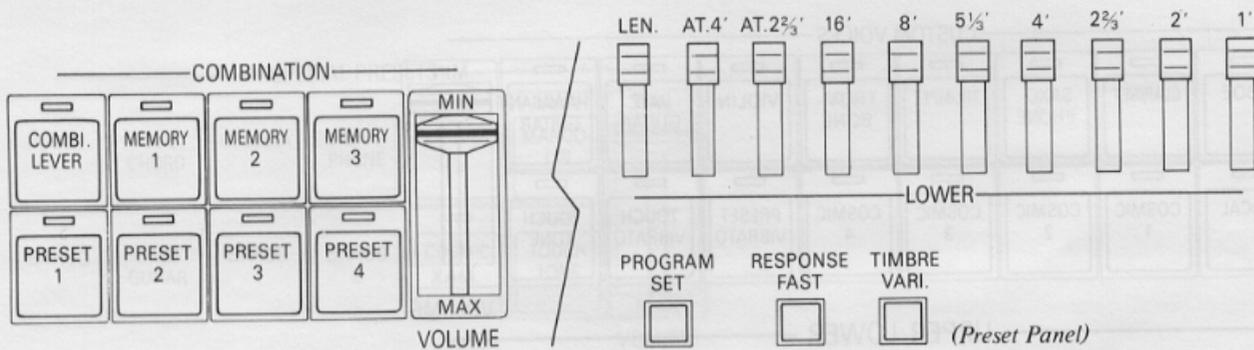


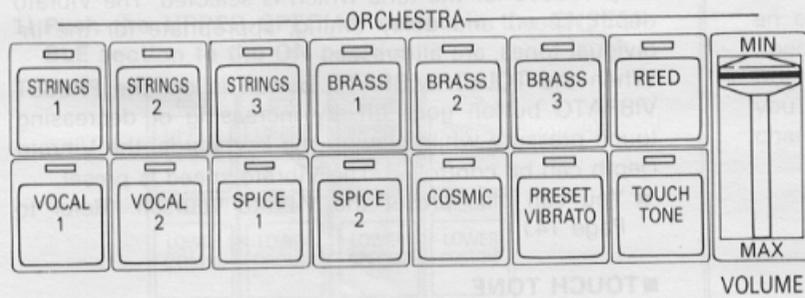
# Tone Groups for the Lower Keyboard



## Combination

With this tone group an organ sound can be obtained using the lower keyboard. The operation of the 8 buttons on the panel and the PRESET tones is the same as the procedure used for the Upper Combination section. The tone can be created by using the LOWER COMBI-

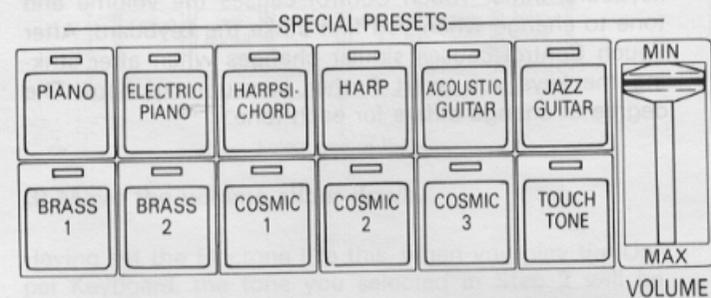
NATION button in the ENSEMBLE section. The operation for storing a tone in memory, and using the RESPONSE FAST and TIMBRE VARIATION functions is the same as the procedure for the Upper Combination section. (Refer to Pages 4, 5.)



## Orchestra

The method of operation and other aspects are similar to those for the Upper Orchestra section. You can create the tone by using the LOWER ORCHESTRA button in the ENSEMBLE section. It has the same number

of tones as the Upper Orchestra section, although the tone colors are slightly different. The PRESET VIBRATO and TOUCH TONE function are just like those in the Upper Orchestra section. (Refer to Page 6.)



