

**SAMICK**  
**D I G I T A L**

**SDP45 & SG450**



# SAFETY PRECAUTIONS AND INSTRUCTIONS



## WARNING

Make sure that the voltage set is suitable for the instrument (the voltage is indicated next to the power inlet).

When using electric products, always follow basic precautions, including the following:

- 1 Read all of these instructions before using the product.
- 2 To reduce the risk of injury, close supervision is necessary when the product is used near children.
- 3 Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, in a wet basement, near a swimming pool, or the like.
- 4 This product, either alone or in combination with an amplifier and headphones, or speakers 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 your ears, you should consult an audiologist.
- 5 The product should be located so that its location, or position, does not interfere with proper ventilation.
- 6 This product should only be located away from heat sources such as radiators, heat registers, and other products that cause heat.
- 7 The product should be connected only to the type of power supply described in the operating instructions, or as marked on the product.
- 8 This product may be equipped with a polarised plug. This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.
- 9 The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When re-plugging unit, turn on the instrument and leave on for 3-5 hours to recharge internal battery. The battery may need to be replaced after two or three years of use.
- 10 Care should be taken so that objects do not fall, and liquids are not spilled, into the cabinet through openings.
- 11 The product should be serviced by qualified personnel when:
  - a The power-supply cord or the plug has been damaged; or
  - b Objects have fallen, or liquid has been spilled, into the product or
  - c The product has been exposed to rain or
  - d The product does not appear to operate normally, or exhibits a marked change in performance, or
  - e The product has been dropped, or the cabinet damaged
- 12 Do not attempt to service the product beyond that described in the maintenance instructions. All other servicing should be referred to qualified service personnel.

## **GROUNDING INSTRUCTIONS**

This product must be grounded (earthed). In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with the local codes and regulations.

## **DANGER**

Do not modify the plug provided with the product - if it will not fit - have a proper outlet installed by a qualified electrician.

## **TEMPO / VALUE DISPLAY**

The messages contained in the Display may not always match the display pages They are merely examples of the many features of the product.

## **DISCLAIMER**

The information contained in this manual has been very carefully revised. Due to the constant effort to improve the product, the product specifications might differ to those in the manual. The specifications are subject to modification without prior notice.

## **TAKING CARE OF YOUR INSTRUMENT**

Your instrument is a fine instrument and deserves careful treatment.

Follow carefully the next few points, to keep it at it's best for many years.

- Never open the case and touch the internal circuits.
- Always switch the power Off after use.
- Use a cloth or a damp sponge. If the dirt is particularly persistent, use a neutral detergent to remove it. Never use solvents or alcohol.
- Do not place your instrument near electric motors, neon or fluorescent lamps as these may generate disturbances.
- In most cases you just need to change the position of the instrument to avoid interference.
- Keep your instrument away from dusty environments, high humidity, and high temperatures.
- Do not use on the same AC outlet with electrical appliances, neon lights or variable lighting system.
- Before turning on the instrument, make sure that any external amplifier and speaker system that you have connected to your instrument are turned off.
- Computer controlled instruments can be interrupted by spikes, surges and dropouts on the power line. If your instrument stops working because of a power line disturbance, switch it off for a few seconds and then switch it on again.
- Never disconnect the power cable without turning the power switch off.

# GETTING STARTED

## PREPARATION

This section contains information about setting up your instrument and preparing to play. Be sure to go through this section carefully before using this instrument.

## POWER SUPPLY

Plug the DC output cable from the power adapter into DC IN jack in the rear panel of your instrument, then plug the AC cable of your power adapter into a convenient wall AC power socket.

1. Turn on the instrument by pressing the POWER ON/OFF switch located in the back panel.
2. Set the MASTER VOLUME to the desired level. The MASTER VOLUME controls the overall volume for the entire instrument.

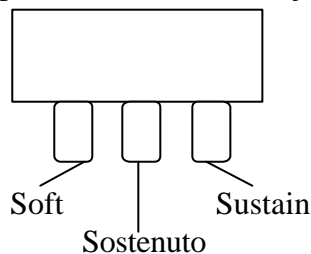
## USING HEADPHONES OR AN EXTERNAL SOUND SYSTEM

A standard stereo headphone can be plugged into the PHONES socket for private practice or late-night playing. The internal speaker system is automatically switched off, when the headphone is plugged into the PHONE socket. There are two sockets available in the rear panel and allow the use of two headphone at the same time.

The LINE OUT (Left and Right) sockets can be used to deliver the output of the sound to an external amplifier, stereo sound system, mixing console or tape recorder.

## SOFT/SOSTENUTO/SUSTAIN PEDAL

Insert the mono jack to the Pedal Input nr 1 and the stereo jack in the Pedal Input nr 2.

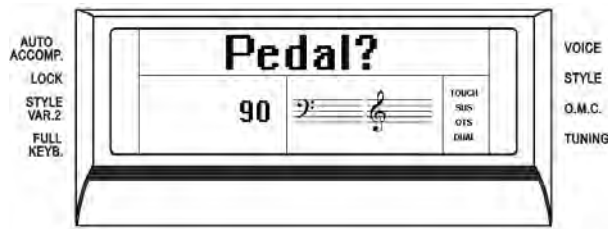


The instrument works with a set of three pedals giving the following functions:

- SOFT:** gives the piano voices a "softer" sound.
- SOSTENUTO:** this allows only the notes pressed on the keyboard before the Sostenuto pedal is activated to sustain and no subsequent notes played afterwards.
- SUSTAIN:** has the same function as the "sustain" pedal on the piano. It provides sustain and lets the sound slowly decay after the keys have been released.

If the 3 Pedals pedalboard is used it is possible to program the Soft and Sostenuto pedals to control the Start /Stop and Fill In features of the style section.

- Press the [FUNCTION] button a few times to select PEDAL on the display:



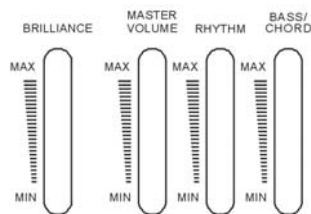
- Press [ENTER] button to confirm the function. The display indicates the current status.
- Use the [+/-] buttons to select Normal or Custom.

In Normal mode the pedals will be used for Soft and Sostenuto.

In Custom mode the pedals will be used for Start/Stop and Fill In.

The display will return to the normal display mode and the Pedal Mode is now set.

## VOLUME SLIDERS



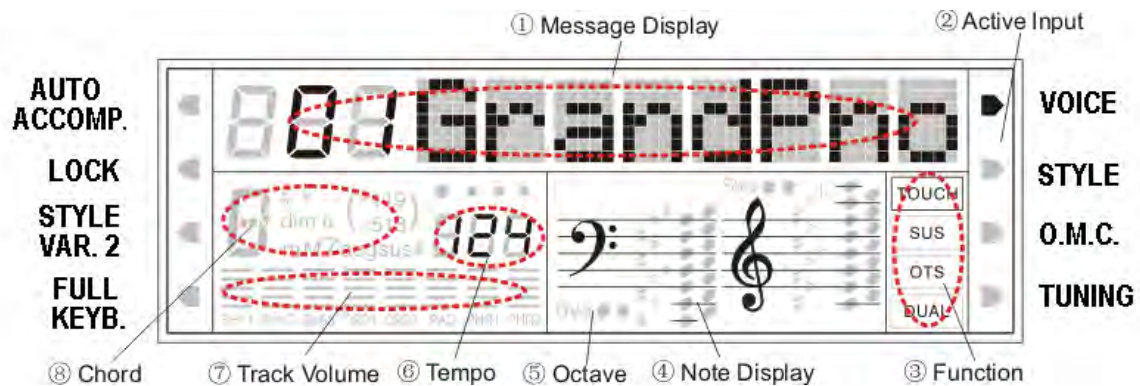
The Brilliance Control slider control adjusts the brightness of the sound. Moving the slider upwards it will make the sound brighter and more aggressive, moving it downwards it will make the sound mellower

The Master Volume slider controls the overall volume of the instrument. It control the volume also when connected to an headphone set .

The Rhythm Volume slider controls the Drum Sounds when playing the automatic accompaniment. The Bass/Chord Volume slider controls the Auto Accompaniment volume when playing the automatic accompaniment.

## PANEL DISPLAY INDICATIONS

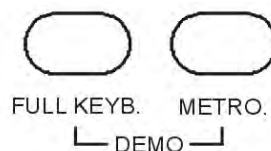
Your instrument features a large multi-function display (INFORMATION DISPLAY) that shows all the important settings for the instrument. The section below briefly explains most of the various icons and indications that may appear in the display.



- (1) **Message Display** - This section displays the demo song, voice or style name and number you have selected. Other important functions and parameters are also displayed in this section.
- (2) **Active Input** – Enables the user to make selection changes. The arrow indicates the active feature.
- (3) **Function** – Indicates the status of the listed parameters: Touch Sensitivity , Sustain, OTS, Dual mode.
- (4) **Note Display** - When you play a key on the keyboard, the note will be displayed.
- (5) **Octave** - The icon indicate the Octave of the played notes.
- (6) **Tempo** – Indicates the tempo in BPM (Beats Per Minute).
- (7) **Track Volume** - Displays the volume of each track dynamically, when a song or a style is played.
- (8) **Chord** – Indicates the chord played on the instrument.

## DEMO SONGS

There are 26 demo songs in the internal memory. Listen to the pre-programmed demonstration songs and they will give you a good idea of what the instrument can do.



- With the Power ON and Set the Master Volume at half way.
- Press the [FULL KEYBOARD] button and the [METRONOME] button at the same time to activate the DEMO function. The name of the selected DEMO will appear on the INFORMATION DISPLAY. You can select the demo songs by using the [+/-] buttons.
- Press [FULL KEYBOARD] button and the [METRONOME] button again to stop the DEMO song.

## SELECTING AND PLAYING THE VOICES

Your instrument has 476 sounds in the internal sound library numbered from 01 to 476, and 8 Drum Kits numbered from 477 to 484. Sound 485 is the SOUND EFFECT bank preset.

The available sounds can be played in three different modes: Right 1, Right 2 and Left.

Right 1 - plays a single voice over the entire range of the keyboard.

Right 2 - mixes two different voices together for rich, complex sounds.

Left - allows the player to select one sound for the Left part and up to two sounds for the Right part of the keyboard.

The complete list of the available Sounds is available in the SOUND LIST pages at the end of this manual.

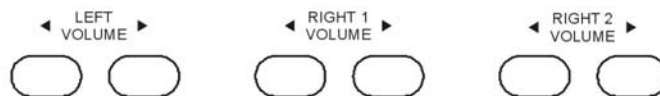
The first 128 sounds are listed according to GM sound list from 1 to 128. From 129 to 476 the sounds are listed according to ENHANCED XM Sound List that incorporate all the GM sounds plus all sound variations.

In GM mode the instruments allows the player to select the sounds according to the GM mapping and most of the player remember the sound numbers and therefore may be easier for them.

In the XM mode the complete sound list is available including not only all the GM sounds but also the many sound variations specially developed by the musicians team.

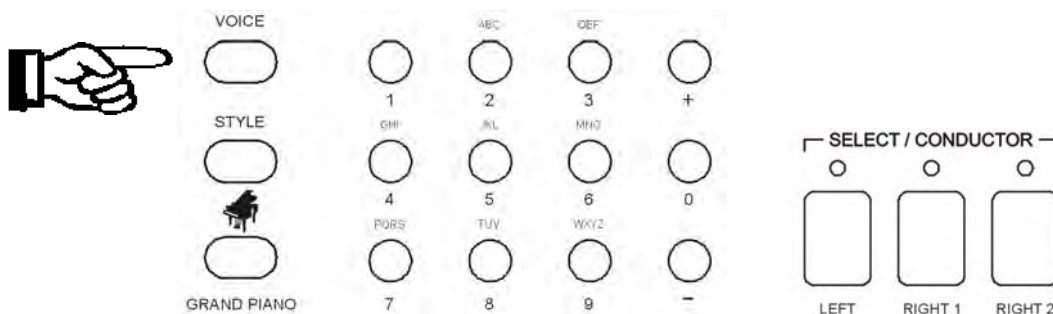
## SOUND VOLUME

The volume of each section can be controlled with the related volume buttons.



The volume range is from 00 (no sound) to 127 (maximum volume).

## SELECT A SOUND



Press the [VOICE] button - the voice mode is selected and the current voice number and name will display on the Message Display section. By pressing the VOICE button several time you can see that it automatically select RIGHT1, RIGHT2, LEFT (the related Led is blinking).

Press the numeric key-pad buttons or the [+/-] buttons to select the desired voice number according to the Voice List.

To select a sound numbered between 1 and 99, for example 65 Soprano Sax:

OPTION 1: Press the [+/-] buttons until the number 65 is displayed.

OPTION 2: Use the numeric key-pad buttons as detailed below:



- Press the number 6 button and then the number 5 to select the sound.
- The sound number 65 Soprano Sax, is now selected.

To select a sound numbered higher than 99, for example 123 Sea Shore, press the [+/-] buttons until the number 123 is selected on the display.

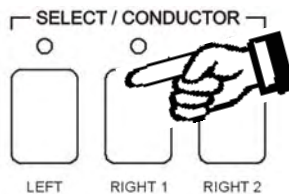
To select the sound 123 using the numeric key-pad buttons:

- Press the number 1 button and hold it until the number 1 appears on the display.



- Press then the number 2 and the number 3 buttons to select the sound.
- Sound number 123 Sea Shore, is now selected.

## SELECT RIGHT 1 SOUND



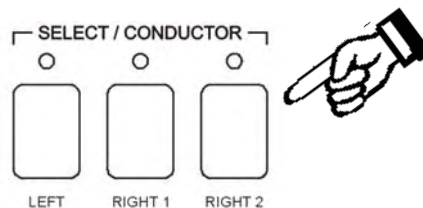
Press the [VOICE] button to select the sound of RIGHT 1. Select the desired sound as explained above. The name of the RIGHT 1 sound will be indicated on the display.

