

Owner's Guide

LOWREY
Genie
GL-1

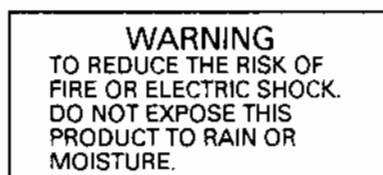
LOWREY

1988

IMPORTANT SAFETY INSTRUCTIONS

WARNING — When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. 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 the ears, you should consult an audiologist.
4. The product should be located so that its location or position does not interfere with its proper ventilation.
5. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
6. Keep the instrument away from electrical motors, neon signs, fluorescent light fixtures, and other sources.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
8. This product may be equipped with a polarized line plug (one blade wider than the other). 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. Always turn the power off when the instrument is not in use. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
10. During an electrical storm, turn off the power and unplug.
11. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
12. The product should be serviced by qualified service 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 enclosure damaged.
13. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.



AVIS: RISQUE DE CHOC ELECTRIQUE -NE PAS OUVRIR.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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



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

Welcome to the Lowrey Family

Congratulations on the purchase of your new Lowrey Genie GL-1 instrument. Incorporating state-of-the-art PCM (Pulse Code Modulation) and DWM (Digital Wave Modulation) technologies, the GL-1 offers the latest in authentic sound reproduction and a collection of features that provide the player with unlimited musical expression.

The famous Lowrey sound is being produced using DWM (Digital Wave Modulation) giving richness to the Preset organ, string, brass, woodwind and reed voices, PCM Digital Rhythm adds the most realistic percussion voices available. Combine these with the 16 built-in Track II Rhythm Plus Orchestration Styles for an exciting selection of fully orchestrated backgrounds.

Add to this the versatility of the Lowrey GL-1 Memory Pack, and the combination gets even more exciting. The GL-1 Memory Packs, which can be purchased from your Lowrey Dealer, add to the built-in Rhythm Plus Orchestration Styles by allowing the player to choose from any of the pre-programmed Style and Rhythm patterns contained on any of the GL Memory Packs. With an ever expanding library of GL-1 Memory Packs to choose from, there are styles and rhythms to suit many musical tastes.

Lowrey's Mach Sequencer allows the player to record entire songs digitally, complete with melody, accompaniment and bass. Registration changes can even be digitally recorded and played back adding further to the flexibility and enjoyment of the GL-1.

Again, welcome to the Lowrey Family. Our best wishes for a lifetime of musical satisfaction.

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Getting Started

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GETTING STARTED

PANEL CONTROLS

Panel controls on the GL-1 include any of the buttons, tabs and switches that allow the player to make selections and adjustments on the instrument. In general terms, all the controls on the instrument fall into one of two categories; Sound or Effects. The upper keyboard **Orchestral** and **Solo Voice Touch Buttons** are "sound" controls because they allow a sound to be played on the keyboard. **A.O.C.** is an **Effect** control because instead of registering a sound, it modifies an existing sound. There are four basic categories on the instrument, and the controls that are included in each category:

1. THE POWER SWITCH MASTER VOLUME CONTROL

The **POWER SWITCH** is located to the upper right hand side of the upper keyboard. Turn this control clockwise (right) to turn the organ on and set the master volume.



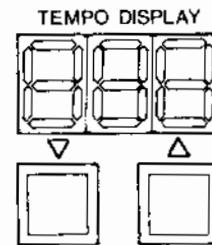
2. TOUCH ON / TOUCH OFF CONTROLS

TOUCH BUTTONS: Touch these buttons once to turn them "on" or "off". The red LED next to them will light up when they are "ON". Touch On/Touch Off buttons control one specific sound or function.



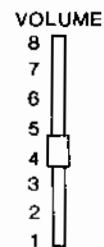
3. TOUCH AND HOLD BUTTONS

When you **TOUCH AND HOLD** down one of these buttons, the corresponding control level will be incrementally increased or decreased. A new value will be set when you let go of the button.



4. SLIDER CONTROLS

SLIDERS: When sliding these up or down they increase or decrease the corresponding control level.



5. ADDITIONAL CONTROLS

Expression Control: To the right at the base of the organ is a large foot pedal. This is called the **Expression** or **Volume Pedal** which controls the over all volume of the organ. Push forward with the toe of your right foot to increase the volume and backwards with your heel to decrease the volume.



GETTING STARTED

FX FOOT SWITCH: On the right side of the Expression Pedal is the FX Foot Switch. This foot switch performs the same function as the FX Touch Button. To activate the **RIGHT FOOTSWITCH**, place your right foot on the Expression pedal and pivot your foot so that your toe moves to the right and presses against the footswitch. To turn off the **RIGHT FOOT SWITCH**, pivot your foot to the left so that it no longer touches the **FOOT SWITCH**.



TUTORIAL

TURN ON AND PLAY

While the Lowrey GL-1 is a sophisticated and technologically advanced instrument and it is easy to play. To illustrate this ease of play we have provided two quick musical examples to help you get started making music right away.

Use this example to hear a sample of the instrument's traditional sound.

1. Locate the **POWER SWITCH - MASTER VOLUME CONTROL** located to the extreme right hand corner next to the upper keyboard. Turn it on and set the volume to about half way. The control panel will light up flashing from left to right.
2. You will see that the Piano, in the **ORCHESTRAL** section, the "Swing" rhythm in the **TRACK II RHYTHM PLUS ORCHESTRATION** section, the "Bass" preset in the **BASS** section and "Organ" in the **LEFT PRESET** section will all turn on.
3. Locate the "brown" **KEYED START** Touch Button in the **ACCOMP/RHYTHM FEATURES** section. Touch the **KEYED START** Touch Button so that the red light will be out (turned off).

You are now ready to begin. Play one finger melody notes on the upper keyboard. Play your one-finger or multi-note chords on the lower keyboard. To play one finger chords, match the C, F and G on the music below with the corresponding red, blue and green C, F and G keys on the lower keyboard. To stop the steady Flute and Bass sound on the lower keyboard, touch the red **START/STOP** switch.

