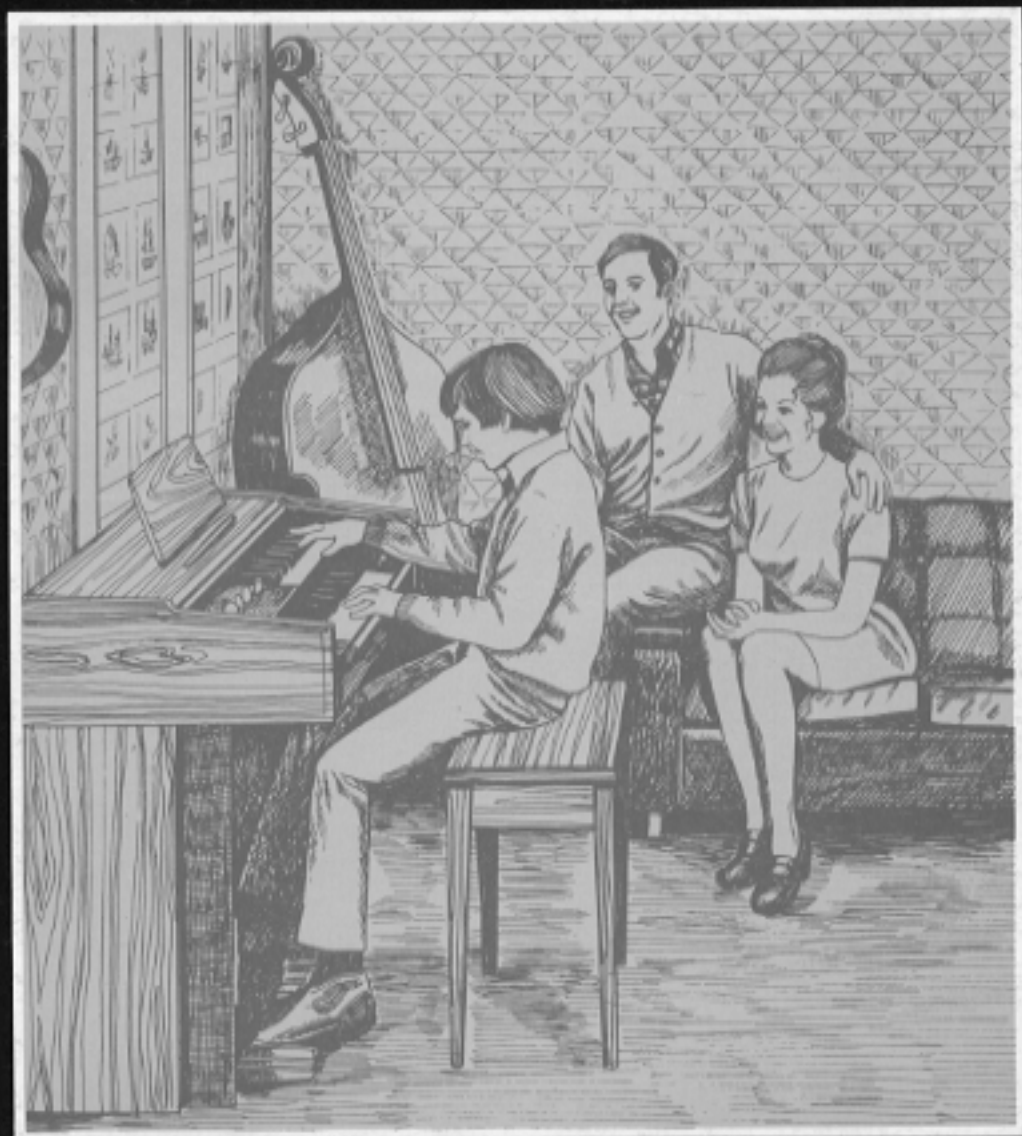


GUIDE
TO
YOUR
YAMAHA
ELECTONE
MODEL BK-6



SINCE 1887

NIPPON GAKKI CO., LTD.
Hamamatsu, Japan

ELECTONE BK-6 PLAYING GUIDE

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Introduction

We of Yamaha wish to thank you for selecting the BK-6 Electone. We feel sure that you will realize many happy years of playing enjoyment with this instrument. Please read this guidebook for more complete enjoyment of all of the BK-6's special characteristics. We would suggest that you occasionally re-read it from time to time as you progress.