To change again the sound use the numeric key-pad buttons or the [+/-] buttons to select the desired voice number according to the Voice List.

Press the [RIGHT 1] button to switch the section ON or OFF. When you will select the RIGHT1 sound OFF the display will show:



## SELECT RIGHT 2 SOUND

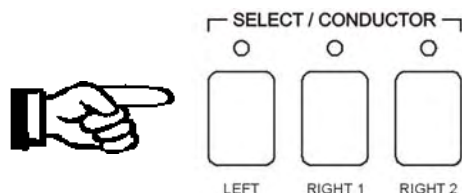


Press the [RIGHT 2] button and its Led is now blinking. In this mode you can play two different sounds at the same time on the right part of the keyboard. The name of the RIGHT 2 sound will be indicated on the display for a few seconds also indicating the RIGHT 2 sound selected at present.

When the RIGHT 2 sound is indicated on the display and its Led is blinking, the sound can be changed. Press the numeric key-pad buttons, the [+/-] buttons to select the desired voice number according to the Voice List.

Press the [RIGHT 2] button to switch this section ON or OFF.

## SELECT LEFT SOUND



Press the [LEFT] buttons to select the LEFT voice. This will enter the instrument in SPLIT MODE and automatically divide the keyboard in two parts. The current voice number and name will display on the Message Display section.

The keyboard is now divided in two sections: Left and Right.

When the LEFT sound is indicated on the display (remember – the instrument gives approximately 4 seconds to input data) the sound can be changed. Press the numeric key-pad buttons or the [+/-] buttons to select the desired voice number according to the Voice List.

Press the [LEFT] button to switch this section ON or OFF.

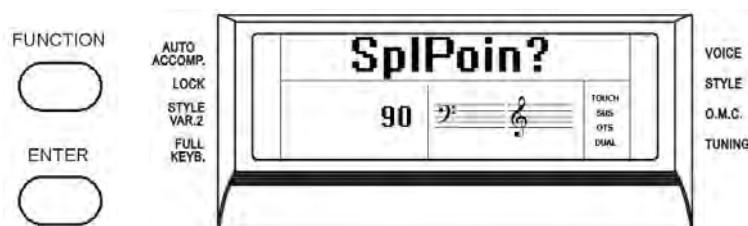
**Note.** It is possible to play the LEFT Sound together with the Auto Accompaniment.

## SELECT THE SPLIT POINT

The default position of the Split point is G2.

The Split Point can be set to any other key as follows:

- Press the [FUNCTION] button a few times to select on the display:

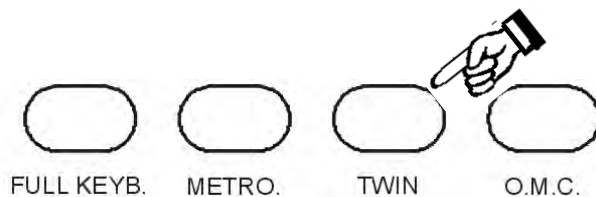


- Press [ENTER] button to confirm the function. The display indicates the current Split Point position: **34 SplPoint**.
- Use the [+/-] buttons to set the Split Point Value. The default value is 34 that corresponds to the note G2.
- To set the Split Point on the C2 Position change the value to 27.

The display will return to the normal display mode and the new Split Point is now set.

The new Left Sound Split Point will remain active until the instrument is switched OFF.

## TWIN MODE

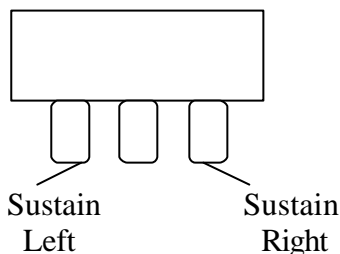


Press the [TWIN] button to select TWIN mode. In this mode, the keyboard will be separated into two playing areas.

Right: from C#3 to C7  
 Left: from A-1 to C3

This will be very helpful when the instrument is used by two players at the same time (example: Teacher and Student) and they will be able to play the same piano sound in the same octave. Press [TWIN] button again to exit the Twin mode.

While the TWIN feature is selected using the optional 3 lever pedal, the pedals automatically switch in a different configuration where there are 2 Sustain pedals, one for the left and one for the right part of the keyboard.



In this configuration the middle pedal is not active.

## GRAND PIANO



GRAND PIANO

When pressed the [GRAND PIANO] button resets the instrument to the Grand Piano sound.

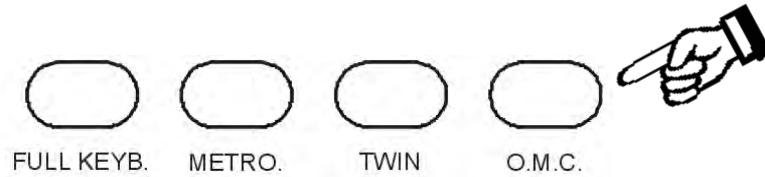
## DRUM KITS AND EFFECTS

Your instrument has 8 different Drum kits that can be played on the keyboard when selecting voice numbers - 477 through to 484.

Sound No.	Drum Kit	Sound No.	Drum Kit
477	Standard	482	Jazz
478	Room	483	Brush
479	Power	484	Classic
480	Electric	485	Effects
481	Dance		

The Sound number 485 is the Sound Effects preset.

## OMC



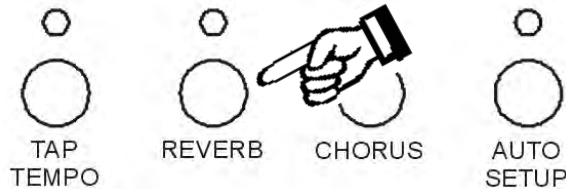
Whenever you play a chord with the left hand, this function adds a complete chord to the melody line played with the right hand based on the left hand notes that are being played. It is intended to convert a single note melody into a full chord.

When using the OMC it is important to play the lower manual in a legato fashion with sustained left hand chords.

This feature provides a very full overall professional sound, however it has greater effect if it is not used all of the time.

## DIGITAL REVERB

Press the [REVERB] button to turn the REVERB effect ON or OFF.



While the Reverb setting is indicated on the display, the parameter can be changed. Use the [+/-] buttons to select the desired REVERB settings. The display will indicate the available Reverb types: **REVERB OFF, Room1, Room2, Room3, HALL1, HALL2, Plate, Delay, Pan Delay.**

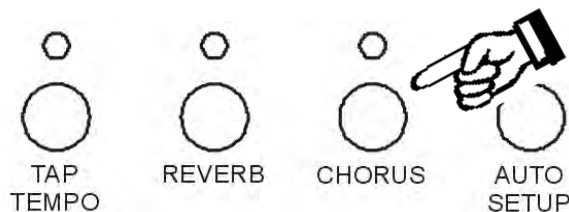
It is possible to adjust the Reverb effect for each section.

- Press [FUNCTION] button to select **R1 RevVo?** on the display and use the [+/-] buttons to select **R2 RevVo?** or **Lf RevVo?** page.
- Press the [ENTER] button to select the Right 1 section.
- Use the [+/-] buttons or use the numeric key-pad buttons to change the Reverb value ( the range is from 00 to 63).
- Press the [+/-] buttons at the same time to set the default value.

After a few seconds the display will go back to the normal display mode and the new Reverb Value for Right 1 section is now saved.

## CHORUS EFFECT

Press the [CHORUS] button to turn the CHORUS effect ON or OFF.



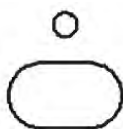
Whilst the Chorus setting is indicated on the display, the sound can be changed. Use the [+/-] buttons to select the desired CHORUS types. The display will indicate the available Chorus type: **CHORUS OFF, Chorus1, Chorus2, Chorus3, Chorus4, Feedback, Flanger, Short Delay, Feed Back Delay.**

It is possible to Change the Chorus effect for each section.

- Press [FUNCTION] button to select **R1 RevVo?** on the display and use the [+/-] buttons to select **R1 Chr Vo?** or **Lf Chr Vo?** or **R2 ChrVo?** R2 page.
- Press the [ENTER] button to select the Right 1 section.
- Use the [+/-] buttons or use the numeric key-pad buttons to change the Chorus value ( the range is from 00 to 63).
- Press the [+/-] buttons at the same time to set the default value.

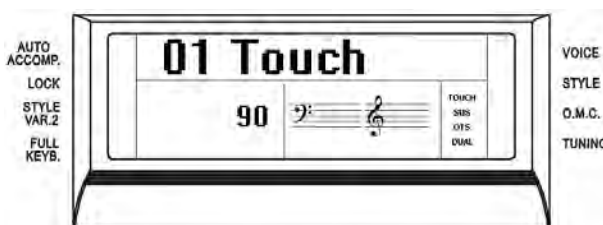
After a few seconds the display will go back to the normal display mode and the new Reverb Value for Right 1 section is now saved.

## TOUCH SENSITIVITY



TOUCH

Just like an acoustic piano, your instrument has a keyboard with velocity control. This means the level of the audio signal will be in proportion with the velocity of the key pressed. If you play soft you will have a quiet sound, while if you play very hard you will have a much louder sound. This function can be set to different levels to adjust the touch with you own playing style. After the [TOUCH] button is pressed the display will show

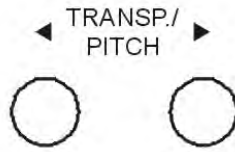


Using the + and – button select the available Touch Sensitivity value:

- |    |                          |   |   |
|----|--------------------------|---|---|
| 00 | No Touch Sensitivity     | - | Sensitivity Off   |
| 01 | Hard Touch Sensitivity   | - | This setting requires the keys to be played quite hard to product maximum volume.   |
| 02 | Normal Touch Sensitivity | - | This setting produces standard keyboard response. This is the factory default mode. |
| 03 | Light Touch Sensitivity  | - | This setting allows maximum volume with lighter key pressure.                       |

## TRANSCOPE

It is possible to Transpose the natural key ( C ) of your instrument up or down.



The default C natural setting is indicated as C0 in the following table.

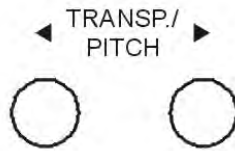
C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C	C#	D	D#	E	F	F#	G	G#	A	A#	B	C
-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12

The examples below illustrate how to use the above table:

- To Transpose the instrument to the key of E above C, press the Transpose [+] button 4 times.
  - To Transpose the instrument to the key of A# below C, press the Transpose [-] button 2 times.
- Press the [TRANSP/PITCH] buttons at the same time to restore the instrument to the key of C0.

## PITCH – FINE TUNING

The PITCH feature enables the player to tune the pitch of the instrument to match other instruments.



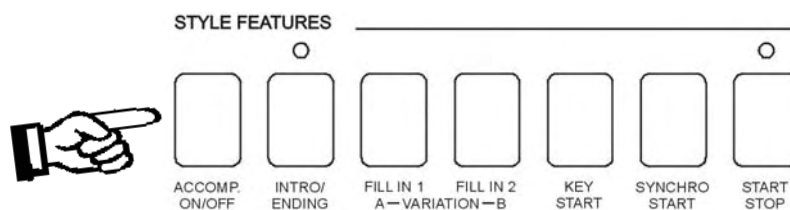
Press the two buttons for a few seconds and the display will display: PITCH

Use the + and – buttons to set the desired Pitch value. The PITCH value on the display can be changed between –64 and +63.

Press the [TRANSP/PITCH] buttons at the same time to set the default value (0).

## AUTO ACCOMPANIMENT SECTION

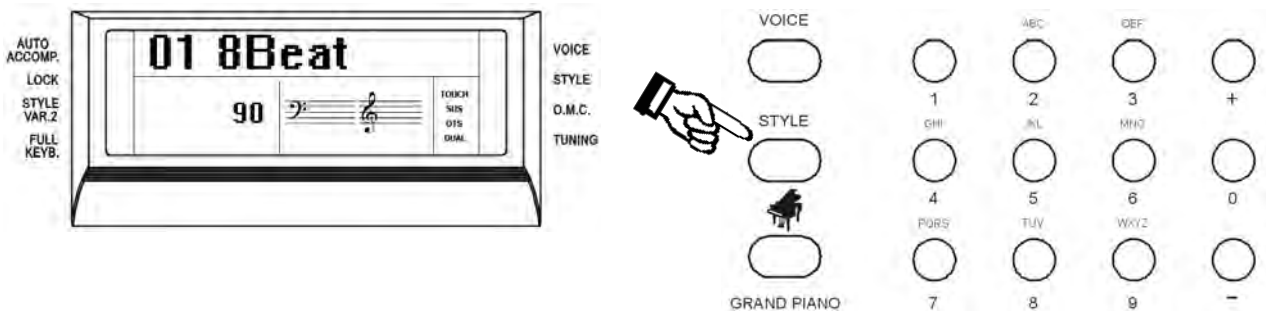
Your instrument has 260 (01-260) accompaniment styles which can be used to provide fully-orchestrated Auto Accompaniment.



When the Auto Accompaniment function is turned ON, the left part of the keyboard will be used to play automatic accompaniments with orchestrated chords and bass lines, the right part of the keyboard is available for playing the melody.

## SELECT A STYLE

Press the [STYLE] button to enter the style select function. The current style number and name will appear on the Display



Press the numeric key-pad buttons or the [+/-] buttons to select the desired style number with the same system used to select the sounds.

You can see the complete Style List at the end of this manual.

The Styles are listed in groups according to the following table:

01 – 12	8 Beat	108 – 117	Blues & Gospel
13 – 20	16 Beat	118 – 136	Country
21 – 32	Ballad	137 – 158	Latin 1
33 – 43	Dance	159 – 182	Latin 2
44 – 56	Disco	183 – 212	Ballroom
57 – 86	Big Band & Swing	213 – 241	World
87 – 107	Rock & Boogie	242 – 260	Waltz

## AUTO CHORD RECOGNITION

When playing the Auto accompaniment it is possible to change chords using one or more fingers without selecting the One Finger Note system or the Multi Finger Chord system. The internal computer will automatically select it for you.