Amazing Grace

The image shows two staves of musical notation for the piece "Amazing Grace". The first staff is in treble clef with a 3/4 time signature. It contains a melody of quarter notes: C4, D4, E4, F4, G4, A4, B4, C5. Above the staff, three chord symbols are placed: a box with 'C' above the first measure, a box with 'F' above the fourth measure, and a box with 'C' above the seventh measure. The second staff is also in treble clef and contains a bass line of quarter notes: G2, F2, E2, D2, C2, B1, A1, G1. Above this staff, three chord symbols are placed: a box with 'G' above the first measure, a box with 'F' above the fourth measure, and a box with 'C' above the seventh measure. The piece concludes with a double bar line.

TUTORIAL

TRACK II RHYTHM PLUS ORCHESTRATION

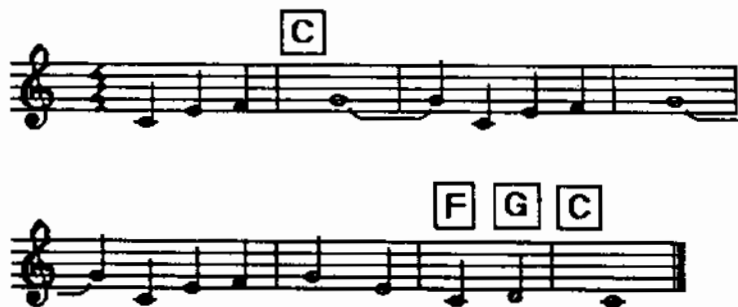
The following example will illustrate Lowrey's famous fully orchestrated accompaniments.

1. Locate the **POWER SWITCH - MASTER VOLUME CONTROL**. Turn on the power switch.
2. Locate the **RHYTHM PRESET Touch Button** in the **ACCOMP/RHYTHM FEATURES** section. Touch it on.
3. Locate the **INTRO/ENDING Touch Button** in the same section. Touch it on. This will add a professional introduction to the orchestrated accompaniment.

You are now ready to begin. Using your right hand, play the melody notes on the upper keyboard. With your left hand, play your one finger or multi note chords on the lower keyboard. To play one finger chords, match the C, F, and G on the music below with the corresponding red, blue and green C, F, and G keys on the lower keyboard.

A professionally scored introduction followed by the orchestrated accompaniment will begin when you press the red C note on the left (lower) section of the keyboard. When you finish the song, touch the **INTRO/ENDING Touch Button** once, you will then hear a professionally scored ending.

When the Saints Go Marching In



SONG PRESET

On the control panel to the right of the lower keyboard you will find a button marked "SONG PRESET". Press this button and you will hear a complete song play for you. Press this button once again and the song that you are now hearing will stop.

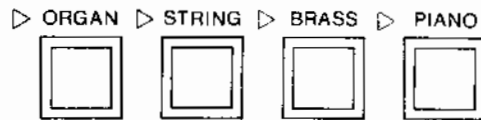
Lower Keyboard & Bass

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LOWER KEYBOARD & BASS

LOWER PRESET VOICES

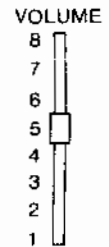
Located to the extreme left-hand side of the upper keyboard is the LOWER PRESET Voice section.



To select a LOWER PRESET Voice simply touch the desired Touch Button and the red LED to the left of the Touch Button will light up. When MCS (Music Chord System) ORCH, or ORCH. PLUS with TRACK II RHYTHM PLUS ORCHESTRATION is in use these voices do not sound. These sounds are used when it is not desired to have Rhythm with Orchestration when playing a song.

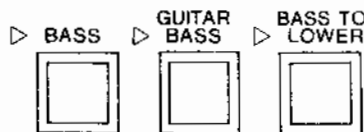
LOWER PRESET VOICES — SLIDER VOLUME CONTROL

Move this control away from you (up) to increase the volume of the LOWER PRESET section, towards you (down) to lower the volume.



BASS PRESET VOICES

There are two voices for the bass pedals, BASS and GUITAR BASS, located to the left of the SOLO PRESETS Section. Keyboard BASS adds the Bass sound to the lower keyboard so that when a chord is played on the lower keyboard the correct bass note will sound.

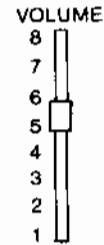


Simply Touch the desired Touch Button to select a BASS PRESET Voice and the red LED to the left of the Touch Button will light up.

LOWER KEYBOARD & BASS

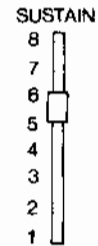
BASS PRESET VOICES — SLIDER VOLUME CONTROL

Move this control away from you (up) to increase the volume of the BASS PRESET section, towards you (down) to lower the volume.



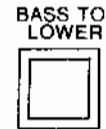
BASS SUSTAIN — SLIDER CONTROL

To the left of the Bass Section is the BASS SUSTAIN Slider Control. Without BASS SUSTAIN, Bass notes cease to sound as soon as the note is released. Adding Bass Sustain allows the note to linger or “sustain”, this will give your Bass notes a smooth sound between each bass note played. To increase the amount of sustain move the control “up”, to decrease the amount move the control “down”.



BASS TO LOWER

BASS to LOWER transfers the bass sound that is selected from the pedals to the lower keyboard. When a multi-note chord is played on the lower keyboard without rhythm you will hear a correct bass note play.



This feature will allow you to play a manual bass line within the first two octaves of the lower keyboard.

Simply touch the BASS TO LOWER Touch Button to turn this feature on.

M. C. S.

(Music Chord System™)

Lowrey GL-1 Owner's Guide

MCS

ABOUT THE MUSIC CHORD SYSTEM (MCS)

The Music Chord System (MCS) feature on the GL-1 provides the player with the capability to form easy-play chords for use primarily in conjunction with Rhythm Plus Orchestration and Rhythm & Style ROM Packs.

MCS is a particularly versatile feature because of its unique ability to continuously adjust to a variety of playing styles. Beginning players may use MCS chord for all their left hand playing. Intermediate players who are just beginning to learn how to form their own three and four finger chords may play a combination of easy-play MCS chords "and" their own chord formations. The experienced player may prefer to play all their own chords. The MCS feature will respond with equal accuracy to all these levels of playing proficiency.