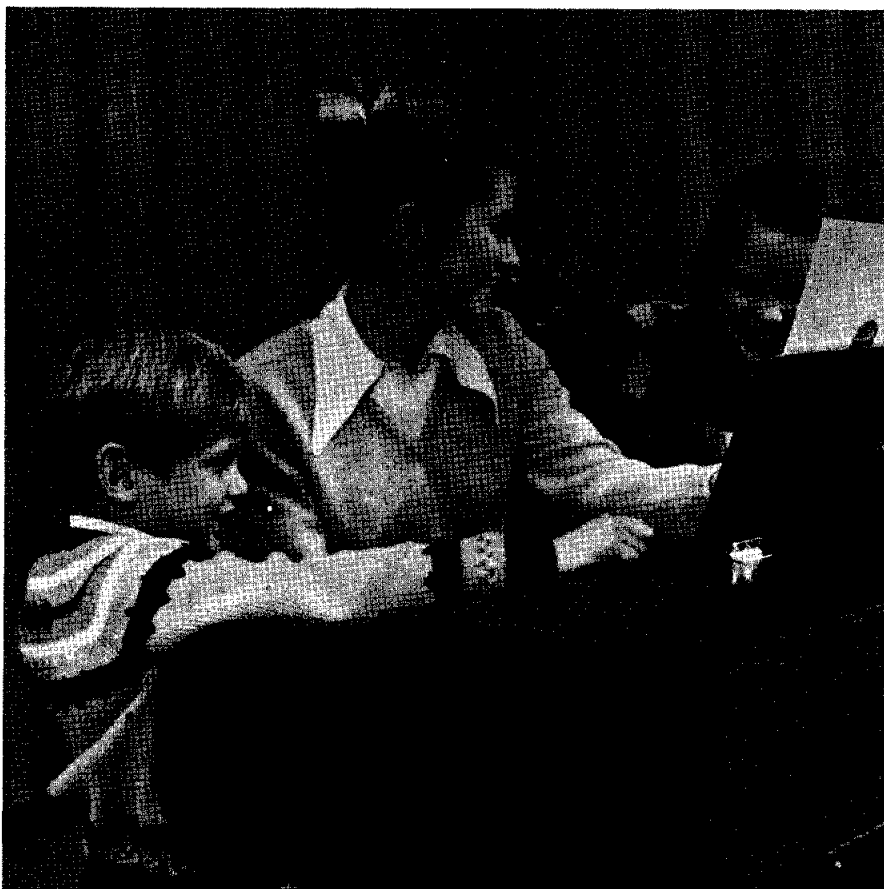
A Fun-filled Home Music Center

An easily-accessible introduction to the delights of musical appreciation and a complete home music center full of expressive possibilities—the Electone BK-6 is unique in so many ways.