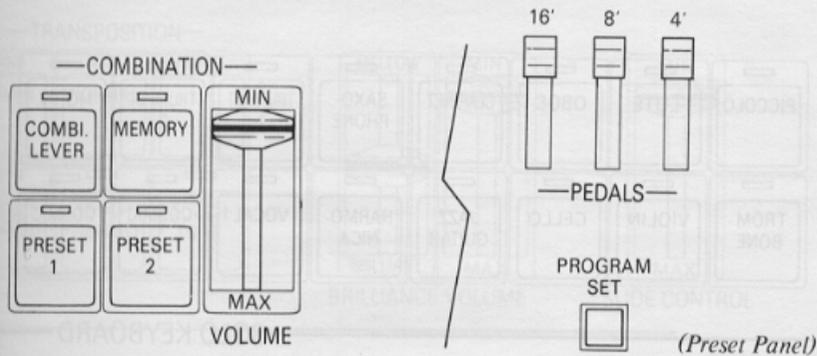
## Special Presets

The method of operation and other aspects are similar to those in the Upper Special Presets section. You can create the tone by using the LOWER SPECIAL button in the ENSEMBLE section. The tone colors are slightly different from those in the Upper Special Presets section, however, the TOUCH TONE functions in a similar way. (Refer to Page 7.)

## Custom Voices

When the LOWER CUSTOM button in the ENSEMBLE section is on, Custom Voices can be played on the lower keyboard. When the lower keyboard is being used, Custom Voices cannot be played on the upper keyboard. (Refer to Page 8.)

# Tone Groups for the Pedals

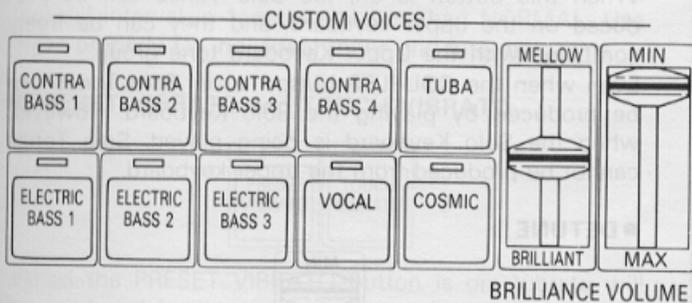


## Combination

The bass sounds of an organ can be obtained with this tone group. It is different from the Combination section of the upper and lower keyboards. Here you do not have to set the button in the ENSEMBLE section. Sound can be produced merely by operating the VOLUME slider and the tone select buttons. The 4 buttons on the panel function just like those in the Upper Combination

section, and the operation for storing a tone in memory is also the same. (Refer to Pages 4, 5.)

You can also combine the tone group of this section with the Pedal Custom Voices. However, if you want to use the Combination tone by itself, be sure to move the VOLUME slider for the Pedal Custom Voices to the off position.



## Custom Voices

The tones of bass instruments, such as the contra and electric bass, can be obtained using this tone group. Sound can be produced by selecting the required tone button among the 10 buttons and moving the VOLUME Slider down. You can also combine this group with the Pedal Combination. However, when you want to use the Custom Voices independently, make sure the Pedal Combination VOLUME slider is off.

### ■ BRILLIANCE

This slider controls the tone-color.

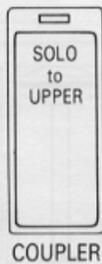
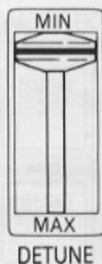
When the slider is in the central position the tone is normal. As the slider is moved upwards, the tone becomes soft, and as it is moved downwards the tone becomes more brilliant.



SLIDE CONTROL

When moving from one sound to another, you can connect the musical interval between them and create a sliding effect by using this function. When the SLIDE CONTROL is in the uppermost position, it is in the uppermost position. As you move it downwards, the effect becomes more exaggerated. When using this effect, play legato. This sliding effect is sometimes available for a Trumpet.

# Tones and Effects for the Solo Keyboard



SOLO KEYBOARD

A higher timbre and more vibrant tones can be obtained using the Solo Keyboard. Through creative use of the various effects and controls, you can produce expressive music replete with variations. Moreover, by moving to the upper keyboard, it is possible to create combinations with other tone groups.

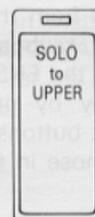
## Solo Tones

The Solo Keyboard is provided with 16 different tones. By selecting one of these and moving the VOLUME slider down, you can produce sound from the Solo Keyboard. Now listen to each of the tones and compare them.