The Music Chord System also includes the "memory" feature. When the "RED" MCS ORCH. PLUS Touch Button is active, and a single-finger or multi-finger chord is held down on the lower keyboard, it is not necessary to continue to hold down the keys in order to hear a continuous sound. The last chord played will continue to sound until a new chord is played or the MCS feature is turned off.

The MCS feature is automatically activated when a Rhythm Plus Orchestration or Genius Cartridge Style is engaged.

USING THE MUSIC CHORD SYSTEM

The chart on the next page summarizes the operation of the MCS feature. Each vertical column represents a different chord type. Below the name of each chord type (MAJOR, MINOR, 7TH, AUGMENTED etc.) there is an indication of the minimum number of notes required to form that chord type using the Music Chord System. Here is a comparison of regular chord formation versus the MCS chord formation.

CHORD TYPE	REGULAR (notes required)	MCS (notes required)
MAJOR	3	1
MINOR	3	2
SEVENTH	4	2
MINOR 7TH	4	3
MAJOR 7TH	4	2
DIMINISHED	3	2
AUGMENTED	3	3
SUSPENDED 4TH	3	3
MINOR 7TH FLAT 5	4	4

MCS

MCS CHORD CHART

MAJOR (1 note)	MINOR (2 notes)	7th (2 notes)	DIM (3 notes)	AUG (3 notes)	MIN 7th (3 notes)	MAJ 7th (2 notes)	Sus 4th (3 notes)	MIN 7b5 (4 notes)
C Db D	C/Eb Db/E D/F	C/Bb Db/B D/C	C/Eb/Gb Db/E/G D/F/Ab	C/E/G# Db/F/A D/F#A#	C/Eb/Bb Db/E/B D/F/C	C/B Db/C D/C#	C/F/G Db/Gb/Ab D/G/A	C/Eb/Gb/Bb Db/E/G/B D/F/Ab/C
Eb E F	Eb/Gb E/G F/Ab	Eb/Db E/D F/Eb	Eb/Gb/A E/G/Bb F/Ab/B	Eb/G/B E/G#C F/A/C#	Eb/Gb/Db E/G/D F/Ab/Eb	Eb/D E/D# F/E	Eb/Ab/Bb E/A/B F/Bb/C	Eb/Gb/A/Db E/G/Bb/D F/Ab/B/Eb
F# G Ab	F#/A G/Bb Ab/B	F#/E G/F Ab/Gb	F#/A/C G/Bb/Db Ab/B/D	F#/A#D G/B/D# Ab/C/E	F#/A/E G/Bb/F Ab/B/Gb	F#/F G/F# Ab/G	F#/B/C# G/C/D Ab/Db/Eb	F#/A/C/E G/Bb/Db/F Ab/B/D/Gb
A Bb B	A/C Bb/Db B/D	A/G Bb/Ab B/A	A/C/Eb Bb/Db/E B/D/F	A/C#F Bb/D/F# B/D#G	A/C/G Bb/Db/Ab B/D/A	A/G# Bb/A B/A#	A/D/E Bb/Eb/F B/E/F#	A/C/Eb/G Bb/Db/E/Ab B/D/F/A

The horizontal listings on the MCS chart indicate the specific notes that make up the minimum requirement for chord formation with Music Chord System. Every possible chord formation is listed.

Example: Determine the minimum notes required to produce an E7th chord with MCS.

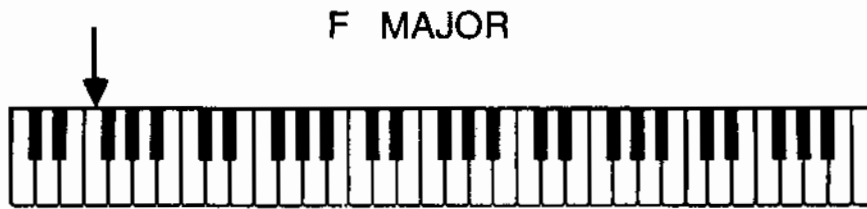
1. Locate E, in the Left most vertical column (under MAJOR).
2. Move horizontally across the chart until you are under the 7th chord type column.

This position in the chart reads E/D. This means that in order to form an E7th chord using MCS, you must play a minimum of 2 notes, those notes are E and D. Use this procedure to determine any minimum MCS chord requirement.

MAJOR: To form any Major chord using MCS, simply touch the key on the lower keyboard that matches the letter name of the Major chord you wish to play. This note is called the "root" of the chord.

MCS

Example: To play an F Major chord using MCS, touch an F key on the lower keyboard.



MINOR: Minor MCS chords can be formed by touching two keys. The first key matches the letter name of the desired chord (the root). To determine the second key, count 3 keys to the right of the first key. Do not include the first key in your account. This interval between the root and the second key is always the same and is appropriately called a Minor third.

Example: To play a C Minor chord using MCS, you must hold down a C note (the root) on the lower keyboard and the note a minor third above C. To determine the note which is a minor third above C, count three keys to the right not including C. This note is Eb:

1. C#
2. D
3. Eb

To form a C minor chord using MCS, press a C key on the lower keyboard and the Eb key immediately to the right of it:



SEVENTH: Seventh chords can also be formed by touching two keys. Like Major and Minor chords, the first key is the root of the chord. To determine the second key, count 2 keys to the left of the first key. Do not include the first key in your account.

Example: To play a D7th (D Seventh) chord using MCS you must hold down a D note on the lower keyboard and the note to the left of D not including D. This note is C:

1. C#
2. C

MCS

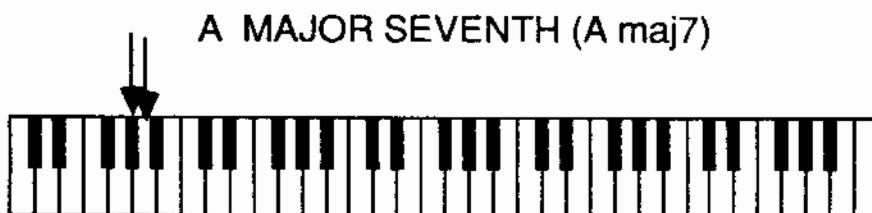
To form a D7 chord using MCS, press a D key and the C key immediately to the left of it.