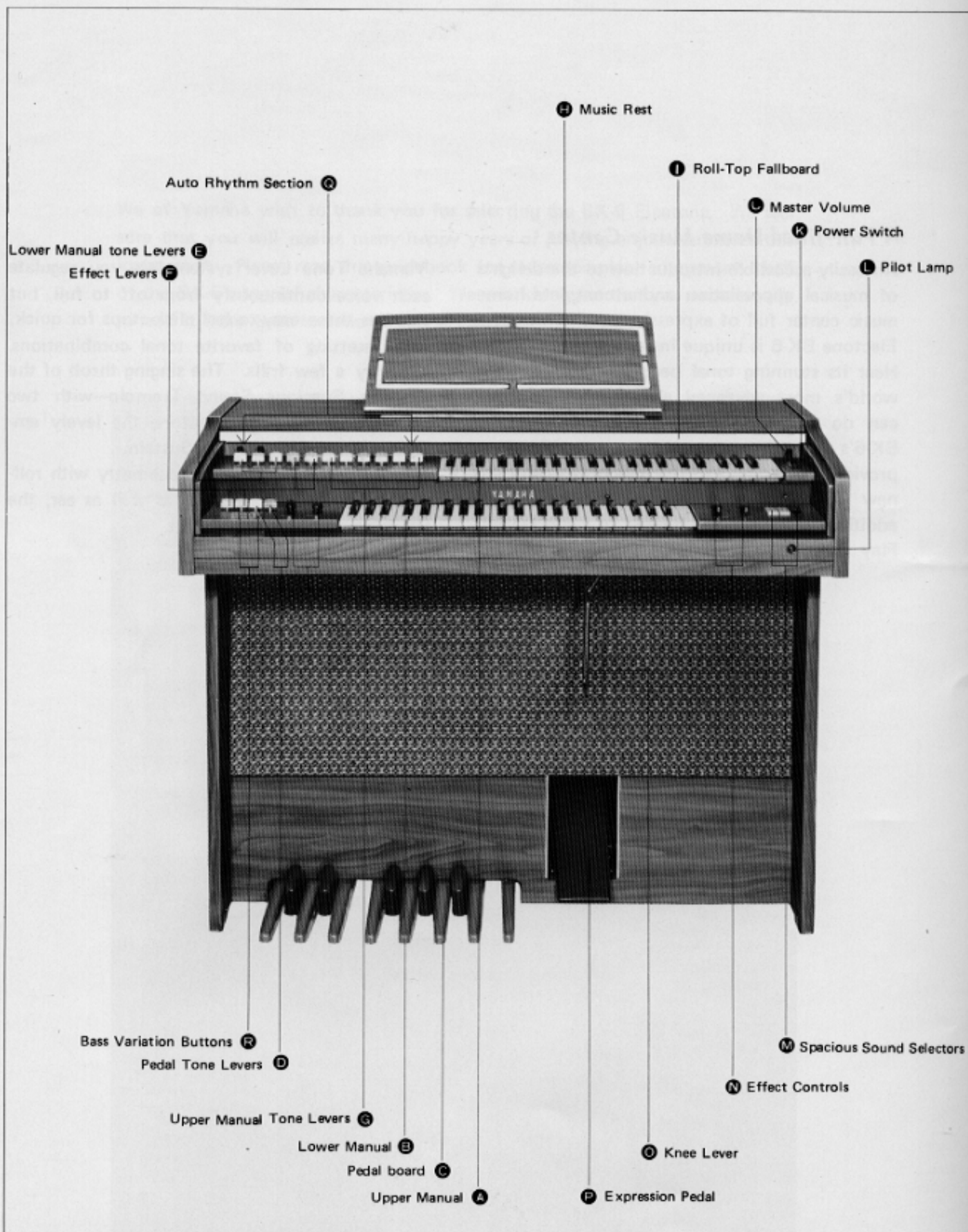
Hear its stunning tonal beauty to see what the world's most advanced electronic technology can do for a great musical instrument: the BK-6's amplifiers is a revolutionary OCL type providing rich, undistorted bass power, and the new Natural Sound speaker backs it up in addition to adding new heights of treble clarity. Play a few notes. Notice how the exclusive