★ With the Solo Tones only one note at a time can be produced. When you simultaneously press a number of keys on the keyboard, the key which was pressed last will be heard.

When you use the COUPLER and move to the upper keyboard, if you create a combination with another tone group, the highest pitch will be heard.

### COUPLER

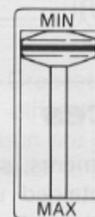


COUPLER

When this button is on, the Solo Tones can be produced on the upper keyboard, and they can be freely combined with the Upper Keyboard tone group.

Even when the COUPLER button is on, Solo Tones can be produced by playing the Solo Keyboard. However, when the Solo Keyboard is being played, Solo Tones cannot be produced from the upper keyboard.

### DETUNE



DETUNE

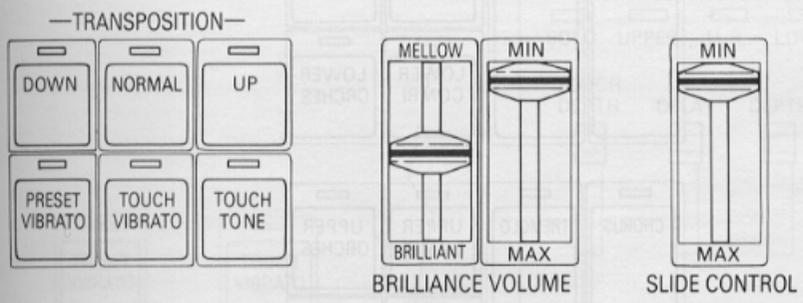
The music intervals for the Solo Tones can be subtly controlled with the slider. The DETUNE can be used to create your favorite effects. For example, a three-dimensional effect can be created by setting the music intervals for the Solo Tones slightly higher than those for the other keyboard tones. When the slider is moved to the uppermost position, the music interval is normal. As it is moved downwards, the music interval increases. The effect is similar to an instrument slightly out of tune.

## Special Presets

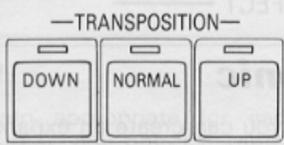
The method of operation and controls for the Special Presets are the same as those in the Upper Keyboard section. The Special Presets are created by using the TOUCH TONE buttons in the ENSEMBLE section. The tones are different from those in the Upper Keyboard section, however, the TOUCH TONE buttons are the same. (Refer to Page 7)

## Custom Voices

When the CUSTOM VOICES button in the ENSEMBLE section is on, Custom Voices can be played on the upper keyboard. When the lower keyboard is being played, Custom Voices cannot be played on the upper keyboard.



■ TRANSPOSITION



By using these buttons, you can change the musical intervals for the Solo Tones in octave units. When the DOWN button is on, the musical interval is 1 octave lower than NORMAL. When the UP button is on, the musical interval is 1 octave higher than NORMAL. Use these properly for individual tones and interpretations.

■ PRESET VIBRATO and TOUCH VIBRATO



When the PRESET VIBRATO button is on, Vibrato will be produced for the tone which is selected. The Vibrato depth, speed and delay timing, appropriate for the individual tones, are all preset.

When the TOUCH VIBRATO button is on, the Preset Vibrato goes off. By increasing or decreasing touch pressure while playing the keyboards, the Vibrato depth can be controlled. The Vibrato speed is preset.

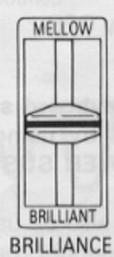
★ You can also preset both Vibratos yourself. (Refer to Page 14.)

■ TOUCH TONE



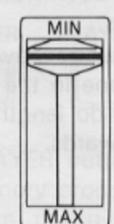
When this button is on, the volume and tone can be subtly controlled by the pressure of your touch on the keyboard. Both Initial Touch Control and After Touch Control can be used with the Solo Keyboard. (Refer to Pages 6, 8.) The degree of change differs for each tone.