MAJOR SEVENTH: Major Seventh chords can also be formed by touching two keys. Like Major, Minor and seventh chords, the first key is the root of the chord. To determine the second key, Count 1 key to the left of the first key. Do not include the first key in your count.

Example: To play an Amaj7 (A Major Seventh) chord using MCS, you must hold down an A note on the lower keyboard and the note 1 key to the left of A not including A. This note is G#.

To form an Amaj7 chord using MCS, press an A key on the lower keyboard and the G# key immediately to the left of it:



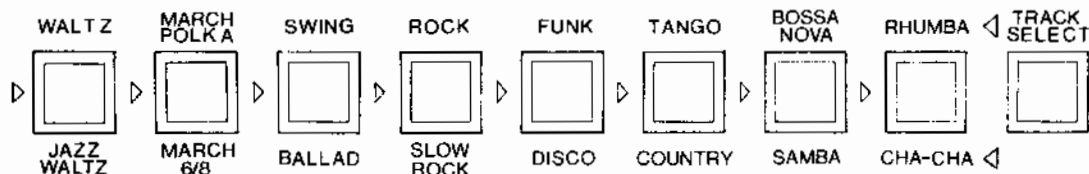
Track IITM
Rhythm Plus
OrchestrationTM

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TRACK II RHYTHM PLUS ORCHESTRATION

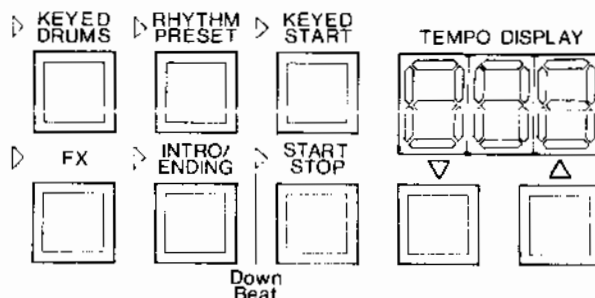
SELECTING A RHYTHM

The TRACK II RHYTHMS are arranged in two rows or "TRACKS". The Upper and Lower tracks share the same Touch Buttons, while the two red LED's to the left of the TRACK SELECT Touch Button shows which row is selected. The TRACK SELECT button will toggle between upper and lower rows each time it is pressed.



Simply press the rhythm Touch Button of your choice (the red LED to its left will light up). Now touch the TRACK SELECT Touch Button.

ACCOMP/RHYTHM FEATURES



KEYED DRUMS

This feature allows you to play drums yourself, in real time, from the left side of the lower keyboard. Printed immediately above the keys are the names of 31 percussion instruments.

To play them, simply press the KEYED DRUMS Touch Button in the ACCOMP/RHYTHM FEATURES section. Now press the desired drum keys on the left hand side of the keyboard.

TRACK II RHYTHM PLUS ORCHESTRATION

You can even use KEYED DRUMS while a preset rhythm is playing; the basic rhythm pattern will play while your playing will be heard on top.

RHYTHM PRESET

Pressing the RHYTHM PRESET Touch Button will give you a complete appropriate registration for the upper hand with the selection of any TRACK II RHYTHM PLUS ORCHESTRATION Rhythm Style.



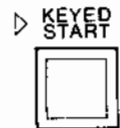
1. Press the RHYTHM PRESET Touch Button, the red LED to the left of the Touch Button will light up.
2. Select a Rhythm Style. EXAMPLE: "SWING".

Each time a Rhythm Style is selected with the RHYTHM PRESET "ON", a different registration will be automatically setup. Press another Rhythm Style Touch Button and watch as the panel LEDs change so that you can see what voices are switched "ON".

You can also change any right hand SOLO or ORCHESTRAL preset voice buttons while RHYTHM PRESET is on and you will hear that new voice. You may also change the MCS ORCHESTRATION green ORCH. or red ORCH. PLUS Touch Buttons as well.

KEYED START

When selected, the rhythm starts automatically as soon as any one-finger or multi-fingered chord is pressed in the left-hand chord section.



START / STOP

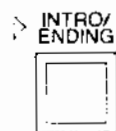
Press to start the rhythm, press again to stop a rhythm. The START / STOP Touch Button will also turn off the Bass and Left Preset voices sound when not using TRACK II RHYTHM PLUS ORCHESTRATION.



TRACK II RHYTHM PLUS ORCHESTRATION

INTRO / ENDING

Pressing this Touch Button will add Professionally scored and arranged introductions and /or endings to enhance a selected RHYTHM PLUS ORCHESTRATION STYLE.



To add a professionally scored introduction:

1. Select a TRACK II RHYTHM PLUS ORCHESTRATION setting.
Ex: SWING
2. Touch the INTRO/ENDING Touch Button.
3. Press the key or chord on the lower keyboard which matches the key of the song you are playing.
Ex: C

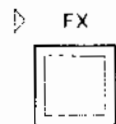
You will hear a professionally scored introduction. When the introduction is finished, the GL will automatically play the selected Style. You may use this procedure to set up an INTRO for any Style you select.

To add a professionally scored ending:

1. While your selected Style is playing hold down a single key or chord in the left hand, press the INTRO/ENDING Touch Button.
2. Lift your left hand from the keyboard. The Ending will begin on the next measure.

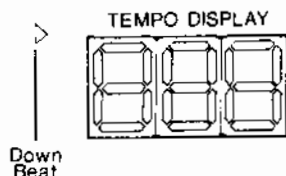
FX

Pressing the FX Touch Button while a Rhythm Style is playing will produce appropriate musical breaks and fill-ins. Use this at your own discretion and according to your own musical tastes. A foot switch, located on the right side of the expression pedal, can be used to activate the FX breaks and fill-ins as well.



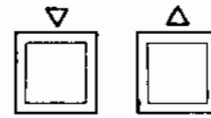
TEMPO DISPLAY AND TEMP UP / DOWN

The tempo (or speed) of the rhythm is shown in the TEMPO DISPLAY window, which is displayed in 'beats per minute' (40 - 240). In addition, a 'flashing dot' in the display acts as a metronome showing the speed, while the red LED to the left of the START/STOP Touch Button flashes on the 'Downbeat'.



