minus-One songs, music scores for all the songs are provided on pages 21-34.

Try playing along with some of the songs yourself now.

To play along with the Minus-One songs:

Press the REGISTRATION MENU button corresponding to the desired style twice quickly.



The selected song immediately starts to play following a brief introduction. Though all parts will play back, you can interrupt either the melody or chord parts by playing the part yourself. In other words, as soon as you start playing the part, the part played by the SK-100 will be muted automatically. Play the chords with your left hand in the Split Left section of the keyboard (using the Single Finger method; see page 10), and the melody with your right hand in the keys above the Split Left split point (F#2). Try playing either or both parts, following along with the scores provided on pages 21-34.

Though the default setting for playing the chord part is Single Finger, you can change this to Fingered Chord (see page 10). The playback tempo of the Minus-One song can also be changed by using the TEMPO buttons. However, except for the A.B.C. mode, MASTER VOLUME control and Expression Pedal, all other panel controls cannot be used during Minus-One song playback.

Playback will stop automatically when the song reaches the end. You can stop playback in the middle by pressing the START/STOP button. When the Minus-One song is stopped, the SK-100 automatically sets Registration Menu to standby. (For more information on Registration Menu standby, see Stopping Demo Song Playback on page 4.)

NOTE

The melody voice played with the right hand is monophonic (only one note can be played at a time).

NOTE

Once the melody or chord part has been muted, it cannot be restored while the song is playing. The song must be started again (as described above) for all parts to play back.

Voice Select

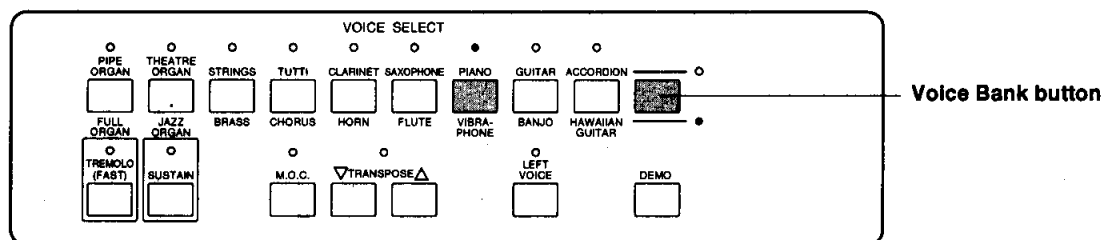
The Voice Select section provides eighteen different high-quality instrument sounds, selectable from two banks. The TRANSPOSE buttons in the section give you control over the pitch of the selected voice, while Tremolo and Sustain can be used to enhance the sound with special effects. The M.O.C. (Melody On Chord) function automatically adds a harmony part to the melodies you play. The Left Voice feature allows you to play two different voices, one with your left hand and the other with your right.

II Selecting Voices II

Even though a voice is automatically selected when you select a registration in the Registration Menu, you can change the voice in the Voice Select section.

To select a voice:

1. Press the Voice Bank button to select the desired row of voices.
(The appropriate lamp, top or bottom, lights.)
2. Press the button corresponding to the desired voice.
For example, to select the Vibraphone voice, press the Voice Bank button so that the bottom row lamp lights, then press the PIANO/VIBRAPHONE button.



An alternate method is to press the same voice button once or twice until the desired voice is selected. For example, if you press PIANO/VIBRAPHONE and the Piano voice is selected, pressing the same button again switches to the Vibraphone voice.

II Transpose II

The Transpose controls allow you to change the key or pitch of the instrument in half-step (semitone) units. The range is one octave, -6 to +6 half-steps.

To change the Transpose setting:

Press one of the TRANSPOSE buttons, ▼ or ▲, in the direction you wish to transpose the pitch. Play the keyboard as you change the setting, to hear the new pitch.

The lamp lights when Transpose has been set to a pitch other than normal. To restore the normal Transpose setting, press both TRANSPOSE buttons simultaneously. (The lamp goes out.)