## SINGLE FINGER MODE

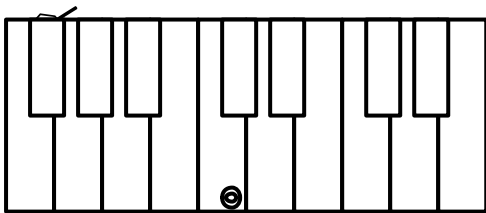
SINGLE FINGER Mode fingering makes it simple to produce beautifully orchestrated accompaniment using major , seventh , minor and minor-seventh chords by pressing a minimum number of keys in the Auto Accompaniment section of the keyboard.

There are two different Single Finger mode available in the instrument:

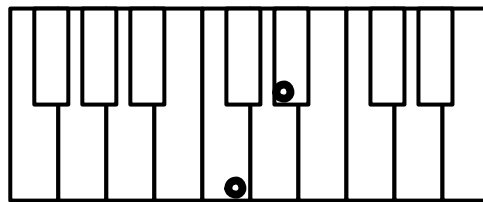
- Chord System 1 – This is the default system
- Chord System 2.

These two types refer to the most common Single Finger systems used in the portable keyboards. To select the desired Single Finger Type see the [FUNCTION] button paragraph.

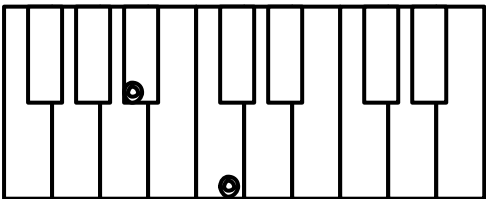
<b>ChordSys 1</b>	C Major	Press the key C.
	C minor	Press the key C + the 3rd key to the right
	C Seventh	Press the key C + the 2nd key to the left
	C minor 7th	Press the key C + the 3rd key to the right + 2nd key to the left



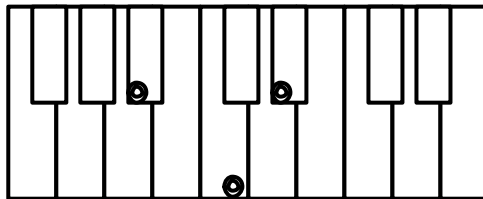
C chord - press C key



C minor - press C + 3rd key to right

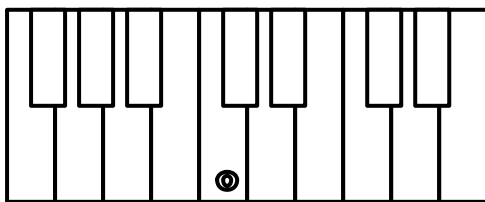


C 7th - press C + 2nd key to left

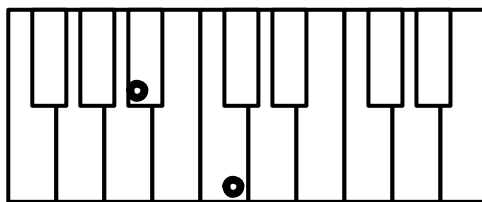


C m 7th - press C + 2nd key to left and 3rd to right

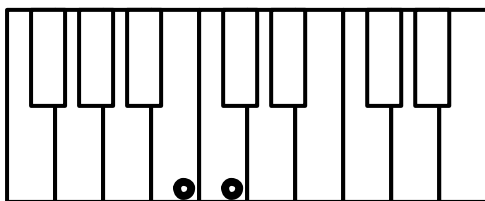
<b>ChordSys 2</b>	C Major	Press the key C.
	C minor	Press the key C + any black key to the left
	C Seventh	Press the key C + any white key to the left
	C minor 7th	Press the key C + any black + any white key to the left



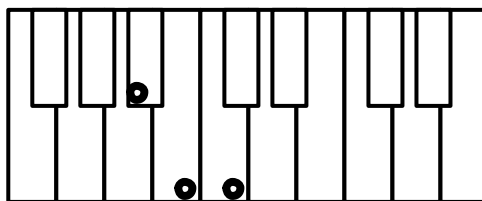
C chord - press C key



C minor - press C + any black key to left



C 7th - press C + any white key to left



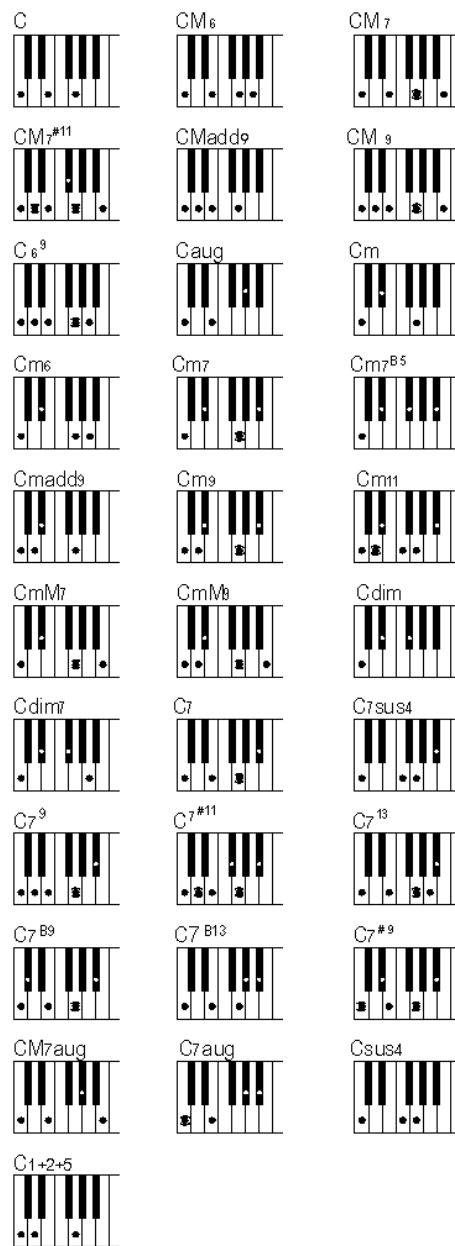
C minor 7th - press C + any black and any white to left



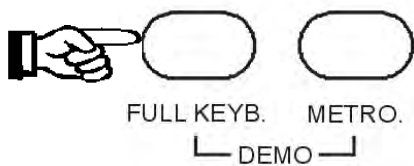
# MULTI FINGERED MODE

Your Instrument recognise the following chords

Name	Normal Voicing	Chord(C)
[M]	1-3-5	C
[M6]	1-(3)-5-6	CM6
[M7]	1-3-(5)-7	CM7
[M7#11]	1-(2)-3-#4-(5)-7	CM7#11
[Madd9]	1-2-3-5	CMadd9
[M9]	1-2-3-(5)-7	Cm9
[6 9]	1-2-3-(5)-6	C6 9
[Aug]	1-3-#5	Caug
[m]	1-b3-5	Cm
[m6]	1-b3-5-6	Cm6
[m7]	1-b3-(5)-b7	Cm7
[m7b5]	1-b3-b5-b7	Cm7 b5
[madd9]	1-2-b3-5	Cmadd9
[m9]	1-2-b3-(5)-b7	Cm9
[m11]	1-(2)-b3-4-5-(b7)	Cm11
[mM7]	1-b3-(5)-7	CmM7
[mM9]	1-2-b3-(5)-7	CmM9
[dim]	1-b3-b5	Cdim
[dim7]	1-b3-b5-6	Cdim7
[7]	1-3-(5)-b7	C7
[7sus4]	1-4-5-b7	C7sus4
[7 9]	1-2-3-(5)-b7	C7 9
[7#11]	1-2-3-#4-(5)-b7	C7#11
[7 13]	1-3-(5)-6-b7	C7 13
[7b9]	1-b2-3-(5)-b7	C7 b9
[7b13]	1-3-5-b6-b7	C7 b13
[7#9]	(1)-#2-3-(5)-b7	C7#9
[M7aug]	1-3-#5-7	CM7aug
[7aug]	(1)-3-#5-b7	C7aug
[sus4]	1-4-5	Csus4
[1+2+5]	1-2-5	C1+2+5



## FULL KEYBOARD



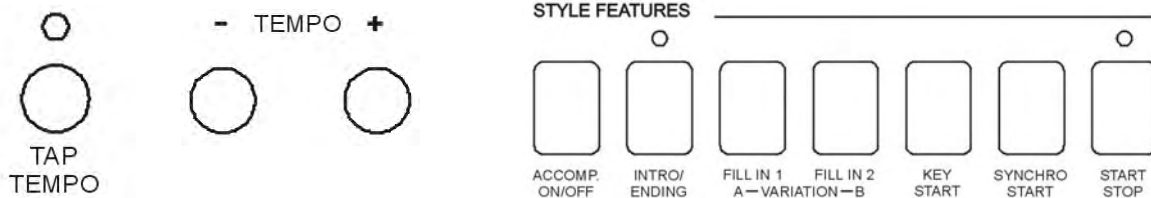
This feature allows you to play automatic chords in the full length of the keyboard.

Press the button and dedicated arrow will indicate it on the display.

When in full keyboard the chords played by the Auto Accompaniment System will not be displayed on the screen.

## AUTO ACCOMPANIMENT SELECT AND CONTROLS

A different accompaniment style can be selected at any time while the accompaniment is playing. The style number and name on the Message Display will change as soon as the selection is made, but the new style will start from the beginning of the next bar. If the Auto Set Up function is not activated, the tempo will not change when the new style is running.



Your instrument provides a range of accompaniment features:

**Start/Stop, Auto Accompaniment, Intro/Ending, Fill-In 1, Fill-In 2, Key Start, Synchro Start, Start/Stop.**

## AUTO ACCOMPANIMENT

Press [ACCOMP. ON/OFF] button to activate the Auto Accompaniment feature. The indicator will appear on the display. Press it again to deactivate.

## INTRO/ENDING

If you press this button before you start the rhythm, the normal rhythm pattern will be preceded by a special introduction (INTRO). However, if you press the button when the rhythm is already running, the instrument plays a final variation (ENDING) and the rhythm section will stop automatically.

All of your instrument accompaniment patterns can be started with an appropriate introduction by pressing the [INTRO/ENDING] button, once the style has been selected. When the INTRO finishes playing, the accompaniment will change to the main style pattern.

If you press one of the [SYNCHRO START] buttons and then the [INTRO/ENDING] button, the accompaniment will start from the introduction as soon as a chord is detected.

## FILL IN 1 and FILL IN 2 - STYLE A/B VARIATIONS

There are 2 variations available for each style: Variation A and Variation B. Press the Fill 1 to select Variation 1 and press Fill 2 to select Variation 2.

The Auto Accompaniment pattern changes depending on the chords you play with your left hand. The fill-in buttons let you add dynamic variations and breaks in the rhythm of the accompaniment, to make your performance sound even more professional. At the end of the fill-in the appropriate Style Variation is automatically selected.

The fill-in will play when selected as long as one of the fill-in buttons is pressed.

## **AUTO START**

There are two types of Auto Start features:

- SYNCHRO START           When this feature is selected the Auto Start will automatically start the style when the first key or chord is pressed.
- KEY START                When this feature is selected the Auto Start will automatically start the style when the first key or chord is pressed and automatically stop the style when the key or chord is released.

Press the desired [AUTO-START] button if you want the accompaniment to start when you play the first note or chord on the AUTO ACCOMPANIMENT section of the keyboard.

If you select the SYNCHRO START function the START/STOP Led will light up indicating that the Synchro Start feature is activated. When you then press the first chord on the left part of the keyboard the Led will work normally indicating the down-beat.

If you select the KEY START function the START/STOP Led will start blinking indicating that the Key Start feature is activated. When you then press the chord on the left part of the keyboard the Led will work normally indicating the down-beat.

## **START/STOP**

The [START/STOP] button starts the selected accompaniment style immediately.

Press the [ACCOMP. ON/OFF] button to turn ACCOMPANIMENT on before starting the style.

The accompaniment will start with the rhythm drum sound when the [START/STOP] button is pressed, then the bass and chord parts will play as soon as the first note or chord is played on the keyboard.

## **TEMPO CONTROL**

The [-TEMPO+] buttons can be used to control the tempo of the Auto Accompaniment section, the DEMO songs and the record/play back of a song recording.

Press the [-TEMPO+] buttons to set the desired tempo value (20-280). The current tempo (beats per minute) will appear on the Message Display.

The instrument also offers the ability to input TEMPO settings via the [+/-] buttons.

Press the [TEMPO+] and [TEMPO-] buttons simultaneously to restore the default tempo setting.

## **TAP TEMPO**

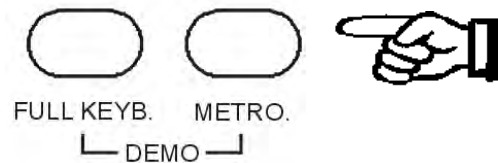
This function allows you to set the rhythm tempo by tapping in tempo on the [TAP] button.

Tap on the button while rhythm playing and the rhythm tempo will automatically set at the desired speed.

To set the tempo before starting rhythm, tap on the button 4 times for a 4/4 beat, 3 for a 3/4 beat.

## METRONOME

The Metronome is a convenient feature for practice, and it can also provide a rhythmic guide when recording.



The metronome sound is alternately turned on and turned off by pressing the [METRONOME] button.

The Time Signature of the metronome can be set by using [+/-] buttons when turning on the metronome function and while the Time Signature value is indicated on the display.

To set the Time Signature (1/4, 2/4, 3/4, 4/4, 6/4, 3/8, 6/8, 9/8 ) press the [METRONOME] button and the Time Signature set for the metronome will be indicated on the display, use the [+/-] buttons to select the new value.