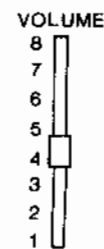
TRACK II RHYTHM PLUS ORCHESTRATION

Below this display there are two Touch Buttons, one marked with an UP ARROW and the other with a DOWN ARROW. To increase the tempo (speed), press the UP ARROW Touch Button. To decrease the tempo press the DOWN ARROW Touch Button. Holding either Touch Button will move through the numbers quickly.



ACCOMP/RHYTHM — SLIDER VOLUME CONTROL

The Volume of the rhythm can be controlled by the slider volume control located to the left of the ACCOMP/RHYTHM FEATURES section. Moving the slider control “up” will increase the volume, moving the slider control “down” will lower the volume of the rhythm.



ORCHESTRATION FEATURES: MCS (Music Chord System)

MCS ORCH.

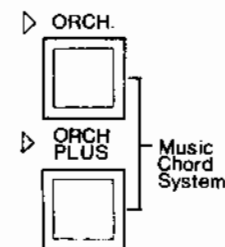
Pressing the “green” ORCH. Touch Button gives you a professionally styled rhythmic chord accompaniment with programmed bass.

EXAMPLE: “SWING” you hear a rhythm chord piano.

MCS ORCH. PLUS

Pressing the “red” ORCH. Plus Touch Button gives you an exciting, complete and fully orchestrated “RHYTHM BAND” accompaniment and bass pattern in the style of the selected rhythm.

EXAMPLE: “SWING” you hear a styled piano and brass chord section.



TRACK II RHYTHM PLUS ORCHESTRATION

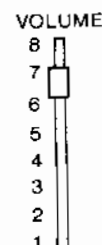
SWING BASS

This Touch Button is in the "on" state whenever M.C.S. ORCH. or ORCH. PLUS is activated. Touching SWING BASS Touch Button will disable the auto SWING BASS so that you may play the bass pedals manually while allowing ORCHESTRATION PLUS to continue to play when changing chords.



ORCHESTRATION — SLIDER VOLUME CONTROL

The volume of the ORCHESTRATION section is controlled by the volume slider control to the left of the ORCH. and ORCH. PLUS Touch Buttons. Move the slider control away from you (up) to increase the volume. Moving the slider control towards you (down) will lower the volume.



GL MEMORY PACKS

GL MEMORY PACKS are pre-programmed with 8 new RHYTHM PLUS ORCHESTRATION Rhythm Styles and are supplied with an overlay for the blue TRACK II RHYTHM section Touch Buttons, containing the names of the new Rhythm Styles.

Please Note the new Rhythm Styles may not conform to the same time signature as the original rhythms. A 4/4 type rhythm may appear in place of a 3/4 rhythm, and in this case the down-beat indicator should be ignored, as it may still register 3/4 time.



LOWREY GENIE GL-1

Loading a Pre-programmed Rhythm Style set from a GL MEMORY PACK.

Step 1. Insert the MEMORY PACK into the MEMORY PACK port. This is located on the left side of the keyboard.

Step 2. Touch the PACK Touch Button.

Step 3. Place the overlay over the Track II Rhythm Touch Buttons, and continue as usual. Make sure that the TRACK SELECT Touch Button is in the "upper" track mode.

Upper Keyboard A. O. C. Transpose

Lowrey GL-1 Owner's Guide

UPPER KEYBOARD, A.O.C., TRANSPOSE

ORCHESTRAL PRESETS

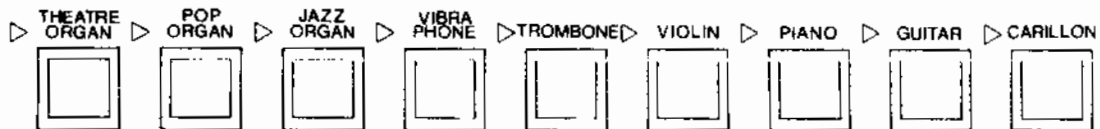
Upper Keyboard — TRACK SELECT

The TRACK SELECT Touch Button, located just above the Upper keyboard ORCHESTRAL PRESET Voices, is in the "ON" mode when the GL-1 is powered on. Touching this button will turn "OFF" the red LED allowing the use of the lower set (TRACK) of ORCHESTRAL PRESET voices.



Upper Track Orchestral Preset Voices

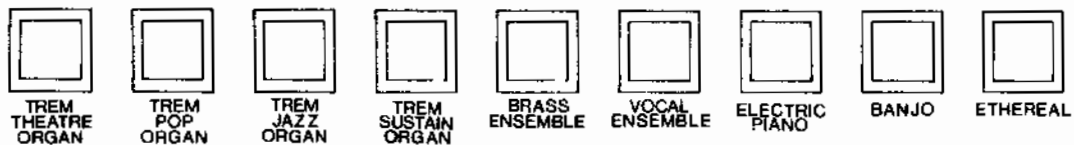
These 9 ORCHESTRAL PRESET Voices are for the right hand melody portion which is played on the upper keyboard. These voices can be played either one note at a time or up to seven notes at a time, located in the center of the control panel.



To select a voice from the top row simply press the desired Touch Button. The red LED to the left of the selected Touch Button lights up.

Lower Track — Orchestral Preset Voices

To activate the LOWER TRACK of ORCHESTRAL PRESET Voices touch the TRACK SELECT Touch Button. This will turn off the red LED to the left of the Touch Button. The lower set of ORCHESTRAL PRESET Voices is now in effect.



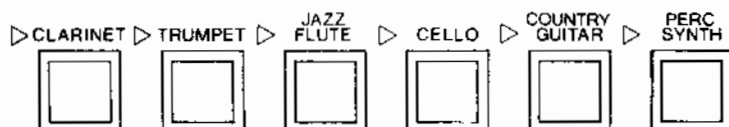
To select a LOWER TRACK voice simply touch the required Touch Button. The red LED to the left of the Touch Button which is selected will light up.