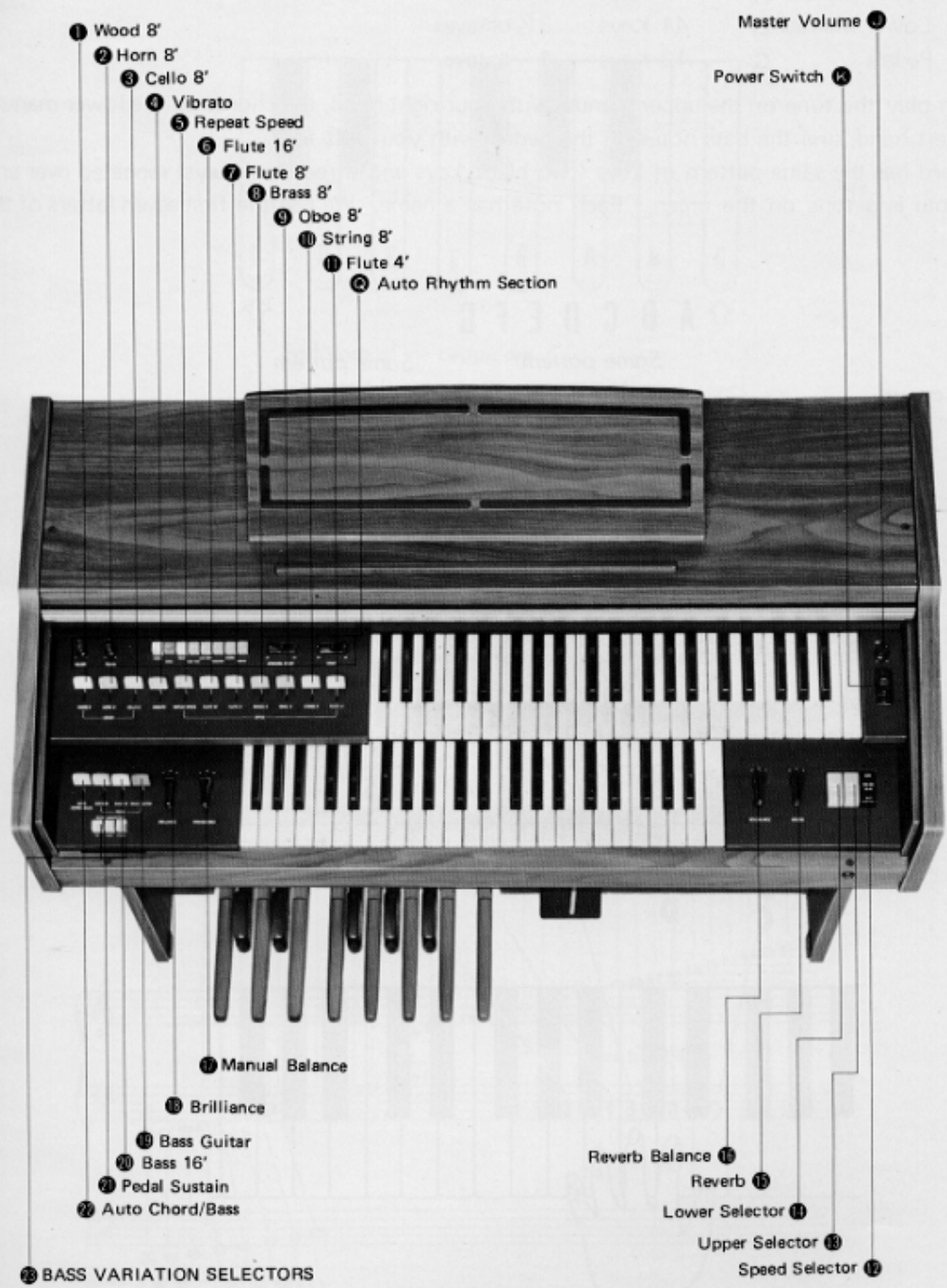
Yamaha Tone Lever system lets you regulate each voice continuously from off to full, but still has three easy-to-feel click-stops for quick, sure resetting of favorite tonal combinations. Now try a few frills. The singing throb of the Yamaha Spacious Sound Tremolo—with two speeds, Upper/Lower selectors, the lively emphasis of the BK-6's Pedal Sustain.

Finally, check the stunning cabinetry with roll-top fallboard. To the eye as well as ear, the BK-6 is a priceless family gift.



Here is your Yamaha Electone BK-6





NOTE : The circled numbers refer to explanatory section in the text to follow.

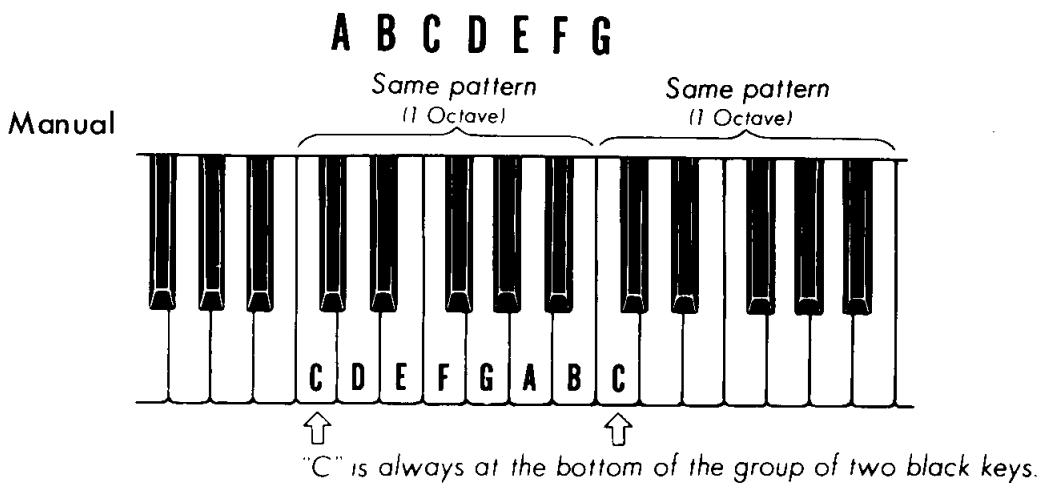
Keyboards

The Electone BK-6 has THREE KEYBOARDS. Two of them are called "MANUALS" and the rest is called "PEDALS"