NOTE

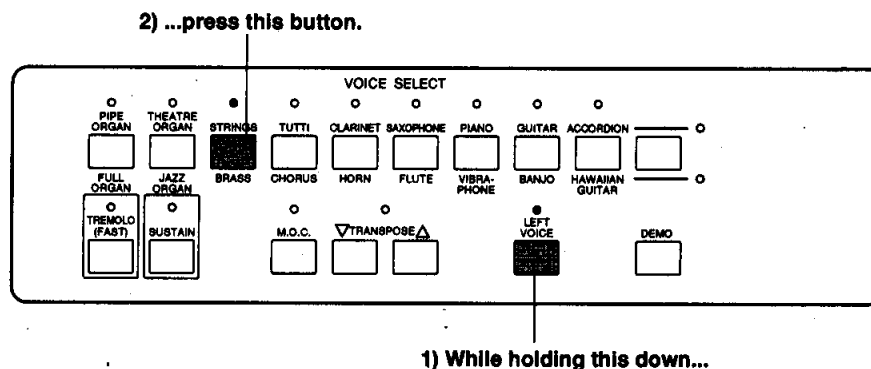
The Transpose setting does not change when you change registrations.

II Left Voice II

The Left Voice function effectively splits the keyboard into two separate sections, allowing you to play one voice from the right section and a different voice from the left. For example, you could use the Strings voice in playing chords with your left hand while playing a melody using the Flute voice with your right. The Left Voice's voice is played from the Split Left section of the keyboard.

To set and use the Left Voice function:

1. With the Left Voice lamp off, press and hold down the LEFT VOICE button. (The lamp lights.)
2. While holding down the LEFT VOICE button, press the button of the voice you wish to assign to the Split Left section.



For example, if you want to play the Strings voice from the Split Left section, simultaneously hold down the LEFT VOICE button (the lamp lights) and press STRINGS. (Make sure that the correct voice bank has been selected; otherwise, the Brass voice will be assigned.)

3. Now, when you release the Left Voice button, the new Left Voice settings will be in effect and you can play them from the Split Left section of the keyboard.

To view the current Left Voice settings (without changing them), press and hold down the LEFT VOICE button. The Voice Select lamps that are lit indicate the current Left Voice settings. In using the Left Voice function, always make sure that the Left Voice lamp is lit. You may, in the course of checking the current settings, inadvertently turn Left Voice off when you want it to be on (and vice versa).

■ About Left Voice and A.B.C. ■

When the Left Voice function and A.B.C. are both on, you will hear both the bass sound of the A.B.C. function and the Left Voice's voice (which will be played in chords, when Single Finger is selected). When Left Voice is on and A.B.C. is off, you will hear only the Left Voice's voice in the Split Left section.

II Tremolo II

Tremolo creates the rich, swirling sound of the popular rotating speaker effect for the organ sounds of the SK-100. Just as with a conventional rotating speaker, you can switch the effect between fast and slow as you play. And like a motor-driven speaker, this realistic Tremolo effect gradually speeds up or slows down when you switch between the two speeds.

To use the Tremolo effect:

- 1. Select an appropriate registration or voice.**
Registrations using Tremolo are Full Flutes, Theatre Opener, Theatre Ballad or Organ Combo 1 and 2. Voices using Tremolo are Theatre Organ, Full Organ and Jazz Organ.
- 2. While playing, simply press the TREMOLO (FAST) button.**

This button functions just like the fast/slow switch on an actual rotating speaker system, switching between a fast rotation Tremolo effect (lamp is lit) and a slow rotation Chorus effect (lamp is off).

NOTE

Tremolo is only applied to the following voices: Theatre Organ, Full Organ and Jazz Organ. Tremolo is also applied to the registrations that use these voices (for example, Full Flutes or Theatre Ballad). Even though the Tremolo lamp can light when other voices/registrations are selected, the actual effect is not applied.

II Sustain II

The Sustain effect adds a natural decay to the voices, making the sound gradually fade out when the keys are released. Sustain can also be applied independently to the main and left voices, when using the Left Voice function.

To turn on Sustain:

Press the Sustain button. (The lamp lights when Sustain is on.)

■ Using Sustain with the Left Voice ■

You can also turn on the Sustain effect independently for the Left Voice. To do this, simultaneously hold down the LEFT VOICE button (the lamp lights) and press the SUSTAIN button (the SUSTAIN lamp also lights). Repeat the procedure to cancel Sustain for the Left Voice.

NOTE

When setting Sustain for the Left Voice, make sure that the Left Voice lamp is lit and that you haven't inadvertently turned the Left Voice function off when changing the setting.

II Melody On Chord II

The Melody On Chord feature automatically adds a harmony part (of one or two notes) to the melodies you play with your right hand, based on the chords you play with your left — or from the chords played with the A.B.C. Automatic Accompaniment (see page 10).

To use the Melody On Chord feature:

While the A.B.C. function is active, press the M.O.C. (Melody On Chord) button. (The lamp lights.)