UPPER KEYBOARD, A. O. C., TRANSPOSE

SOLO PRESETS

Located immediately above the ORCHESTRAL PRESET Voices are the SOLO PRESET VOICES, which are the preset voices used to highlight your melody playing. As these are SOLO PRESET Voices, they are only playable one note at a time. You can, however, mix these voices with the ORCHESTRAL PRESET Voices. You can play chords with the right hand and the SOLO PRESET Voice will always play the top note that is being played.

To select a SOLO PRESET Voice, simply press the required Touch Button and the red LED will light up. To cancel a SOLO PRESET Voice touch the selected Touch Button again.

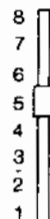


SOLO PORTAMENTO — SLIDER CONTROL

To the left of the SOLO PRESET Voices is the PORTAMENTO Slider Control. Portamento means to slide smoothly from one note to another.

Select the SOLO PRESET Voice TRUMPET. Now move the PORTAMENTO Slider Control away from you (up to 8). Now, while holding a key down on the upper keyboard press another key to the right, this is playing "legato". The pitch of the note will slide smoothly from the first note to the second. The more PORTAMENTO applied, the longer it will take to get from one note to the other. Most SOLO PRESET Voices benefit from a small amount of PORTAMENTO.

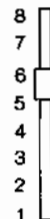
PORTAMENTO



SOLO — SLIDER VOLUME CONTROL

Move this control away from you (up) to increase the volume of the SOLO PRESET section. Sliding this control towards you (down) will lower the volume compared with the rest of the organ.

VOLUME

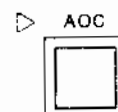


UPPER KEYBOARD, A. O. C., TRANSPOSE

A. O. C. (Automatic Organ Computer)

A.O.C. will add full chords to your right hand single finger melody when playing a left hand chord. Since SOLO PRESET Voices only play one note at a time (MONO) this is particularly effective. When a SOLO PRESET Voice is added the SOLO PRESET Voice plays only the melody, while the ORCHESTRAL PRESET Voice fills in the chord.

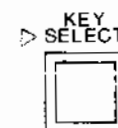
To use A.O.C. simply touch the A.O.C. Touch Button, play a chord on the left side of the keyboard and a single note melody with the right.



TRANSPOSE (KEY SELECT)

The pitch of the GL-1 can be transposed up or down so that a song played, for example, C major could sound in, say, G major.

To transpose, hold the KEY on the lower keyboard corresponding to the number of steps up or down from 'C' that you want to transpose. Now, while holding that key down press the KEY SELECT Touch Button found on the right of the control panel. The red LED will light up. Touching the KEY SELECT Touch Button again will return the GL to the Original pitch.



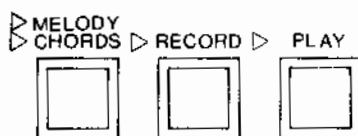
MACH SEQUENCER

Lowrey GL-1 Owner's Guide

MACH SEQUENCER

MACH SEQUENCER

To the right of the lower keyboard are the MACH SEQUENCER controls. The MACH SEQUENCER feature enables you to record either a sequence of chords to play along with, or a complete song with chords and solo melody.

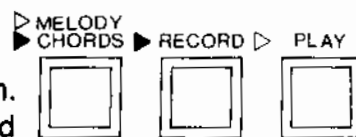


To program the MACH SEQUENCER follow these steps:

A. Record Chords

Step 1. Select a rhythm and touch the RHYTHM PRESET Touch Button.

Step 2. Touch the MACH SEQUENCER Record Touch Button. (MACH SEQUENCER 'Chords' red LED lights up and AUTO START in the ACCOMP / RHYTHM section).

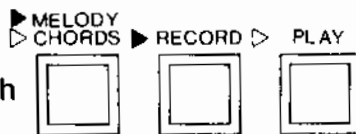


Step 3. Play the first chord and the rhythm will start. Continue playing the chord sequence until finished, including FX fills, Tempo changes, rhythm changes etc. Press either the INTRO / ENDING or AUTO STOP Touch Button to finish. The red MACH SEQUENCER Record LED goes out.

B. Record Melody

Step 1. Touch the MACH SEQUENCER Record Touch Button the red LED lights up.

Step 2. Touch the MACH SEQUENCER Chord/Melody Touch Button so that the red 'Melody' LED lights up.

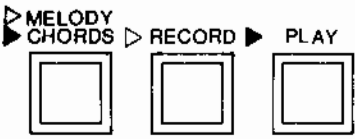
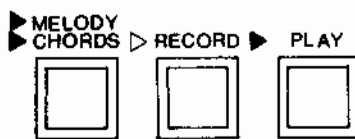


Step 3. Select a SOLO PRESET voice. (SOLO PRESETS ONLY)

Step 4. Touch START / STOP Touch Button or any key on the lower keyboard to start the chord sequence playing. Now on the upper keyboard play your melody. You may make SOLO PRESET voice changes. The MACH SEQUENCER will stop auto-matically when it reaches the end of the sequence.

MACH SEQUENCER

MACH SEQUENCER PLAYBACK

- Step 1. Touch the MACH SEQUENCER "PLAY" Touch Button and the CHORD / MELODY Touch Button. Both the "PLAY" and the "CHORDS" red LEDs will light up. 
- Step 2. Touch the CHORDS / MELODY Touch Button so that BOTH red LEDs light up. This is so that both the CHORDS and MELODY will playback. 
- Step 3. Now touch the START / STOP Touch Button, located in the ACCOMP / RHYTHM section to start playback. After the playback has completed it will stop automatically and the red LEDs will turn off.

To hear your recorded song simply repeat the 3 steps above.

The next "NEW" song that is recorded will automatically replace the current song in MACH memory so there is no need to "CLEAR" the MACH SEQUENCER memory.

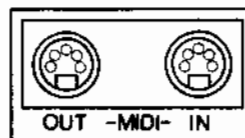
Reference

Lowrey GL-1 Owner's Guide

REFERENCE

MIDI (Musical Instrument Digital Interface)

Your Lowrey GL-1 organ is equipped with MIDI In and MIDI OUT, which means it can communicate with other musical instruments equipped with MIDI. This means that you could play, for example, a MIDI synthesizer from your organ or vice versa.