To change the Tempo use the [ - TEMPO +] buttons to set the desired tempo speed.

To set the tempo of metronome , please see the details in TEMPO section.

## OVERALL TOUCH SETUP – OTS

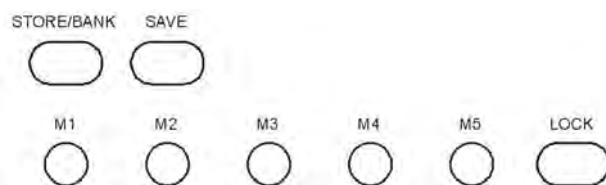


This function enables the instrument to set an appropriate registration for each rhythm.

When a style is selected and the OTS is activated (the icon is activated on the display), a nice registration for both the left hand and right hand parts will be automatically selected. The OTS will also select the optimum tempo for the style selected. An indicator illuminates in the Message Display when the system is activated. When the registration is changed with the OTS activated, the instrument will accept the changes but the registration will not be changed in the internal memory.

A good way to start exploring the instrument is to listen to the OTS registrations. By selecting the desired rhythm with the OVERALL TOUCH SET-UP system ON, you will hear 260 nice registrations. The OTS system can be switched ON and OFF by pressing the [O.T.S] button.

## REGISTRATION MEMORY



The instrument can store 5 groups x 4 banks of panel settings. By pressing the corresponding memory button, you can recall these settings rapidly. You can customise the panel settings to accommodate your performance and store them to the registration memory positions.

These setting will not be lost, even if the power is turned OFF.

## STORING THE PANEL SETTINGS

It is possible to load up to 20 panel registrations using the 5 Memory (M1 – M5) positions and 4 memory banks.

By pressing the [STORE/BANK] button four times, you can select 4 different banks. The display shows the available memory banks [1 to 4 MemoryBank].

The following panel settings can be saved: Left/Right Sounds, Volume levels, Pan settings, Tempo, Octave, Effects, Style and keyboard mode. Other global parameters are also memorised.

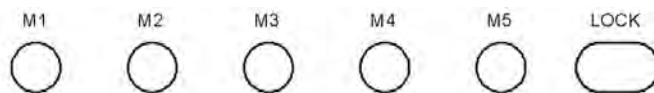
- Select the desired style, tempo, sounds, volume and effects.
- Select the Memory Bank where to store the new settings by pressing a few times the [STORE/BANK] button, for example BANK 3.
- Press and hold [STORE/BANK] button, and then press one of the [M1-M5] buttons where to store the panel setting, for example M1.
- The LCD displays



The current panel settings are now stored in the memory in position BANK 3 – M1.

It is possible to repeat this procedure for all available positions.

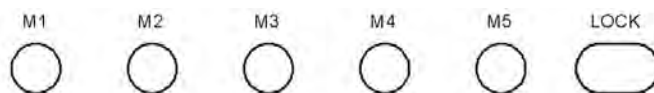
## RECALLING THE SETTINGS



By pressing the [M1-M5] buttons, the information you have stored previously can be recalled. Press [STORE/BANK] button to access the Memory banks (press a few times).

The LCD displays the panel settings and memory position number.

## LOCK



By pressing the [LOCK] button, turns the LOCK function ON/OFF. When the LOCK function is ON, the sounds registrations stored in each memory location can be recalled, whilst the style accompaniment settings will be LOCKED. The display shows the related indicator arrow:

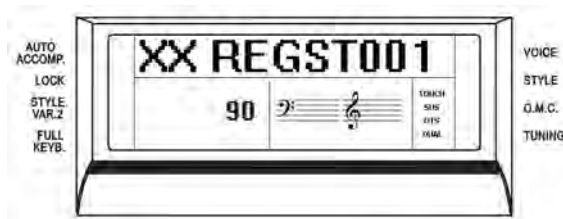


This enables the player to make changes to the melody part(s) of the music ‘on the fly’. The accompaniment section will remain LOCKED, therefore all levels and other parameters pertaining to this section will remain unchanged.

## SAVE THE REGISTRATION MEMORIES ON USB DISK

It is possible to SAVE the Panel Memories Registrations Banks in the USB disk and save them in the USB Disk following the instructions:

- Insert the USB Disk into the USB socket.
- Press [SAVE ] button and the display will show :



XX indicates the progressive file number  
 001 indicates the registration file number

- The display indicating your Panel Memory Registration Settings are saved into USB Disk, with 20 Registration Memories stored to a single file.

New banks of Panel Memory Registration Settings can be stored in the USB disk and a new name will be automatically assigned to each bank as follows:

01 REGST 001  
 02 REGST 002  
 03 REGST 003  
 ... REGST .....

## LOADING THE MEMORY REGISTRATIONS DATA FROM USB DISK

Insert the USB Disk into the USB socket.

Press and hold the [USB FILES] button to access the **Setting** files in the USB Disk. Select the **Setting** page by pressing the number 3 button.

Use [+/-] button to select the desired Panel Memory Registration Setting file, then press [PLAY/LOAD] button, display shows “Load OK”.

## DELETE MEMORY REGISTRATIONS FROM USB

Insert the USB Disk into the USB socket. Press and hold the [USB FILES] button to access the **Setting** files in the USB Disk. Select the **Setting** page by pressing the number 3 button.

Use [+/-] button to select the desired Panel Memory Registration Setting file you want to delete, then hold down the [RECORD] button and press [PLAY/LOAD] button.

LCD shows:



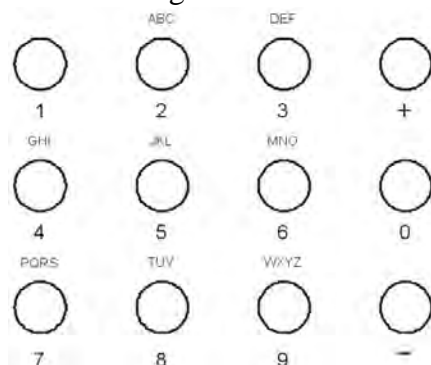
Press [+] button to delete the file.

Press [-] button to exit the function without deleting the file.

**NOTE –** When a file is deleted from a list its progressive number will be cancelled and saved in a special memory location inside the instrument. This number will be automatically assigned to the next file of the same type that will be loaded.

### USB FILES MODE SELECT

The files listed in the USB disk can be accessed in two ways: by number or by alphabet letters. It is possible in fact to access the files recalling their numbers or scrolling the initial letters.



To select these two systems follows these instructions.

- Insert the USB disk in the USB socket
- Press the USB FILES button
- Press and hold the 0 (zero) on the numeric keypad until the display shows

**Alphabet**                      or                      **Number**

- Using the [+/-] buttons select on the display Alphabet or Number as you prefer.
- The available files will now be listed according to your choice, by number or by letters.
- to select the files by numbers simply select the desired number on the display using the numeric keypad.
- To select the files by letters refer to the below table that is similar to telephone letter indications:

1 – no letters	2 – A,B,C	3 – D, E, F
4 – G,H,I	5 – J,K,L	6 – M,N,O
7 – P,Q,R,S	8 – T,U,V	9 – W,X,Y,Z

- To select the desired letter press the related button as follow:

D – press the 3 button one time. The display shows SEL **DEF**

R – press the 7 button 3 times. The display shows SEL **PQRS**

The files are now listed by initial letter. If the selected initial letter is not available in the list the instrument will select the nearest available letter.

## THE FUNCTION BUTTON

Some of the features that you will find in the manual have been already explained in this manual but since the [FUNCTION] button provides access to a wide range of functions that give your instrument extraordinary versatility we prefer to list all the features of this section again in a step by step explanation.

Switch the instrument On and press the [FUNCTION] button several times until we see all the available functions:

Pan
Reverb Volume
Octave
Split Point
Midi
All Local
Auto Track
Chord Type
Pedal
Play Mode
Style Accompaniment
Transpose Set

## PAN

In this page you can set the stereo panoramic effect of each sound to create a nice stereo effect.

Press [FUNCTION] button to select **R1. PAN?**, use [+/-] button to select **R2. PAN?** and **Lf.PAN?**.

R1 .PAN	Right 1 Voice Pan
R2 .PAN	Right 2 Voice Pan
Lf .PAN	Left Voice Pan

Press [ENTER] button to confirm the section , and use [+/-] button to set the pan value. Value -64 is the maximum value to the Left and value 63 is maximum value to the Right. To select centre pan effect, value 0 (zero) press the [+/-] buttons at the same time.



## REVERB AND CHORUS DEPTH

In this page you can adjust the reverb and chorus depth for the selected voice.

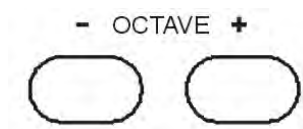
Press [FUNCTION] button to select R1 RevVo?, use [+/-] button to select **R2 RevVo?, LF RevVo?, R1 ChrVo?, R2 ChrVo?, Lf ChrVo?**

R1 RevVo?	Right 1 Voice Reverb Depth
R2 RevVo?	Right 2 Voice Reverb Depth
Lf RevVo?	Left Voice Reverb Depth
R1 ChrVo?	R1 Voice Chorus Depth
R2 ChrVo?	R2 Voice Chorus Depth
Lf ChrVo?	Left Voice Chorus Depth

Press [ENTER] button to confirm, use [+/-] button to adjust the value: 00-63

To select the default value press the [+/-] buttons at the same time.

## OCTAVE



It is possible to select a different octave for each section of the instrument.

To change the octave of RIGHT 1 section press the OCTAVE buttons when the Right 1 Led is On.

To change the octave of RIGHT 2 section press the OCTAVE buttons when the Right 2 Led is On.

To change the octave of LEFT section press the OCTAVE buttons when the Left Led is On.

To select the natural octave 0 (zero) press the [+/-] buttons at the same time.

## SPLIT POINT

In this page, you can set the split point for your keyboard.

Press [FUNCTION] button to select **"SplPoin"**.

Press [ENTER] button to program the split point and use [+/-] button to set the split point. Range: 00-87.

The default value is 34 and it corresponds to G2.

## MIDI R1

In this page, you can select MIDI settings.

Press [FUNCTION] button to select MIDI R1?, use [+/-] button to select **MIDI R0, MIDI R2, MIDI S0, MIDI S1, MIDI S2, MIDI S3.**

Press [ENTER] to confirm, and use [+/-] button to set the parameters.

MIDI R0-----Reception Disabled

MIDI R1-----Reception Enabled, this setting is dedicated for computer interface (default mode).

MIDI R2-----Typical configuration for a Midi Accordion or Master keyboard. The sections are set automatically as follows:

R1	Ch 1
R2	Ch 4
Left	Ch 2
Bass	Ch 3

MIDI S0-----Transmission Off

MIDI S1-----Selecting R1 Ch

MIDI S2-----Selecting Lf Ch

MIDI S3-----Selecting R2 Ch

When selecting “MIDI S1-S3” mode, the transmission is enabled automatically, and use [+/-] buttons or the numeric keypad to select MIDI channel (1-16) for which you want to specify a new transmission.

## LOCAL CONTROL

In this page, you can decide to send or not your music to the internal speaker system.

Press [FUNCTION] button to select “**ALLLocl ?**”, press [ENTER] button to confirm, use [+/-] button to select “**Local On**” or “**Local Off**”.

Local ON Normal operation. Keyboard and Controllers are sent to the Sound Engine.

Local OFF There will be no sound produced by the brain's tone generator. MIDI function can work as usual.

If you press [FUNCTION] button to select “**ALLLocl ?**”, and you press the [+/-] buttons you can select the following Local Functions:

KBDLocl? This configuration will set Local Control for the keyboard only. Use the [+/-] buttons to select KBD On or KBD Off.

USBLocl? This configuration will set Local Control for the USB Song Player only. The instrument will send the played notes only thru midi Out. . Use the [+/-] buttons to select USB On or USB Off.

STYLocl? This configuration will set Local Control for the STYLE only. The instrument will send the played notes only thru midi Out. Use the [+/-] buttons to select STY On or STY Off.

## AUTO TRACK RECORDING SYSTEM

This is a very useful system to automatically assign the Track number while doing Multi Track Recording.

It is possible to turn on or turn off the AUTO TRACK function for recording mode.

The setting will be saved automatically when the power is off.

Press [FUNCTION] button to select “**AutoTrk?**”, press the [ENTER] button to confirm, and use [+/-] button to select **OnAutoTrk** and **OffAutoTrk**.

OnAutoTrk if you want to record more tracks, select OnAutoTrk and the internal computer will assign the next recording track automatically.

OffAutoTrk if you want to select tracks by yourself, select Off AutoTrk function first, then press the [TRACK] button on the panel to select the track you want.

## **SINGLE FINGER CHORD TYPE**

In this page, you can decide your preferred Single Finger system.

Press [FUNCTION] button to select **“ChrType?”**, press [ENTER] button to confirm, use [+/-] button to select **“Type 1“ or “Type 2“**.

SINGLE FINGER Mode fingering makes it simple to produce beautifully orchestrated accompaniment using major , seventh , minor and minor-seventh chords by pressing a minimum number of keys in the Auto Accompaniment section of the keyboard.

## **PEDAL (only when using the optional 3 levers pedal)**

In this page, you can select the setting for 3 pedals. Press [FUNCTION] button to select **“Pedal?”** Press [ENTER] button and use [+/-] button to select **Normal** or **Custom**.

Normal The 3 pedals will work as in an acoustic piano: Soft, Sostenuto, Sustain.

Custom The 3 pedals will be set with special controls for the Style section and will work with the following functions: as in an acoustic piano: Fill In, Start/Stop, Sustain. This is the default mode.

## **PLAY MODE**

In this page, you can select the setting for the song. It is possible in fact to play the songs listed in the USB disk.

Press [FUNCTION] button to select **“PlayMod?”**. Press [ENTER] button to select and use [+/-] buttons to select **“Single“ or “Loop“**.

Single The selected song will be played after the Play button is pressed and will stop at the end of it.