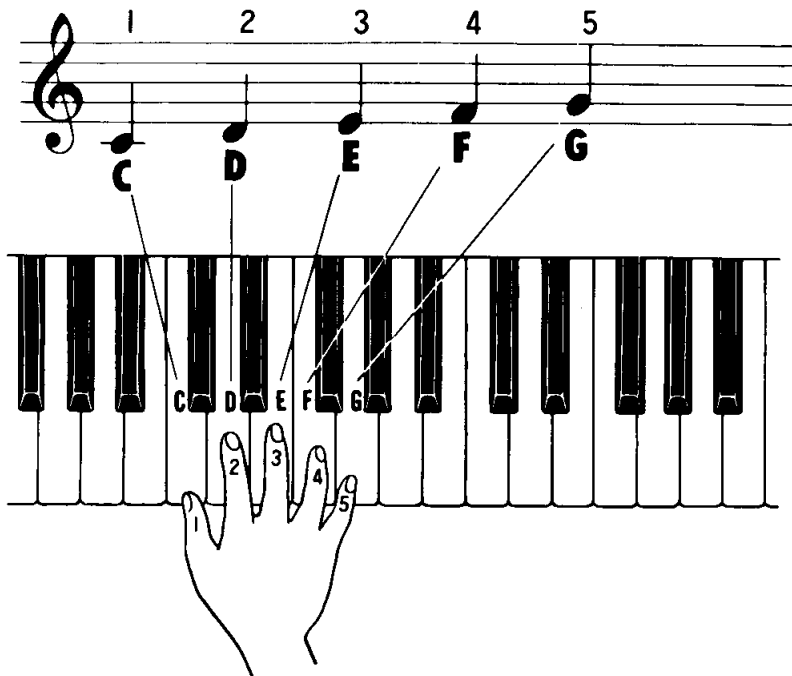
Upper Manual (A)	44 Keys	3 ² / ₃ octaves
Lower Manual (B)	44 Keys	3 ² / ₃ octaves
Pedals (C)	13 Keys	1 octave

So, you can play the tune on the upper manual with your right hand, the chords on the lower manual with your left hand, and the bass notes on the pedals with your left foot.

The keyboard has the same pattern of keys (two black keys and three black keys) repeated over and over. A note is a tone on the organ. Each note has a name. We use the first seven letters of the alphabet.

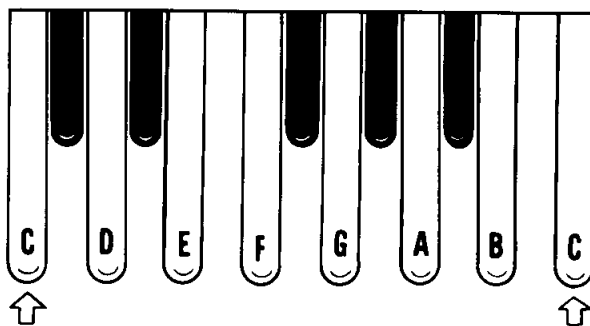


Let's see how the letter name of the notes match the letters on the keys.



Pedals

The pedal keyboard (pedals) is an enlarged manual keyboard for the foot containing one octave of notes.



Both ends of the pedals are "C."

The Compass of the Electone BK-6

Upper manual
F G A B C D E F G A B C D E F G A B C D E F G A B C D E F G A B C

Lower manual
F G A B C D E F G A B C D E F G A B C

Middle C

Tuned to 440 Hz

Pedals
C₁ C

Note
The pedal keyboard notation is one octave higher than the actual notes as in the case of the contrabass

Tone Levers

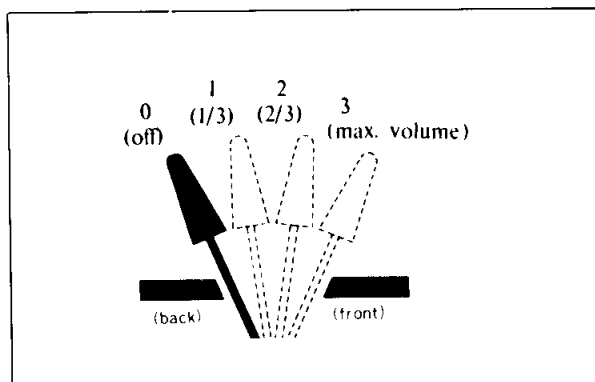
On the control panel to the left of the upper and lower manuals of the Electone are arrayed the tone levers. They are divided into three groups:

- (1) Upper Manual Tone Levers **Ⓒ**: 6 voices
- (2) Lower Manual Tone Levers **Ⓔ**: 3 voices
- (3) Pedal Tone Levers **Ⓓ**:

Yamaha's Exclusive Tone Lever System

Each tone lever serves to impart a distinctive tonal quality to each note played. However instead of the usual simple on-off action of other systems, the Yamaha tone lever offers the unique advantage of continuously variable control. This means that even the finest shadings of volume control can be obtained from each and every lever, surely an amazing advantage in breadth of expression and ease of playing. For quick changes, another aid to precision is provided: As the tone lever is pulled, two click-stop positions are felt, where the lever catches slightly. These indicate 1/3 and 2/3 of the maximum setting attained when the lever is fully depressed.

This exclusive Yamaha tone lever system allows the combination of these tones giving a virtually limitless range of tone, with a full spectrum of rich harmonics. The Electone B-6D is thus able to satisfy even the most demanding professional organist.



The most important point in developing good tone registration is the early mastery of the tone levers. Make it a practice to listen to good music and build your "taste" for sounds so that you can use the tone levers in combination. Experiment in the creation of tone colors to suit your own taste.

This use of the tone levers for volume control is also useful in adjusting the balance among the three keyboards.

How does each Tone Lever sound?

Upper Manual Tone Levers **Ⓒ**

Flute 16' : **Ⓔ**

In the Electone BK-6 an even greater richness and vibrancy has been added to the flute voice. A new harmony and beauty can also be achieved with other voices, as the result of the unstinted use of transistorized components in designing a completely new tone filter. When the Flute 16' tone lever is pulled together with an 8' voice, a flute tone one octave lower will be added to the fundamental 8' tone (i.e., the note as played on the manual). This lower note will give added harmonic breadth, and provide great depth to a selection of music.

Flute 8' : **Ⓙ**

The flute is originally an open-pipe woodwind with a strong fundamental and relatively small harmonic component. It thus gives a simple yet darkened feeling to the mood of the music.

Flute 4' : **⓫**

The sound of the flute one octave higher than 8' tone. When this tone is added to the fundamental, the sound becomes more vivid, and by lessening the 8' component or playing the 4' alone, the range can be extended one octave higher.

Brass 8' : ⑧

Harmonics multiply and remultiply toward the upper registers to produce a rich, penetrating sound that recalls the brilliant clarity of the brass instruments.

Oboe 8' : ⑨

This lever lessens the fundamental and enriches the harmonics to produce the plaintive, haunting timbre characteristic of the double reed woodwinds. It is excellent in adding harmonic color to quiet passages and, when combined with a string tone, produces an extremely clear but penetrating effect.

String 8' : ⑩

The wealth of harmonic color which can only be achieved by the higher stringed instruments.

Lower Manual Tone Levers ⑤

Wood 8' : ①

This is a characteristic tone of the woodwind instrument. It is rather simple, but with a slightly stronger harmonic component to produce a brighter tone than the Flute 8'.

Horn 8' : ②

Overtone multiply to produce the rich, smooth texture of the horns.

Cello 8' : ③

Rich harmonics blend to produce the soft, mellow tone characteristic of the cello.

Pedal Tone Levers ④

Bass 16' : ⑳

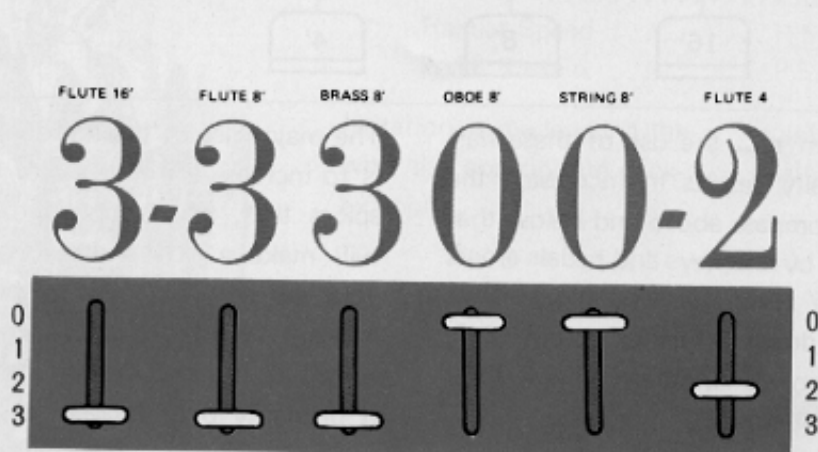
With great penetrating power, this lever sounds the lowest reaches of the BK-6's compass.