The MIDI IN and MIDI OUT ports are located underneath the left side of the keyboard. To play another MIDI instrument from your GL-1 you need to connect a MIDI cable to the MIDI OUT port on the GL and to the MIDI IN portion the MIDI instrument. To play your organ from another MIDI instrument, you need to connect a MIDI cable to the MIDI in port of your GL and to the MIDI OUT port of the MIDI instrument. It should be noted that in a "CLOSED LOOP" if the GL-1 is first to receive a MIDI signal, the GL-1 will become and remain the "receiver" until it is turned "OFF" and then back "ON".

MIDI Channels

Upper (Melody) = Channel 1

Lower (Chords) = Channel 2

Pedals (Bass) = Channel 3

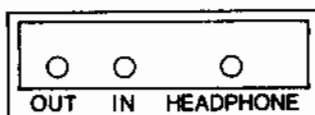
OTHER CONNECTIONS

Your GL-1 is equipped with the following connections located on a panel under the right side of the keyboard.

Headphone — Cuts out the sound of the GL-1 speakers when headphones are in use.

AUX OUT — Outputs the GL-1 sound to an external amplifier or to a tape recorder.

AUX IN — Enables your GL-1 to be used as an amplifier for another instrument, for example a synthesizer.



REFERENCE

SPECIFICATIONS

- A. (2) 44 note keyboards
13 Pedals
- B. Keyboard Voices
 - 1. Upper: 18 Orchestral,
6 Solo w/Slider Volume Control
 - 2. Lower: 4 Voices w/Slider Volume Control
 - 3. Bass: 2 Voices w/Slider Volume Control
- C. Track II Rhythm Plus Orchestration
 - 16 Rhythm Styles w/Slider Volume Control
 - M.C.S. Orch.
 - M.C.S. Orch. Plus
 - Swing Bass
- D. One Finger Harmony
 - A.O.C.
- E. Jacks
 - 1. Headphone
 - 2. AUX IN / AUX OUT
 - 3. MIDI IN / MIDI OUT
- F. Amplifiers and Speakers
 - 1. (1) 25 Watt Amplifier
 - 2. (2) 8 inch Wide Range Speakers
- G. Dimensions
 - W: 44"
 - D: 16 3/8"
 - H: 33 1/4"
 - 106 Lbs.

REFERENCE

INSTRUMENT CARE

CABINET AND BENCH

As with any piece of furniture, direct sunlight can damage the finish of your instrument. Use a soft dry cloth for dusting. To remove fingerprints or dulling film, use a soft cloth slightly dampened with water and a little mild soap. Immediately wipe dry with a soft dry cloth.

KEYS AND TOUCH BUTTONS

To clean keys and tabs, use a clean soft cloth dampened in water. Do not use any solvents, thinners or dryers such as alcohol, gasoline, lighter fluid, carbon tetrachloride, etc. These solutions may attack the lettering and/or finish on the tabs, touch buttons and keys.

MOVING YOUR INSTRUMENT

It is not necessary to bolt or fasten any internal parts of the instrument when moving. Make sure that all the screws which hold the back in position are securely fastened. Careful consultation with your mover will assure you of a satisfactory moving job.

TROUBLESHOOTING

IF YOUR INSTRUMENT FAILS TO OPERATE:

1. Be sure your POWER on/off switch is on and the MASTER VOLUME is set to at least 4.
2. Be sure that at least one voice is selected on the keyboard.
3. Make sure that the Expression Pedal is pressed forward to increase volume.
4. Make sure headphones are not plugged in the headphone jack.
5. Make certain that the power cord is plugged in and that the "AC" wall receptacle is not faulty.

In the event that the instrument is still inoperable, your Lowrey technician or dealer is best qualified to provide you with competent service.

REFERENCE

Lowrey maintains a policy of continuous improvement and upgrading of its instruments and therefore reserves the right to change specifications without notice. Although every attempt has been made to insure the accuracy of the descriptive contents of this guide, total accuracy cannot be guaranteed. Should the player require further assistance, inquiries should be made to:

1. YOUR AUTHORIZED LOWREY DEALER

2. THE LOWREY ORGAN COMPANY

825 East 26th Street
La Grange Park, IL 60525

Technical materials are available and can be obtained by mailing a request to the address listed below:

LOWREY SERVICE DEPARTMENT

825 East 26th Street
La Grange Park, IL 69525

CAUTION: Service instructions are for use by qualified personnel only. To Avoid risk of electric shock, the user should not perform any servicing or changing of instrument specifications other than those listed in this guide unless qualified to do so. All other servicing should be referred to qualified service personnel.

LOWREY
ORGAN COMPANY

LIMITED WARRANTY

TWO YEAR LIMITED WARRANTY

LOWREY TRADITIONAL HOME KEYBOARDS and DIGITAL ELECTRONIC PIANOS

FIRST YEAR: Lowrey will provide the original consumer purchaser, through Authorized dealers and registered technicians, component parts and authorized labor expense (see schedule) for installation to repair their Lowrey instrument if required due to component or material failure or workmanship faults.

SECOND YEAR: Lowrey will provide electronic component parts required for repair, through Authorized dealers or technicians exclusive of labor cost.

The warranty is limited to instruments purchased from and will be administered through Authorized dealers in the United States and Canada and is non-transferable. Consumers are instructed to call a Lowrey dealer for service.

Genius Cartridges and Rom Pacs: ONE YEAR LIMITED WARRANTY

These items will be replaced in the event of failure upon postage paid return to Lowrey Service Department. A replacement cartridge warranty terminates one year from original purchase.

EXCLUSIONS: The warranty does not extend to accessories connected to or damages resulting from such connections; Any instrument which the serial identification numbers have been altered, removed or tampered with; Damage caused by abuse, neglect or improper operation; Repair expense required due to unauthorized alterations, modifications or tampering.

LIMITATIONS: Lowrey will reimburse labor expense on-location up to maximum rate and time of \$45.00 per hour for 90 minute limit. Additional repair labor expense must be approved by Lowrey Service Department. Additional expenses; service call, trip charges, travel charges, etc. will not be reimbursed by Lowrey.

The warranty allows a maximum of two visits for an intermittent service problem. Technicians must call Lowrey before proceeding. Consumers are required to supply accurate details of fault.