■ BRILLIANCE



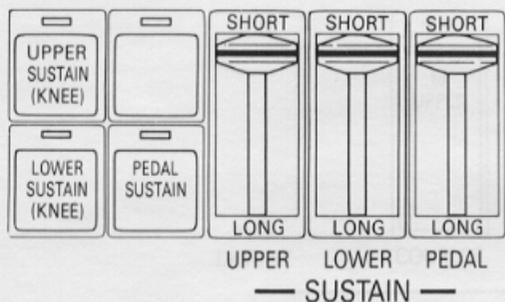
This slider controls the tone-color. When the slider is in the central position, the tone is normal. As the slider is moved upwards, the tone becomes soft. As it is moved downwards, the tone becomes more brilliant.

■ SLIDE CONTROL



When moving from one sound to another, you can connect the musical interval between them and create a sliding effect by using this function. When the SLIDE CONTROL is in the uppermost position, it is off. As you move it downwards, the slide effect becomes more exaggerated. When using this effect, play legato. This sliding effect is sometimes suitable for a Trombone.

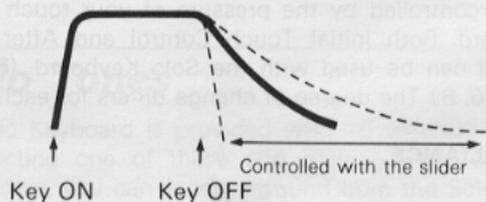
# Effects and Controls



## Sustain

With this effect there is a natural diminuendo after your finger leaves the keyboard. You can use this effect for each of the keyboards by operating the 3 buttons and 3 sliders.

(Sustain button for the Combination tones.)



- 1) Determine which keyboard sound with which you will use this effect by using the 3 buttons: UPPER SUSTAIN, LOWER SUSTAIN or PEDAL SUSTAIN.

These 3 buttons can also be used simultaneously.

- ★ The sustain effect cannot be used for the tones obtained with the Upper/Lower Custom Voices.

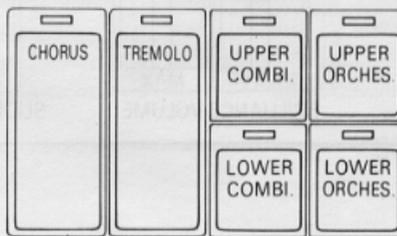
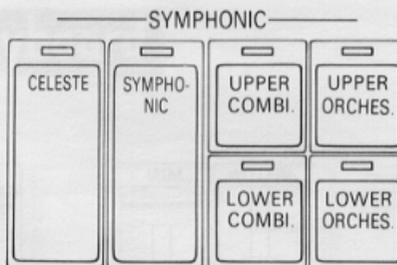
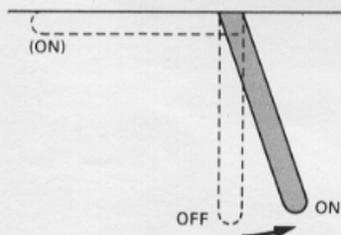
- 2) Control the diminuendo for each of the keyboards and the pedals by using the 3 sliders: UPPER, LOWER, or PEDAL.

When the slider is in the uppermost position, it is off. As you move it downwards, the length of the diminuendo increases.

- ★ For tones which already have a long diminuendo, such as the HARP tone in the Lower Special Presets section, the diminuendo length can be decreased by moving the slider upwards.

### ■ Knee Lever Control

By using the Knee Lever you can switch the Upper Sustain and Lower Sustain on or off. First, push either or both of the Upper Sustain and the Lower Sustain buttons to the ON position, control the diminuendo by using the sliders, and then pull the Knee Lever down vertically. When you arrive at a point in a musical performance where you want to create the sustain effect, press the Knee Lever to the right. The sustain effect will only be produced during the time you are pressing the lever.



TREMOLO EFFECT

## Symphonic

With this effect you can create an expansive sound as if a number of instruments were playing as an ensemble.

- 1) Push either the SYMPHONIC or CELESTE button to the ON position.

An effect more sedate than the one achieved using the SYMPHONIC button, can be obtained with the CELESTE button, as well as a majestic sound.

- 2) Select which tone group with which you will use this effect by using the 4 buttons.

You can use both or of either the Combination and Orchestra tone groups for the upper or lower keyboards.

## Tremolo

With this effect there is a rapid repetition of a single tone creating a rich breadth of sound.

- 1) Push either the TREMOLO or CHORUS button to the ON position.

A gentler repetition can be obtained by using the CHORUS button.

- 2) Select which tone group with which you will use this effect by using the 4 buttons.