Loop The selected song will be played after the Play button is pressed and will automatically play all the following songs without stopping until the [PLAY] button will not be pressed again.

## **STYLE ACCOMP.**

In this page, you can select if you like to switch off the accompaniment tracks of the style. Only the Drum lines and the Bass lines will be playing.

Press [FUNCTION] button to select **“STYAcmp?”**. Press [ENTER] button to select and use [+/-] buttons to select **“AccompOn“ or “AcompOff“**.

## **TRANSCOPE SET**

In this page, you can select which sections of the instrument you would like to transpose. Press [FUNCTION] button to select “**Tras.Set?**”. Press [ENTER] button to select and use [+/-] buttons to select “**ALL**” or “**Panel**” or “**Song**”.

ALL	The all instrument will be transposed including the USB Song (this is the default mode).
Panel	The all instrument will be transposed but not the USB song.
Song	Only the USB song will be transposed.

## **MANAGING THE USB DISK**

When inserting the USB disk in its slot you will notice that the display will immediately indicate the first available Midi File Song stored in the memory.

It is possible to load different type of styles in the USB disk:

- 1 Standard Midi File songs
- 2 Style files
- 3 Setting - Panel Memory Registrations

The display will only show the files related to each of the listed groups when selected.

To select one of the groups follow the indications below:

- Press and hold the [USB FILES] button
- Using the [+/-] buttons select one of the 3 available options. It is also possible to select the desired option by pressing the buttons [1] or [2] or [3].

When the desired option is selected the display will show only the USB files related to the type of file selected until the instrument is switched off.

At power up, the instrument will automatically restore the SMF song option.

## **SAVING THE REGISTRATION DATA TO USB DISK**

It is possible to **SAVE** the Panel Memories registrations in the USB disk and save them in different banks. See in this manual on previous pages.

## **LOADING THE REGISTRATION DATA FROM USB**

It is possible to **LOAD** the Panel Memories registrations from the USB disk and save them in different banks. See in this manual on previous pages.

## **DELETE REGISTRATION FILES FROM USB**

It is possible to **DELETE** the Panel Memories registrations in the USB. See in this manual on previous pages.

## SONG RECORDING

The SG 450 digital piano lets you record your Songs and Registration settings to a USB Disk.

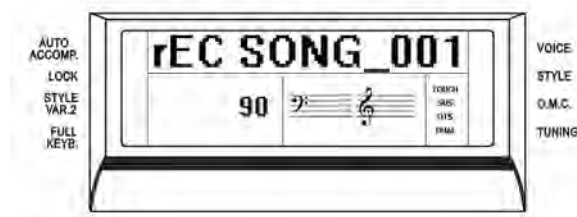
It is possible to record your song using up to sixteen independent tracks. The song will be stored into USB Disk memory including the voices used for the melody line and accompaniment and the auto chord accompaniment.

There are two different ways of recording your song: Quick Recording and Multi Track Recording. (All the recording data will be saved automatically as MIDI Format 0 File to your USB Disk).

## QUICK RECORDING

- 1 Insert the USB Disk into the USB socket.
- 2 Press the [RECORD] button to start recording.

The display shows:



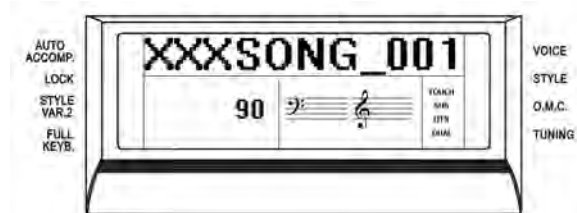
As soon as RECORD is pressed the Metronome will automatically start. This can be switched off at any time by pressing the Metronome button OFF.

The display will show the down beat dot as long as the first key on the keyboard or the [START/STOP] button is pressed and will start recording.

- 3 As soon as the recording is started the downbeat dots will indicate the recording running status.

During recording you can select sounds, volumes, effects, change styles and all will be recorded in your performance.

- 4 To stop recording press [RECORD] button again. The recording stops immediately and your song is stored in the USB Disk memory. The internal computer will immediately store your song automatically assigning the name



(XXX indicates the total file number. 001 indicates the recording file number).

## MULTI TRACK RECORDING

This function allows you to modify a song edited with Quick Recording system making it more complex adding new tracks.

Multi track recording provides two ways to record:

- 1 Use Auto Track Assignment.
- 2 Select Tracks by yourself.

## USE AUTO TRACK ASSIGNMENT

- Insert the USB Disk into the USB socket.
- The Auto Track function is activated by default.
- Press the [RECORD] button to start recording. The display will show the down beat dot flashing as long as the first key on the keyboard or the [START/STOP] button is pressed and will start recording. During recording you can select sounds, volumes, effects, change styles and all will be recorded in your performance.
- When the recording is finished, the song file will be saved with the name



- Press [RECORD] button to save the song.
  - Select now MULTI by pressing the [USB FILES] button and the [RECORD] buttons at the same time. ( hold down the[USB FILES] button and press [RECORD] button)
- The Metronome immediately start for two bars and the first recorded Track starts playing.



Use the same operation as Step 4 and 5 to record more tracks. The name of the new file will be saved in sequence.

- To stop recording by pressing [RECORD] button again.
- It is necessary to press the [RECORD] button at the end of each track.

## DELETE SONG

Insert the USB Disk into the USB socket. Use [+/-] button to select the song file you want to delete, then hold down the [RECORD] button and press [PLAY/LOAD] button. The LCD shows:



Press [+] button to delete the file.

Press [-] button to exit the function without deleting the file.

## **LOAD A NEW STYLE**

It is possible to store in the USB from the computers new styles that will make available from its web site.

When the new style is loaded in the USB disk insert the USB Disk into the USB socket of the instrument.

To select the style list on the USB disk follow the indications below:

- Press and hold the [USB FILES] button
- Using the [+/-] buttons select one of the option 2. It is also possible to select the desired option by pressing the button [2].
  
- Use [+/-] button to select the desired Style file, then press [PLAY/LOAD] button, display shows "Load OK".
  
- To play the new style select now the [STYLE] button and the display show **261 UserRhy.**

It is possible to load only 1 style at the time.

## **USB FILE BUTTON**

Use this button you can switch to USB mode immediately even the keyboard is in any of other mode.

## **TRACK ON/OFF**

Use this function can turn on or turn off any tracks even during Play Song.

- Press [TRACK ON/OFF] button to select the desired track. Every time the button is pressed the Track Number will be updated to the next track.
- Use [+] or [-] button to select "on" or "off".

**NOTE** The [TRACK ON/OFF] button is disabled while recording.

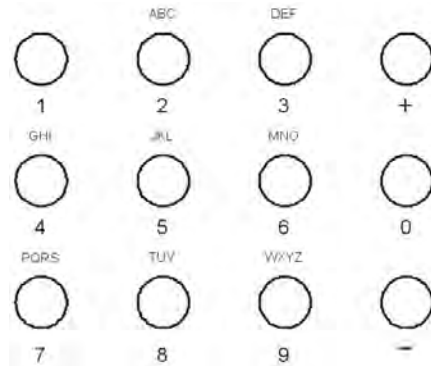
## **ADJUSTING USB SONG VOLUME**

- Press [USB.VOL] button while playing Disk MIDI file.
- Use [+] and [-] button *or* number (0-9) buttons to adjust the song's volume.
- Range: 00-127 Default: 100

## RESET

If it should be necessary to completely erase the internal RAM memory, a very simple reset feature is provided.

- 1 - Make sure that the instrument is switched off.
- 2 - Press and hold the (+) and (-) buttons

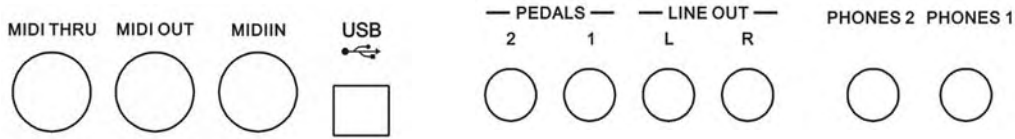


- 3 - Switch on the instrument whilst holding the (+) and (-) buttons down.
- 4 - The display shows **Resetting**

**Do not reset the instrument if is not necessary. All your information you have programmed will be automatically erased from the internal RAM memory. The factory set programs will be automatically restored.**



# CONNECTIONS



## MIDI IN/TRHU/OUT

The Midi THRU connector retransmits any data from the Midi IN directly to other Midi devices.

The Midi OUT connector transmits Midi data generated by the instrument to other Midi instruments.

The Midi IN connector receives the Midi data from an external Midi device.

## USB TO COMPUTER

It is possible to connect the instrument to a computer using the USB port located in the back panel of the instrument and control the Midi parameters.

## PEDALS SOCKETS

This is the connection for the pedal sets that can be used with the instrument.

If using the supplied Sustain Pedal connect it to Pedal Connection 1.

If the optional 3 Pedals pedal board is used connect the mono jack to pedal connection 1 and the stereo jack to pedal connection 2.

## LINE OUT SOCKETS

There are two outputs (Left and Right) and they are used to send the audio signal out an external amplifier, mixer console or recording equipment. To connect the instrument in Stereo to an external amplification system connect both Left and Right outputs.

## HEADPHONES

Two sets of Headphones can be plugged in for private practice. The sockets are located at the back of the instrument in left part of the keyboard and allows you to play without disturbing anyone else or being disturbed by outside noise.

## POWER ON/OFF (SDP45)

It is to turn On the instrument.

POWER ON/OFF



DC IN



## DC IN SOCKET

This is the connection to power. Connect the adapter to this socket to power the instrument.

## VOICE LIST

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
1	0	0	Grand Piano	GrandPno
2	1	0	Bright Piano	BritePno
3	2	0	Electric Grand	El.Grand
4	3	0	Honky Tonk	HnkyTonk
5	4	0	El. Piano 1	EIPiano1
6	5	0	El. Piano 2	EIPiano2
7	6	0	Harpsichord	Harpsi 1
8	7	0	Clavinet	Clavinet
9	8	0	Celesta	Celesta
10	9	0	Glockenspiel	Glocken
11	10	0	Music Box	MusicBox
12	11	0	Vibraphone	Vibes
13	12	0	Marimba	Marimba
14	13	0	Xylophone	Xylophon
15	14	0	Tubolar Bells	Chimes
16	15	0	Dulcimer	Dulcimer
17	16	0	Drawbar Organ	DrawOrgn
18	17	0	Percussive Org.	PercOrgn
19	18	0	Rock Organ	RockOrg3
20	19	0	Church Organ	ChrcOrg1
21	20	0	Reed Organ	ReedOrgn
22	21	0	Accordion	Accordio
23	22	0	Harmonica	Harmnica
24	23	0	Tango Accord.	TangoAcnd
25	24	0	Nylon Guitar	NylonGt1
26	25	0	Steel Guitar	SteelGtr
27	26	0	Jazz Guitar	JazzGtr1
28	27	0	Clean Guitar	CleanGt1
29	28	0	Muted Guitar	Mute Gtr
30	29	0	Overdriven Guit.	Ovrdrive
31	30	0	Distortion Guitar	Distort
32	31	0	Guitar Harmaon.	Gtr Harm
33	32	0	Acoustic Bass	Ac.Bass1
34	33	0	Finger Bass	FngBass1
35	34	0	Pick Bass	PickBass
36	35	0	Fretless Bass	Fretles1
37	36	0	Slap Bass 1	SlapBas1
38	37	0	Slapp Bass 2	Slap Bas3
39	38	0	Synth Bass 1	SynBass1
40	39	0	Synth Bass 2	SynBass2
41	40	0	Violin	Violin
42	41	0	Viola	Viola
43	42	0	Cello	Cello
44	43	0	Contrabass	ContraBs
45	44	0	Tremolo Strings	TremStrg
46	45	0	Pizzicato Strings	Pizzicto
47	46	0	Orchestral Harp	Harp
48	47	0	Timpani	Timpani
49	48	0	String Ensem. 1	Strings1
50	49	0	String Ensem. 2	Strings2
51	50	0	Synth Strings 1	SynStrg1
52	51	0	Synth Strings 2	SynStrg2
53	52	0	Choir Aahs	ChoirAah
54	53	0	Choir Oohs	ScatVoic

<b>NR</b>	<b>PROG CHANGE</b>	<b>BANK</b>	<b>NAME</b>	<b>NAME ON DISPLAY</b>
55	54	0	Synth Voice	SynVoice
56	55	0	Orchestral Hit	Orch Hit
57	56	0	Trumpet	Trumpet
58	57	0	Trombone	Trombon1
59	58	0	Tuba	Tuba
60	59	0	Muted Trumpet	MuteTrum
61	60	0	French Horn	FrenchHr
62	61	0	Brass Section	Brass
63	62	0	Synth Brass 1	SynBras1
64	63	0	Synth Brass 2	SynBras2
65	64	0	Soprano Sax	SprnoSax
66	65	0	Alto Sax	Alto Sax
67	66	0	Tenor Sax	TenorSax
68	67	0	Baritone Sax	Bari Sax
69	68	0	Oboe	Oboe
70	69	0	English Horn	EnglHorn
71	70	0	Bassoon	Bassoon
72	71	0	Clarinet	Clarinet
73	72	0	Piccolo	Piccolo
74	73	0	Flute	Flute
75	74	0	Recorder	Recorder
76	75	0	Pan Flute	PanFlute
77	76	0	Blown Bottle	Bottle
78	77	0	Shakuhachi	Shakhchi
79	78	0	Whistle	Whistle
80	79	0	Ocarina	Ocarina
81	80	0	Square	Square1
82	81	0	Sawtooth	Saw 1
83	82	0	Calliope	Calliope
84	83	0	Chiff	Chiff
85	84	0	Charang	Charang
86	85	0	Voice	Voice
87	86	0	Fifths	Fifth
88	87	0	Bass+Lead	BasLead1
89	88	0	New Age	New Age
90	89	0	Warm Pad	WarmPad
91	90	0	Polysynth	Polysynt
92	91	0	Choir	Choir
93	92	0	Bowed Pad	Bowed
94	93	0	Metallic Pad	Metallic
95	94	0	Halo Pad	Halo
96	95	0	Sweep Pad	Sweep
97	96	0	Rain	Ice Rain
98	97	0	Sound Track	SoundTrk
99	98	0	Crystal	Crystal
100	99	0	Atmosphere	Atmosph1
101	100	0	Brightness	Brightns
102	101	0	Goblins	Goblins
103	102	0	Echoes	Echoes
104	103	0	Sci-Fi	SciFi
105	104	0	Sitar	Sitar
106	105	0	Banyo	Banjo
107	106	0	Shamisen	Shamisen
108	107	0	Koto	Koto 1
109	108	0	Kalimba	Kalimba
110	109	0	Bag Pipe	Bagpipe