Lowrey shall not be liable for and excludes incidental or consequential damages which may be incurred. Implied warranties are limited to the expressed warranty. Some states do not allow these limitations, therefore you may have other legal rights which vary from state to state.

Model

Serial Number

Purchase Date

The **LOWREY** Organ Company

819513

PRINTED IN U.S.A.

993-039210

Registration Guide

LOWREY[®]

GENIE GL-I

Supplement to All Time Favorites songbook

Lowrey Genie GL-1 Registration Guide

SONG	UPPER	LOWER	BASS
Alley Cat	Piano		
Hey Mr. Banjo	Banjo		
The Hawaiian Wedding Song	Solo Country Guitar		
Lara's Theme	Piano or Trem. Theater Organ		
Twilight Time	Trem. Sustain Organ		
Any Time	Vocal Ensemble & Solo Country Guitar		
I'm Getting Sentimental Over You	Solo Trumpet or Trombone		
Mood Indigo	Guitar		
Anniversary Song	Trem. Pop Organ		
Melody of Love	RHYTHM PRESET		
The Third Man Theme	Pop Organ		
Under Paris Skies	Solo Violin or Flute		
The Shadow of Your Smile	RHYTHM PRESET		
Star Dust	Piano		

Lowrey Genie GL-1 Registration Guide

ORCHESTRATION	RHYTHM	TEMPO	EFFECTS
Green Orch.	Swing	120	A.O.C.
Green Orch.	Country	190	
Green Orch.	Country	100	Portamento (5)
Red Orch. Plus	Waltz	120	Intro/Ending
Red Orch. Plus	Ballad	90	Intro/Ending
Red Orch. Plus	Country	100	Ending
Red Orch. Plus	Ballad	90	Intro/Ending
Red Orch. Plus	Ballad	85	Intro/Ending
Green Orch.	Waltz	110	A.O.C.
	Waltz		Intro/Ending
Red Orch. Plus	Cha Cha	130	Ending
Red Orch. Plus	Jazz Waltz	140	Ending
	Bossa Nova		Ending
Red Orch. Plus	Ballad	70	

Lowrey Genie GL-1 Registration Guide

SONG	UPPER	LOWER	BASS
Yesterday	RHYTHM PRESET		
On the Sunny - side of the Street	Solo Country Guitar		
Whistle While You Work	Jazz Flute		
Blue Velvet	Jazz Flute or Elec. Piano		
King of the Road	RHYTHM PRESET		
The Girl From Ipanema	RHYTHM PRESET		
Sugar Blues	Solo Trumpet		
Honey	Solo Country Guitar		
How Great Tho Art	Theatre Organ	Organ	Bass
If I Had You	Jazz Organ		
The Church's One Foundation	Pop Organ	String	Bass
Shadow Dancing	RHYTHM PRESET		
Harper Valley P.T.A.	Solo Perc. Synth.		
Liebestraum	RHYTHM PRESET		

Lowrey Genie GL Registration Guide

ORCHESTRATION	RHYTHM	TEMPO	EFFECTS
	Slow Rock		
Green Orch.	Country	155	
Green Orch.	March/Polka	105	
Red Orch. Plus	Slow Rock	80	Ending
	Swing		Intro/Ending
	Bossa Nova		Intro/Ending
Green Orch.	Swing	120	
Green Orch.	Country	100	
Green Orch. or Red Orch. Plus	NONE		
Red Orch. Plus	Ballad	100	
Green Orch. or Red Orch. Plus	NONE		
	Rock	135	
Red Orch. Plus	Rock	135	
	Waltz		Ending

Lowrey Genie GL-1 Registration Guide

SONG	UPPER	LOWER	BASS
He's Got the Whole World in His Hands	Trem. Jazz Organ Or Jazz Organ		
Woodchoppers' Ball	Jazz Organ		
Love Letters In the Sand	RHYTHM PRESET		
Five Foot Two Eyes of Blue	RHYTHM PRESET		
Hello Dolly	Trombone or Trem. Pop Organ		
Release Me	RHYTHM PRESET		
Bluesette	RHYTHM PRESET		
Around the World	Trem. Pop Organ		
Hernando's Hideaway	RHYTHM PRESET		
Brazil	RHYTHM PRESET		
Our Day Will Come	RHYTHM PRESET		
Green Eyes	RHYTHM PRESET		
Cherry Pink	Vibraphone & Solo Jazz Flute		
Patricia, It's Patricia	Jazz Organ or Trem. Jazz Organ		

Lowrey Genie GL-1 Registration Guide

ORCHESTRATION	RHYTHM	TEMPO	EFFECTS
Green Orch.	Country	120	
Green Orch.	Country	120	
	Ballad		
	Disco		Ending
Green Orch.	March/Polka	100	
	Country		Intro/Ending
	Jazz Waltz		Intro/Ending
Green Orch.	Jazz Waltz	137	
	Tango	105	
	Samba	100	
	Rhumba		Ending
	Cha Cha		Ending
Red Orch. Plus	Rhumba	110	A.O.C.
	Samba	100	

Lowrey Genie GL-1 Registration Guide

SONG	UPPER	LOWER	BASS
How Do You Mend A Broken Heart	RHYTHM PRESET		
Seventy Six Trombones	RHYTHM PRESET		
Just The Way You Are	Vocal Ensemble & Jazz Flute		
Pennsylvania Polka	RHYTHM PRESET		
Grandfather's Clock	Theatre Organ	Brass	Bass
Yakety Sax	Solo Country Guitar		
Moonlight Serenade	Solo Trumpet & Trombone		
Diane	Trem. Sustain Organ		
Peg O' My Heart	Trombone		

CUSTOM

Lowrey Genie GL-1 Registration Guide

ORCHESTRATION	RHYTHM	TEMPO	EFFECTS
	Slow Rock		Ending
	March 6/8		Ending
Green Orch.	Slow Rock	75	Ending
	March/Polka		Intro/Ending
Red Orch. Plus	NONE		
Green Orch.	Country	205	Intro/Ending
Green Orch.	Swing	100	Intro/Ending
Red Orch. Plus	Jazz Waltz	150	Ending
Red Orch. Plus	Swing	90	Ending

REGISTRATION