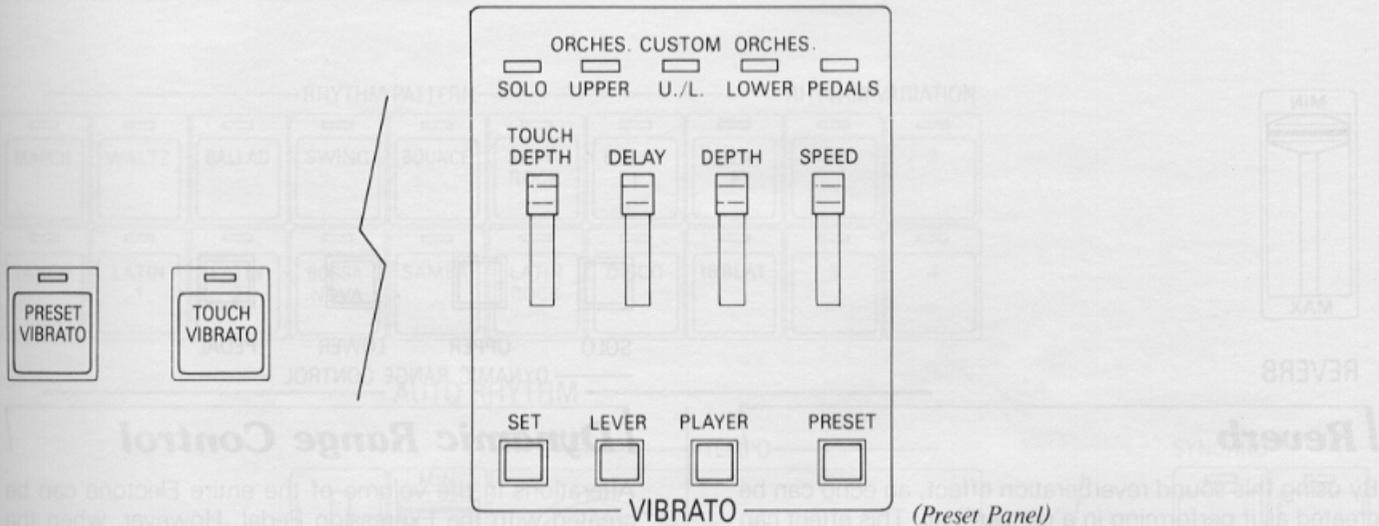
### ■ TREMOLO SPEED



TREMOLO SPEED.

When the TREMOLO buttons are on, the speed of the repetition can be controlled with this knob.

- ★ It is not possible to create both a Symphonic and Tremolo effect for the same tone group. Try using the Symphonic effect for the Orchestra tone group and the Tremolo for the Combination tone group.



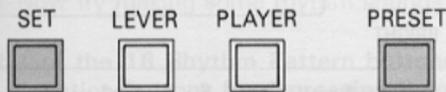
## Vibrato

A preset Vibrato appropriate for each tone is produced when either the PRESET VIBRATO or TOUCH VIBRATO buttons on the panel and the PRESET button on the preset panel are on. (Refer to Pages, 6, 8, 12.)

If you set the PLAYER button on instead of using the PRESET button, the Vibrato which was stored in memory using the levers on the preset panel can be obtained.

### Memory operating of PLAYER Vibrato

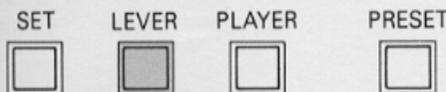
1) Press the PRESET button while pressing the SET button.



If you do this operation before storing Vibrato into memory, it will not be necessary to reset each of the PLAYER and PRESET buttons for the tones. In other words, even when you want to change from a tone whose vibrato is stored in memory to a tone whose vibrato is preset, you can obtain either of them just by leaving the PLAYER button on.

2) Push either the TOUCH VIBRATO button or the PRESET VIBRATO button for the tone group whose Vibrato you want stored in memory to the ON position.

3) Push the LEVER button to the ON position.



Subsequently, the lamp will flash which indicates that the vibrato has been stored in the memory.