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
111	110	0	Fidale	Fiddle
112	111	0	Shanai	Shanai
113	112	0	Tinkle Bell	TnklBell
114	113	0	Agogo	Agogo
115	114	0	Steel Drum	Stl Drum
116	115	0	Wood Block	WoodBlok
117	116	0	Taiko Drum	TaikoDrm
118	117	0	Melodic Tom	MelTom1
119	118	0	Synth Drum	SynDrum1
120	119	0	Reverse Cymbal	RevCymb1
121	120	0	Guit. Fret Noise	FretNois
122	121	0	Breath Noise	BrthNois
123	122	0	Seashore	Seashore
124	123	0	Birds	Tweet
125	124	0	Telephone	Telphon1
126	125	0	Helicopter	Helicptr
127	126	0	Applause	Applause
128	127	0	Gunshot	GunShot
129	0	0	Grand Piano	GrandPno
130	0	8	Grand Piano 2	GranPno2
131	0	16	Grand Piano+Strings	GPno+Str
132	0	24	Octa Piano 1	OctPian1
133	0	25	Octa Piano 2	OctPian2
134	1	0	Bright Piano	BritePno
135	2	0	El.Grand Piano	El.Grand
136	3	0	Honky Tonk	HnkyTonk
137	4	0	E. Piano 1	EIPiano1
138	4	7	Detune E.Piano1	DetPian1
139	4	8	E.Piano 3	MalletEP
140	4	16	Soft E.Piano	SftE.Pno
141	4	24	Mix E.Piano	MixE.Pno
142	5	0	E.Piano 2	EIPiano2
143	5	8	Detune E.Piano2	DetPian2
144	5	16	E.Piano 2 + Strings	EPno+Str
145	5	24	E.Piano 2 + Voice	EPno+Vcl
146	6	0	Harpsichord 1	Harpsi 1
147	6	8	Harpsichord 2	Harpsi 2
148	6	16	Harpsi + Strings	Harps+St
149	7	0	Clavinet	Clavinet
150	7	8	Funky Clavinet	FnkyClav
151	8	0	Celesta	Celesta
152	9	0	Glockenspiel	Glocken
153	10	0	Music Box	MusicBox
154	11	0	Vibes	Vibes
155	12	0	Marimba	Marimba
156	13	0	Xylophone	Xylophon
157	14	0	Chimes	Chimes
158	14	8	Church Bell	ChrcBell
159	14	9	Church Bell 2	ChrcBel2
160	14	16	Tubular Bells	TubulBel
161	15	0	Dulcimer	Dulcimer
162	16	0	Drawbar Organ	DrawOrgn
163	16	8	Detune Organ 1	DetOrgn1
164	16	13	Click Organ	ClickOrg
165	16	14	Theatre Organ 1	Theatre1
166	16	15	Theatre Organ 2	Theatre2

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
167	16	16	60' Organ	60' Orgn
168	16	17	Rock Organ 1	RockOrg1
169	16	18	Cool Organ	CoolOrgn
170	16	20	Tone Weel	ToneWeel
171	16	22	Rotor Organ	RotorOrg
172	16	23	Gospel Organ	GosplOrg
173	16	26	Jazz Organ 2	JazzOrg1
174	16	27	Rock Organ 2	RockOrg2
175	17	0	Jazz Organ 3	PercOrgn
176	17	8	Jazz Organ 4	JazzOrg2
177	17	16	Detune Organ 2	DetOrgn2
178	18	0	Rock Organ 3	RockOrg3
179	18	14	Chapel Organ	ChaplOrg
180	19	0	Church Organ 1	ChrcOrg1
181	19	8	Church Organ 2	ChrcOrg2
182	19	14	Lower Organ	LowerOrg
183	19	16	Church Organ 3	ChrcOrg3
184	19	24	Church Org.// Dynamic Choir	Chrc+Voc
185	20	0	Reed Organ	ReedOrgn
186	21	0	Musette	Accordio
187	21	8	Master	Master
188	22	0	Harmonica	Harmnica
189	22	8	Blues Harmonica	BlusHarp
190	23	0	Tango Accordion	TangoAcd
191	24	0	Nylon Guitar	NylonGt1
192	24	8	Nylon Guitar 2	NylonGt2
193	24	16	Nylon Guitar+Strings	NylGt+St
194	25	0	Steel Guitar	SteelGtr
195	25	8	12 Strings	12StrGtr
196	25	16	Mandolin	Mandolin
197	26	0	Jazz Guitar	JazzGtr1
198	26	1	Jazz Guitar 2	JazzGtr2
199	26	4	Double Jazz Guitar 1	2JazGtr1
200	26	5	Double Jazz Guitar 2	2JazGtr2
201	26	6	Jazz Guitar + Vibes	JGtr+Vib
202	26	8	Hawaiian Guitar 1	Hawaiian1
203	26	16	Hawaiian Guitar 2	Hawaiian2
204	26	24	Country Guitar	CntrGtr1
205	27	0	Clean Guitar 1	CleanGt1
206	27	8	Clean Guitar 2	CleanGt2
207	27	16	Electric Guitar	ElectGtr
208	27	24	60' s Guitar	60' Gtr
209	28	0	Muted Guitar	Mute Gtr
210	28	8	Funk Guitar 1	FunkGtr1
211	28	16	Funk Guitar 2	FunkGtr2
212	29	0	Overdrive Guitar	Ovrdrive
213	30	0	Distortion Guitar	Distort
214	30	8	Feed Back Guitar	FBakGtr1
215	30	16	Distorted Guitar Vibr.	DisGtrVb
216	31	0	Guitar Harmonics	Gtr Harm
217	31	8	Guitar Feed Back 2	FBakGtr2
218	32	0	Acoustic Bass 1	Ac.Bass1
219	32	1	Acoustic Bass 2	Ac.Bass2
220	32	8	Acoustic Bass 3	Ac.Bass3
221	32	16	Bass + Ride Cymbal	Bas+Ride
222	33	0	Finger Bass 1	FngBass1

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
223	33	1	Finger Bass 2	FngBass2
224	33	2	Finger // Slap Bass	Fng Slap
225	33	3	Finger Bass 3	FngBass3
226	33	8	Big Bass	BigBass
227	33	16	Big Bass Sustain	BigBassS
228	33	24	Organ Bass 1	OrgBass1
229	34	0	Pick Bass	PickBass
230	34	8	Bass 16+8	Bass16+8
231	34	16	Bass 8	Bass 8
232	34	24	Organ Bass 2	OrgBass2
233	35	0	Fretlees Bass 1	Fretles1
234	35	8	Fretless Bass 2	Fretles2
235	36	0	Slap Bass 1	SlapBas1
236	36	8	Slap Bass 2	SlapBas2
237	37	0	Slap Bass 3	Slap Bas3
238	37	8	Slap Bass 4	SlapBas4
239	38	0	Synth Bass 1	SynBass1
240	38	8	Synth Bass 3	SynBass3
241	38	16	Synth Bass 5	SynBass5
242	39	0	Synth Bass 2	SynBass2
243	39	8	Synth Bass 4	SynBass4
244	40	0	Violin 1	Violin
245	40	8	Violin 2	Violin 2
246	41	0	Viola	Viola
247	42	0	Cello	Cello
248	43	0	Contrabass	ContraBs
249	44	0	Tremolo Strings	TremStrg
250	45	0	Pizzicato	Pizzicto
251	46	0	Harp	Harp
252	47	0	Timpani	Timpani
253	48	0	Strings Ensemble 1	Strings1
254	48	16	Dynamic Orchestra	DynOrch
255	48	25	Orchestra + Flute	Orc+Flut
256	48	26	Orchestra + Oboe	Orc+Oboe
257	48	27	Orchestra + Horn 1	Orc+Hor1
258	48	28	Orchestra + Horn 2	Orc+Hor2
259	49	0	Strings Ensemble 2	Strings2
260	49	8	Octa Strings 1	OctaStr1
261	49	16	Strings Ensemble 3	Strings3
262	49	17	Octa Strings 2	OctaStr2
263	49	18	Accomp. Strings 1	AccStr1
264	49	19	Accomp. Strings 2	AccStr2
265	50	0	Synth Strings 1	SynStrg1
266	51	0	Synth Strings 2	SynStrg2
267	52	0	Choir Aah	ChoirAah
268	52	4	Choir Aah + Voice	Aah+Voic
269	52	8	Big Choir	BigChoir
270	52	16	Choir+Strings 1	Voc+Str1
271	52	17	Choir+Strings 2	Voc+Str2
272	52	18	Strings + Voice	Str+Voic
273	52	24	Choir + Organ	Voic+Org
274	52	25	Choir + Principal 8'	Voc+Prn8
275	53	0	Scat Voice	ScatVoic
276	54	0	Synth Voice	SynVoic
277	54	8	Pop Voice	PadVoic
278	54	16	Soft Pad	SoftPad

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
279	55	0	Orchestra Hit	Orch Hit
280	56	0	Trumpet	Trumpet
281	56	8	Trumpet2	Trumpet2
282	56	16	Trumpet3	Trumpet3
283	57	0	Trombone 1	Trombon1
284	57	4	Trombone 2	Trombon2
285	57	8	Mellow Trombone	MelTromb
286	57	24	Soft Trombone	SoftTrom
287	58	0	Tuba	Tuba
288	58	8	Tuba 2	Tuba2
289	59	0	Muted Trumpet	MuteTrum
290	60	0	French Horn 1	FrenchHr
291	60	8	French Horn 2	FrnchHr2
292	60	16	Horn Section	HornSec
293	60	17	Flugel Horn	FlugelHr
294	61	0	Brass	Brass
295	61	3	Soft Brass 1	SoftBras
296	61	4	Soft Brass 2	SftBras2
297	61	8	Soft Brass 3	SftBras3
298	61	9	Soft Brass 4	SftBras4
299	61	16	Big Brass 1	BigBras1
300	61	24	Big Brass 2	BigBras2
301	61	25	Big Brass 3	BigBras3
302	61	26	Big Brass 4	BigBras4
303	62	0	Synth Brass 1	SynBras1
304	62	8	Synth Brass 3	SynBras3
305	63	0	Synth Brass 2	SynBras2
306	63	8	Synth Brass 4	SynBras4
307	64	0	Soprano Sax	SprnoSax
308	65	0	Alto Sax 1	Alto Sax
309	65	8	Alto Sax 2	AltoSax2
310	65	16	Circus Sax	CircusSx
311	66	0	Tenor Sax	TenorSax
312	66	16	Tenor Sax Vibrato	TenSaxVb
313	66	24	Sax Section 1	SaxSect1
314	66	25	Sax Section 2	SaxSect2
315	66	26	Sax Section 3	SaxSect3
316	67	0	Baritone Sax	Bari Sax
317	68	0	Oboe	Oboe
318	69	0	English Horn	EnglHorn
319	70	0	Bassoon	Bassoon
320	71	0	Clarinet	Clarinet
321	71	4	Clarinet Vibrato	Clarivb
322	71	8	Mellow Clarinet	MelClari
323	71	16	Circus Clarinet	CircusCl
324	71	24	Clarinet Section	ClariSec
325	72	0	Piccolo	Piccolo
326	73	0	Flute	Flute
327	73	8	Jazz Flute	JazFlute
328	74	0	Recorder	Recorder
329	75	0	Pan Flute	PanFlute
330	76	0	Blow Bottle	Bottle
331	77	0	Shakuhachi	Shakhchi
332	78	0	Whistle	Whistle
333	79	0	Ocarina	Ocarina
334	80	0	Square 1	Square1

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
335	80	1	Square 2	Square2
336	80	8	Syn Wave	SynWave
337	81	0	Saw Tooth	Saw 1
338	81	1	Saw Tooth 2	Saw 2
339	81	8	Syn Flute	SynFlute
340	82	0	Calliope	Calliope
341	83	0	Chiff	Chiff
342	84	0	Charang	Charang
343	85	0	Voice	Voice
344	85	8	Voice Sust.	VoiceSus
345	86	0	Fifths	Fifth
346	87	0	Bass Lead 1	BasLead1
347	87	8	Bass Lead 2	BasLead2
348	88	0	Fantasy 1	New Age
349	88	8	Orchestra Bell	OrchBell
350	88	16	Fantasy 2	Fantasy
351	89	0	Warm Pad	WarmPad
352	90	0	Polysynth	Polysynt
353	91	0	Choir	Choir
354	92	0	Bowed	Bowed
355	93	0	Metallic	Metallic
356	94	0	Halo	Halo
357	95	0	Sweep	Sweep
358	96	0	Ice Rain	Ice Rain
359	97	0	Soundtrack	SoundTrk
360	98	0	Crystal	Crystal
361	99	0	Atmosphere 1	Atmosph1
362	99	8	Atmosphere 2	Atmosph2
363	100	0	Brightness	Brightns
364	101	0	Goblins	Goblins
365	101	8	Ghost	Ghost
366	102	0	Echoes	Echoes
367	102	2	Echo Pan	EchoPan
368	103	0	Sci-fi	SciFi
369	104	0	Sitar	Sitar
370	105	0	Banjo	Banjo
371	106	0	Shamisen	Shamisen
372	107	0	Koto 1	Koto 1
373	107	8	Koto 2	Koto 2
374	108	0	Kalimba	Kalimba
375	109	0	Bagpipe	Bagpipe
376	110	0	Fidale	Fiddle
377	111	0	Shanai	Shanai
378	112	0	Tinkbell	TnklBell
379	113	0	Agogo	Agogo
380	114	0	Steel Drum	Stl Drum
381	115	0	Wood Block	WoodBlok
382	115	8	Castanet	Castanet
383	116	0	Taiko Drum	TaikoDrm
384	116	8	Concert Bass Drum	ConBasDr
385	117	0	Melodic Tom 1	MelTom1
386	117	8	Melodic Tom 2	MelTom2
387	118	0	Syn Drum 1	SynDrum1
388	118	8	Syn Drum 2	SynDrum2
389	118	9	Syn drum 3	SynDrum3
390	119	0	Reverse Cymbal	RevCymb1



NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
391	120	0	Guitar Fret Noise	FretNois
392	120	1	Guitar Cut Noise	CutNois
393	120	2	String Slap	StrgSlap
394	121	0	Breath Noise	BrthNois
395	121	1	Key Click	KeyClick
396	122	0	Sea Shore	Seashore
397	122	1	Rain	Rain
398	122	2	Thunder	Thunder
399	122	3	Wind	Wind
400	122	4	Strema	Stream
401	122	5	Bubble	Bubble
402	123	0	Birds	Tweet
403	123	1	Dog	Dog
404	123	2	Horse	Horse
405	123	3	Birds 2	Birds
406	124	0	Telephone 1	Telphon1
407	124	1	Telephone 2	Telphon2
408	124	2	Door Open	DoorOpen
409	124	3	Door Close	DoorClos
410	124	4	Scratch	Scratch
411	124	5	Wind Chime	WndChime
412	125	0	Helicopter	Helicptr
413	125	1	Car Start	CarStart
414	125	2	Car Break	CarBreak
415	125	3	Car Pass	CarPass
416	125	4	Car Crash	CarCrash
417	125	5	Police	Police
418	125	6	Train	Train
419	125	7	Jet	Jet
420	125	8	Star Ship	StarShip
421	125	9	Burst Noise	Burst
422	126	0	Applause	Applause
423	126	1	Laughing	Laughtin
424	126	2	Screaming	Scramin
425	126	3	Punch	Punch
426	126	4	Heart Beat	Heart
427	126	5	Foot Step	FootStep
428	126	6	Yeah	Yeah
429	126	7	One	One
430	126	8	Two	Two
431	126	9	Three	Trhree
432	126	10	Four	Four
433	127	0	Gun Shot	GunShot
434	127	1	Machine	Machine
435	127	2	Laser Gun	LaserGun
436	127	3	Explosio	Explosion
437	0	32	Bassoon	Bassoon
438	1	32	Cassotto	Cassotto
439	2	32	Double Basson	D.Basson
440	3	32	16+16+8	16+16+8
441	4	32	Bandon1	Bandon1
442	5	32	Bandon2	Bandon2
443	6	32	Tuba Fisa	TubaFisa
444	7	32	Accordeon	Accord
445	8	32	Horn	Horn
446	9	32	Organ	Organ

NR	PROG CHANGE	BANK	NAME	NAME ON DISPLAY
447	10	32	Harmonium	Harmon
448	11	32	Master 1	Master 1
449	12	32	Master 2	Master 2
450	13	32	Master 3	Master 3
451	14	32	Master 4	Master 4
452	15	32	Master 5	Master 5
453	16	32	Master 6	Master 6
454	17	32	Musette	Musette
455	18	32	French	French
456	19	32	Italian Accordion	Italian
457	20	32	Brilliant	Brillant
458	21	32	Violino	Violino
459	22	32	Celeste	Celeste
460	23	32	Tremolo	Tremolo
461	24	32	American Tremolo	AmerTrem
462	25	32	Tango Accordion	T.Accord
463	26	32	Musette+Piccolo	Mus+Picc
464	27	32	Oboe1	Oboe 1
465	28	32	Oboe 2	Oboe 2
466	29	32	Clarinet	Clarinet
467	30	32	Flute	Flute
468	31	32	Piccolo	Piccolo
469	32	32	Diatonic	Diatonic
470	33	32	Diatonic Bass	DiatBass
471	34	32	Diatonic Chord	DiatChrd
472	35	32	Accordion Bass 1	AccBass1
473	36	32	Accordion Bass 2	AccBass2
474	37	32	Accordion Chord 1	AccChrd1
475	38	32	Accordion Chord 2	AccChrd2
476	39	32	Accordion Chord 3	AccChrd3
477	Drum kits		STANDARD	Standard
478	"		ROOM	Room
479	"		POWER	Power
480	"		ELECTRIC	Electric
481	"		DANCE	Dance
482	"		JAZZ	Jazz
483	"		BRUSH	Brush
484	"		CLASSIC	Classic
485	"		EFFECTS	Effects

# STYLE LIST

NR	STYLE NAME	NR	STYLE NAME	NR	STYLE NAME
	<b>8 BEAT</b>		<b>DISCO</b>	<b>90</b>	Rock & Roll
<b>01</b>	8 Beat	<b>44</b>	Disco	<b>91</b>	50' Rock & Roll
<b>02</b>	8 Beat 2	<b>45</b>	Disco 2	<b>92</b>	50' Rock
<b>03</b>	8 Beat 3	<b>46</b>	Disco 3	<b>93</b>	Jazz Rock
<b>04</b>	8 Beat 4	<b>47</b>	Disco 4	<b>94</b>	Jazz Rock 2
<b>05</b>	8 Beat 5	<b>48</b>	60' Disco	<b>95</b>	Boogie
<b>06</b>	8 Beat 6	<b>49</b>	70' Disco	<b>96</b>	Boogie 2
<b>07</b>	60' Organ	<b>50</b>	70' Disco 2	<b>97</b>	Jive
<b>08</b>	60' Pop	<b>51</b>	70' Disco 3	<b>98</b>	Piano Boogie
<b>09</b>	Modern 3/4	<b>52</b>	70' Disco 4	<b>99</b>	Shuffle
<b>10</b>	Folk Pop	<b>53</b>	Philly	<b>100</b>	Shuffle Piano
<b>11</b>	8 Beat Modern	<b>54</b>	Soul	<b>101</b>	Twist
<b>12</b>	60' 8 Beat	<b>55</b>	Swing Rock	<b>102</b>	Ragtime
	<b>16 BEAT</b>	<b>56</b>	Pick Up	<b>103</b>	Ragtime2
<b>13</b>	16 Beat		<b>BIG BAND &amp; SWING</b>	<b>104</b>	Stride
<b>14</b>	16 Beat 2	<b>57</b>	Basie	<b>105</b>	Stride Piano
<b>15</b>	16 Beat 3	<b>58</b>	Dance Band	<b>106</b>	Cool Jazz
<b>16</b>	Pop Shuffle	<b>59</b>	Slow Band	<b>107</b>	Honky Tonk
<b>17</b>	Pop Organ	<b>60</b>	Mute Band		<b>BLUES &amp; GOSPEL</b>
<b>18</b>	Kool Shuffle	<b>61</b>	Siwng Band	<b>108</b>	Bluesy
<b>19</b>	Fusion	<b>62</b>	Show Band	<b>109</b>	Blues
<b>20</b>	New Age	<b>63</b>	Show Time	<b>110</b>	Blues 2
	<b>BALLAD</b>	<b>64</b>	Show Ballad	<b>111</b>	Rhithm & Blues
<b>21</b>	Ballad	<b>65</b>	Big Band Ballad	<b>112</b>	Blues Man
<b>22</b>	Ballad 2	<b>66</b>	Big Band fast	<b>113</b>	Gospel
<b>23</b>	Soft Ballad	<b>67</b>	30' Swing	<b>114</b>	Gospel 2
<b>24</b>	New Ballad	<b>68</b>	Big Band Swing	<b>115</b>	Gospel 3
<b>25</b>	50' Ballad	<b>69</b>	Broadway	<b>116</b>	Gospel 4
<b>26</b>	Pop Ballad	<b>70</b>	Easy Jazz	<b>117</b>	Gospel Shuffle
<b>27</b>	Nice&Esy	<b>71</b>	Easy Jazz 2		<b>COUNTRY</b>
<b>28</b>	Love Song	<b>72</b>	Swing	<b>118</b>	Country 1
<b>29</b>	Slow Ballad	<b>73</b>	Slow Swing	<b>119</b>	Country 2
<b>30</b>	Slow Rock	<b>74</b>	Fast Swing	<b>120</b>	Country 3
<b>31</b>	Slow Rock 2	<b>75</b>	Fast Swng 2	<b>121</b>	Country 4
<b>32</b>	Slow Rock 3	<b>76</b>	20' Swing	<b>122</b>	Slow Country
	<b>DANCE</b>	<b>77</b>	Bounce	<b>123</b>	Country Pop
<b>33</b>	Swing House	<b>78</b>	Modern Jazz	<b>124</b>	Country 2/4
<b>34</b>	Club Latin	<b>79</b>	Jazz Man	<b>125</b>	Country ¾
<b>35</b>	UK Pop	<b>80</b>	Piano Bar	<b>126</b>	Country Waltz
<b>36</b>	British	<b>81</b>	Lounge Piano	<b>127</b>	8 Beat Country
<b>37</b>	HH Groove	<b>82</b>	Dixie	<b>128</b>	Country 2 Beat
<b>38</b>	Hip Hop	<b>83</b>	Dixie 2	<b>129</b>	Country Beat
<b>39</b>	Techno	<b>84</b>	Dixie 3	<b>130</b>	Country Rock
<b>40</b>	Motsound	<b>85</b>	Dixie Bar	<b>131</b>	Country Rok 2
<b>41</b>	Acid Jazz	<b>86</b>	Hully Gully	<b>132</b>	Bluegras
<b>42</b>	Rap		<b>ROCK &amp; BOOGIE</b>	<b>133</b>	50' Shuffle
<b>43</b>	Funk	<b>87</b>	Rock	<b>134</b>	70' Shuffle
		<b>88</b>	Rock 2	<b>135</b>	Sixties
		<b>89</b>	Rock 3	<b>136</b>	Western

NR	STYLE NAME	NR	STYLE NAME	NR	STYLE NAME
	<b>LATIN 1</b>		<b>BALLROOM</b>		
137	Bossa	183	Tango	230	Sirtos
138	Bossa 2	184	Tango 2	231	Lullaby Waltz
139	Bossa 3	185	Tango 3	232	Slow 6/8
140	Jazz Bossa	186	Habanera	233	Piano Ballad
141	Slow Bossa	187	Paso Doble	234	Baroque
142	Benson Nova	188	Paso Doble 2	235	Baroque 2
143	Modern Bossa	189	Flamenco	236	Calipso
144	Modern Latin	190	Corrida	237	Arabic 1
145	Latin Jazz	191	Argentino	238	Arabic 2
146	Latin Jazz 2	192	Charleston	239	Arabic 3
147	Samba	193	Slow Fox	240	Zebekiko
148	Samba 2	194	Soft Shoe	241	Eastern
149	Samba 3	195	Fox Trot		<b>WALTZ</b>
150	Samba Organ	196	Fox Trot 2	242	Waltz
151	Samba Pop	197	Fox Trot 3	243	Standad Waltz
152	Disco Samb	198	Fox Trot 4	244	Orchestra Walz
153	Disco Samb 2	199	Euro Fox	245	Slow Waltz
154	Salsa	200	Vox Swing	246	Slov Waltz 2
155	Guaracha	201	Sing Song	247	Elegan Waltz
156	Macarena	202	Barndance	248	Organ Waltz
157	Bajon	203	Quick Step	249	Jazz Waltz
158	Limbo	204	Quick Step 2	250	Modern Waltz
	<b>LATIN 2</b>	205	Quick Step 3	251	Musette
159	Rhumba	206	Quick Step 4	252	Oompah
160	Rhumba 2	207	Organ Quick Step	253	Tirol Waltz
161	Rhumba 3	208	Easy Quik	254	Traditional Waltz
162	Rhumba 4	209	Theatre	255	Mazurka
163	Rhumba 5	210	Theat 2/4	256	Mazurka 2
164	Beguine	211	Theat 6/8	257	Mazurka 3
165	Beguine 2	212	Tip Tap	258	Mazurka 4
166	Mambo		<b>WORLD</b>	259	Vienna
167	Disco Mambo	213	March 2/4	260	Viennese
168	Cha Cha	214	March		
169	Cha Cha 2	215	March 6/8		
170	Cha Cha 3	216	March 68		
171	Bolero	217	Tarantella		
172	Bolero 2	218	Saltarello		
173	Meneito	219	Polka		
174	Meneito 2	220	Polka 2		
175	Talisman	221	Pop Polka		
176	Merengue	222	Polka Italiana		
177	Merengue 2	223	Party Polka		
178	Bamba	224	Ober Polka		
179	Gipsy	225	Quadriglia		
180	Reggae	226	Reel 2/4		
181	Reggae 2	227	Reel 6/8		
182	Lambada	228	Irish Jig		
		229	Hawaiian		

<b>Drum Kit - a -</b>					
	<b>STANDARD</b>	<b>ROOM</b>	<b>POWER</b>	<b>ELECTRIC</b>	<b>DANCE</b>
24 - C1	Fingers Snap Left	Fingers Snap Left	Fingers Snap Left	Fingers Snap Left	Fingers Snap Left
25 - C#1	Finger Snap Right	Finger Snap Right	Finger Snap Right	Finger Snap Right	Finger Snap Right
26 - D1	Snare Roll	Snare Roll	Snare Roll	Snare Roll	Snare Roll
27 - D#1	High Q	High Q	High Q	High Q	High Q
28 - E1	Slap	Slap	Slap	Slap	Slap
29 - F1	Scratch Push	Scratch Push	Scratch Push	Scratch Push	Scratch Push
30 - F#1	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull
31 - G1	Sticks	Sticks	Sticks	Sticks	Sticks
32 - G#1	Square Click	Square Click	Square Click	Square Click	Square Click
33 - A1	Metron. Click	Metron. Click	Metron. Click	Metron. Click	Metron. Click
34 - A#1	Metron. Bell	Metron. Bell	Metron. Bell	Metron. Bell	Metron. Bell
35 - B1	Bass Drum 2	Bass Drum 2	Bass Drum 2	<b>El. Bass Drum 2</b>	<b>808 Bass Drum 2</b>
36 - C2	Bass Drum 1	Bass Drum 1	Bass Drum 1	<b>El. Bass Drum 1</b>	<b>808 Bass Drum 1</b>
37 - C#2	Side Stick	Side Stick	Side Stick	Side Stick	<b>Side Stick</b>
38 - D2	Snare Drum 1	Snare Drum 1	<b>Gated Snare</b>	<b>El. Snare Drum 1</b>	<b>808 Snare Drum</b>
39 - D#2	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap
40 - E2	Snare Drum 2	Snare Drum 2	Snare Drum 2	<b>Gated Snare</b>	<b>Snare Drum 2</b>
41 - F2	Low Floor Tom	<b>Room Low Tom 2</b>	<b>Room Low Tom 2</b>	<b>El. Low Tom 2</b>	<b>808 Low Tom 2</b>
42 - F#2	Close Hi-Hat	Close Hi-Hat	Close Hi-Hat	Close Hi-Hat	<b>808 Close Hi- Hat</b>
43 - G2	H. Floor Tom	<b>Room Low Tom 1</b>	<b>Room Low Tom 1</b>	<b>El. Low Tom 1</b>	<b>808 Low Tom 1</b>
44 - G#2	Pedal Hi-Hat	Pedal Hi-Hat	Pedal Hi-Hat	Pedal Hi-Hat	<b>808 Pedale Hi- Hat</b>
45 - A2	Low Tom	<b>Room Mid Tom 2</b>	<b>Room Mid Tom 2</b>	<b>El. Mid Tom 2</b>	<b>808 Mid Tom 2</b>
46 - A#2	Open Hi-Hat	Open Hi-Hat	Open Hi-Hat	Open Hi-Hat	<b>808 open Hi-Hat</b>
47 - B2	Low Mid Tom	<b>Room Mid Tom 1</b>	<b>Room Mid Tom 1</b>	<b>El. Mid Tom 1</b>	<b>808 Mid Tom 1</b>
48 - C3	Hi Mid Tom	<b>Room Hi Tom 2</b>	<b>Room Hi Tom 2</b>	<b>El. Hi Tom 2</b>	<b>808 Hi Tom 2</b>
49 - C#3	Crash Cymbal1	Crash Cymbal1	Crash Cymbal1	Crash Cymbal1	<b>808 Crash Cymb 1</b>
50 - D3	High Tom	<b>Room Hi Tom 1</b>	<b>Room Hi Tom 1</b>	<b>El. Hi Tom 1</b>	<b>808 Hi Tom 1</b>
51 - D#3	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1
52 - E3	Chinese Cymbal	Chinese Cymbal	Chinese Cymbal	<b>Reverse Cymbal</b>	Chinese Cymbal
53 - F3	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54 - F#3	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55 - G3	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal
56 - G#3	Cowbell	Cowbell	Cowbell	Cowbell	<b>808 Cow bell</b>
57 - A3	Crash Cymbal2	Crash Cymbal2	Crash Cymbal2	Crash Cymbal2	Crash Cymbal2
58 - A#3	Vibraslap	Vibraslap	Vibraslap	Vibraslap	Vibraslap
59 - B3	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbalal 2	Ride Cymbal 2	Ride Cymbal 2
60 - C4	Hi Bongo	Hi Bongo	Hi Bongo	Hi Bongo	Hi Bongo
61 - C#4	Low Bongo	Low Bongo	Low Bongo	Low Bongo	Low Bongo
62 - D4	Mute Hi Conga	Mute Hi Conga	Mute Hi Conga	Mute Hi Conga	<b>808 Mute Hi Cong</b>
63 - D#4	Open Hi Conga	Open Hi Conga	Open Hi Conga	Open Hi Conga	<b>808 Open Hi Cong</b>
64 - E4	Conga Low	Conga Low	Conga Low	Conga Low	<b>808Low Conga</b>
65 - F4	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66 - F#4	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67 - G4	High Agogo	High Agogo	High Agogo	High Agogo	High Agogo
68 - G#4	Low Agogo	Low Agogo	Low Agogo	Low Agogo	Low Agogo
69 - A4	Cabasa	Cabasa	Cabasa	Cabasa	Cabala
70 - A#4	Maracas	Maracas	Maracas	Maracas	<b>808 Maracas</b>
71 - B4	Short Whistle	Short Whistle	Short Whistle	Short Whistle	Short Whistle
72 - C5	Long Whistle	Long Whistle	Long Whistle	Long Whistle	Long Whistle
73 - C#5	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74 - D5	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75 - D#5	Claves	Claves	Claves	Claves	<b>808 Claves</b>
76 - E5	Hi Woodblok	Hi Woodblok	Hi Woodblok	Hi Woodblok	Hi Woodblok
77 - F5	Low Woodblok	Low Woodblok	Low Woodblok	Low Woodblok	Low Woodblok
78 - F#5	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79 - G5	Open Quica	Open Quica	Open Quica	Open Quica	Open Quica
80 - G#5	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle
81 - A5	Open Triangle	Open Triangle	Open Triangle	Open Triangle	Open Triangle
82 - A#5	Shaker	Shaker	Shaker	Shaker	Shaker
83 - B5	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
84 - C6	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
85 - C#6	Castanets	Castanets	Castanets	Castanets	Castanets
86 - D6	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87 - D#6	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
88 - E6					

<b>Drum Kit - b -</b>					
	<b>JAZZ</b>	<b>BRUSH</b>	<b>CLASSIC</b>	<b>SOUND FX</b>	
24 - C1	Fingers Snap Left	Fingers Snap Left	Fingers Snap Left	xxxxxxxxxxxxx	
25 - C#1	Finger Snap Right	Finger Snap Right	Finger Snap Right	xxxxxxxxxxxxx	
26 - D1	Snare Roll	Snare Roll	Snare Roll	xxxxxxxxxxxxx	
27 - D#1	High Q	High Q	<b>Closed Hi-hat</b>	xxxxxxxxxxxxx	
28 - E1	Slap	Slap	<b>Pedal Hi-Hat</b>	xxxxxxxxxxxxx	
29 - F1	Scratch Push	Scratch Push	<b>Open Hi-Hat</b>	xxxxxxxxxxxxx	
30 - F#1	Scratch Pull	Scratch Pull	<b>Ride Cymbal</b>	xxxxxxxxxxxxx	
31 - G1	Sticks	Sticks	Sticks	xxxxxxxxxxxxx	
32 - G#1	Square Click	Square Click	Square Click	xxxxxxxxxxxxx	
33 - A1	Metron. Click	Metron. Click	Metron. Click	xxxxxxxxxxxxx	
34 - A#1	Metron. Bell	Metron. Bell	Metron. Bell	xxxxxxxxxxxxx	
35 - B1	Bass Drum 2	Bass Drum 2	Bass Drum 2	xxxxxxxxxxxxx	
36 - C2	<b>Bass Drum 1</b>	Bass Drum 1	Bass Drum 1	xxxxxxxxxxxxx	
37 - C#2	Side Stick	Side Stick	Side Stick	xxxxxxxxxxxxx	
38 - D2	<b>Jazz Snare 2</b>	<b>Brush Tap</b>	<b>Concert SD</b>	xxxxxxxxxxxxx	
39 - D#2	Hand Clap	<b>Brush Slap</b>	<b>Castanets</b>	High Q	
40 - E2	<b>Jazz Snare 1</b>	<b>Brush Swirl</b>	<b>Concert SD</b>	Slap	
41 - F2	Low Floor Tom	Low Floor Tom	<b>Timpani F</b>	Scratch Push	
42 - F#2	Close Hi-Hat	Close Hi-Hat	<b>Timpani F#</b>	Scratch Pull	
43 - G2	H. Floor Tom	H. Floor Tom	<b>Timpani G</b>	Sticks	
44 - G#2	Pedal Hi-Hat	Pedal Hi-Hat	<b>Timpani G#</b>	Square Click	
45 - A2	Low Tom	Low Tom	<b>Timpani A</b>	Metronome Click	
46 - A#2	Open Hi-Hat	Open Hi-Hat	<b>Timpani A#</b>	Metronome Bell	
47 - B2	Low Mid Tom	Low Mid Tom	<b>Timpani B</b>	Guitar Slide	
48 - C3	Hi Mid Tom	Hi Mid Tom	<b>Timpani C</b>	Guitar Cut Noise 1	
49 - C#3	Crash Cymbal1	Crash Cymbal1	<b>Timpani C#</b>	Guitar Cut Noise 2	
50 - D3	High Tom	High Tom	<b>Timpani D</b>	Double Bass Slap	
51 - D#3	Ride Cymbal 1	Ride Cymbal 1	<b>Timpani D#</b>	Key Click	
52 - E3	Chinese Cymbal	Chinese Cymbal	<b>Timpani E</b>	Laughing	
53 - F3	Ride Bell	Ride Bell	<b>Timpani F</b>	Screaming	
54 - F#3	Tambourine	Tambourine	Tambourine	Punch	
55 - G3	Splash Cymbal	Splash Cymbal	Splash Cymbal	Heart Beat	
56 - G#3	Cowbell	Cowbell	Cowbell	Foot Step 1	
57 - A3	Crash Cymbal2	Crash Cymbal2	<b>Concert Cymb. 2</b>	Foot Step 2	
58 - A#3	Vibraslap	Vibraslap	Vibraslap	Applause	
59 - B3	Ride Cymbal 2	Ride Cymbal 2	<b>Concert Cymb. 1</b>	Door Creaking	
60 - C4	Hi Bongo	Hi Bongo	Hi Bongo	Door Closing	
61 - C#4	Low Bongo	Low Bongo	Low Bongo	Scratch	
62 - D4	Mute Hi Conga	Mute Hi Conga	Mute Hi Conga	Wind Chime	
63 - D#4	Open Hi Conga	Open Hi Conga	Open Hi Conga	Car Start	
64 - E4	Conga Low	Conga Low	Conga Low	Car Breaking	
65 - F4	High Timbale	High Timbale	High Timbale	Carr Pass	
66 - F#4	Low Timbale	Low Timbale	Low Timbale	Car Crash	
67 - G4	High Agogo	High Agogo	High Agogo	Police	
68 - G#4	Low Agogo	Low Agogo	Low Agogo	Train	
69 - A4	Cabasa	Cabasa	Cabasa	Jet	
70 - A#4	Maracas	Maracas	Maracas	Helicopter	
71 - B4	Short Whistle	Short Whistle	Short Whistle	Starship	
72 - C5	Long Whistle	Long Whistle	Long Whistle	Gun Shot	
73 - C#5	Short Guiro	Short Guiro	Short Guiro	Machine Gun	
74 - D5	Long Guiro	Long Guiro	Long Guiro	Laser	
75 - D#5	Claves	Claves	Claves	Explosion	
76 - E5	Hi Woodblok	Hi Woodblok	Hi Woodblok	Dog	
77 - F5	Low Woodblok	Low Woodblok	Low Woodblok	Horse	
78 - F#5	Mute Cuica	Mute Cuica	Mute Cuica	Birds	
79 - G5	Open Quica	Open Quica	Open Quica	Rain	
80 - G#5	Mute Triangle	Mute Triangle	Mute Triangle	Thunder	
81 - A5	Open Triangle	Open Triangle	Open Triangle	Wind	
82 - A#5	Shaker	Shaker	Shaker	Seashore	
83 - B5	Jingle Bell	Jingle Bell	Jingle Bell	Rain 2	
84 - C6	Bell Tree	Bell Tree	Bell Tree	Bubbles	
85 - C#6	Castanets	Castanets	Castanets	Yeha	
86 - D6	Mute Surdo	Mute Surdo	Mute Surdo	xxxxxxxxxxxxx	
87 - D#6	Open Surdo	Open Surdo	Open Surdo	F6 - One      F#6 - Two	
88 - E6			Applause	G6 - Three    G#6 - Four	

# MIDI Implementation Chart

MIDI Implementation Chart

Function	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1-16CH 1-16CH	1-16CH 1-16CH	
Mode Default Messages Altered	Mode 3 X *****	1 X X	
Note Number :True voice	0-127 *****	0~127 0~127	
Velocity Note ON Note OFF	○ 9nH,v=1~127 ○ 9nH,v=0	○ 9nH,v=1~127 ○ 9nH,v=0 or 8nh	
Affer Key's	X	X	
Pitch Bender	○	○	
Control Change 0,32 6,38 7 10 11 64 66 80 84 91 96,97 100,101 120 121	X X ○ ○ X ○ X X ○ ○ ○ X ○ ○ X	○ ○ ○ ○ ○ ○ X ○ ○ ○ ○ ○ ○ ○	Bank select MSB,LSB Date entry MSB,LSB Volume Pan Expression Sustain Sostenuto DSP TYPE Portamento control DSP DEPTH Date increment,decrement RPN LSB,MSB All sound off Reset all Controllers
Programe Change : True	○ 0-127 ○ 0-127	○ 0-127 ○ 0-127	
System Exclusive	X	X	
System : Song Position : Song Select Common : Tune	X X X	X X X	
Aux : Local on/off : All Notes Off Messages: Active Sense : Reset	X ○ X ○	X ○ X ○	

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