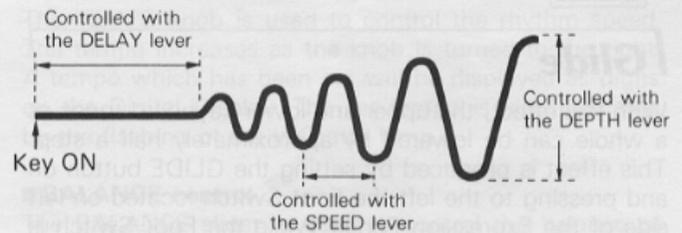
4) Press the button for the tone whose vibrato you want stored in memory.

Subsequently, the indicator for the tone group you selected will light up.

★ The tone groups whose vibrato can be stored in memory are the Solo Tones, Upper and Lower Orchestra, Upper/Lower Custom Voices, and the Pedal Custom Voices. Step 2, listed above, is not required for storing the vibrato of the Pedal Custom Voices in memory.

5) Determine the kind of Vibrato to be produced by using the levers.

Set the levers while actually playing. First, be certain to pull the DEPTH lever forward to determine the depth of the Vibrato. Likewise, the speed of the Vibrato can be controlled with the SPEED lever. The length of time between striking the keyboard and producing Vibrato for the tone can be controlled with the DELAY lever.



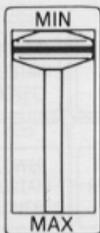
★ When TOUCH VIBRATO is selected in Step 2, the vibrato depth can be controlled with the TOUCH DEPTH lever.

6) Push the LEVER button while pressing the SET button.



Subsequently, the PLAYER button light will flash. This indicates that the memory procedure is complete. After finishing this procedure, if you set the PLAYER button on, the Vibrato determined in Step 5 for the tone selected in Step 4 will be produced.

★ Once the Vibrato has been stored in memory, it will not be erased even when the power is turned off, until a different Vibrato for the same tone is stored in memory.



REVERB

## Reverb

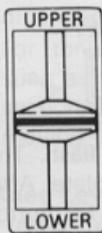
By using this sound reverberation effect, an echo can be created as if performing in a concert hall. This effect can be produced for all the keyboard tones. The length of the reverberation can be increased by moving the slider forward. A digital system is used for the Reverb in this model.

— FOOT SWITCH —



## Glide

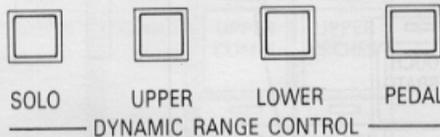
With this effect, the upper and lower keyboard tones as a whole can be lowered by approximately half a step. This effect is produced by setting the GLIDE button on and pressing to the left the Foot Switch located on left side of the Expression Pedal. While the Foot Switch is being pressed, whole steps will be lowered approximately by a half step. When the Foot Switch is no longer pressed, the musical interval will slowly return to normal. This can be used to play a glissando effect.



MANUAL BALANCE

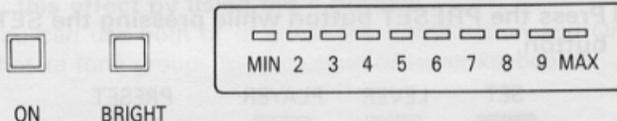
## Manual Balance

The MANUAL BALANCE slider controls the balance of the volume between the upper and lower keyboards. The volume for the upper keyboard increases when it is set in the UPPER position, while the volume for the lower keyboard increases when it is set in the LOWER position.



## Dynamic Range Control

Alterations in the volume of the entire Electone can be created with the Expression Pedal. However, when the button for the Dynamic Range Control is set on, the amount of volume fluctuations can be reduced only on certain keyboards. First, choose the keyboards which you wish to have very few fluctuations, using the 4 buttons: SOLO, UPPER, LOWER, and PEDAL. Then add fluctuations to the entire volume. The breadth of the fluctuations on keyboards with depressed buttons are reduced.



## Expression Pedal Display

An expression pedal is used to change the volume level during play. Volume increases as you step on the pedal. The expression pedal display between the upper and lower keyboards indicates the degree to which the expression pedal is depressed. A 10-position lamp with a range from minimum to maximum lights up, and volume can be visually verified, a very convenient feature when opening performances on stage. The display appears when the ON button is set, and the lamp becomes brighter when the BRIGHT button is set.