Bass Guitar : ⑲

By producing the electric bass guitar sound, this lever gives more vivid and clearer bass sound.

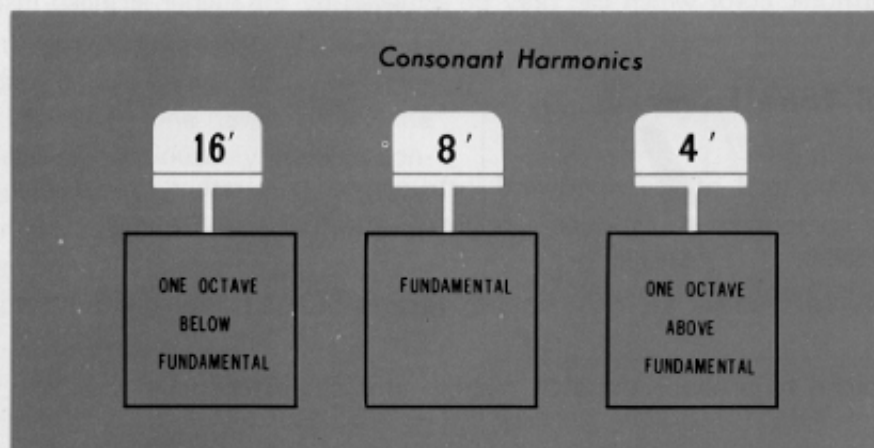
Tone Lever Registration

Tone lever registration is given by numerical indications which show the click-stop position of each lever, as illustrated below. The indications are in the order in which the levers appear on the control panel, with hyphens separating harmonic groups.

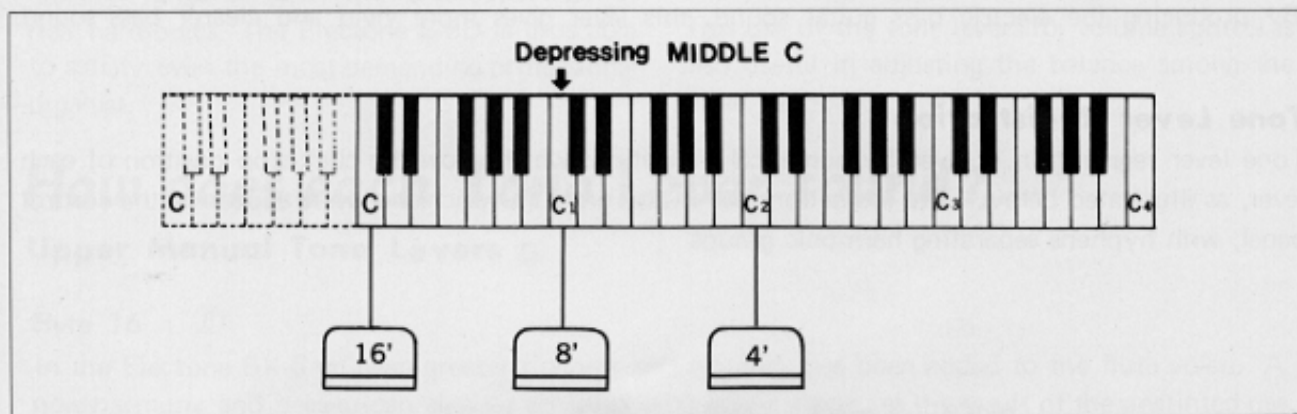


Harmonics

Tone levers are of some varieties: 8', 16' and 4', each variety having a different pitch. The 8' tone levers are "fundamentals", that is, they have the same pitch as the written note (*see the Compass Chart, page 7*). The others, called "harmonics", are pitched a certain interval above or below the fundamental. Harmonics can be further subdivided into *consonants*, at octave intervals from the fundamental.



As an example of what this means when you play, let us see which note can be produced by using one of the tone levers and pressing the key of middle C (c1). Pressing middle C and using the 4' tone lever, for example, will result in the same note as would be produced by pressing c2 (using the 8' tone lever, i.e., its fundamental).

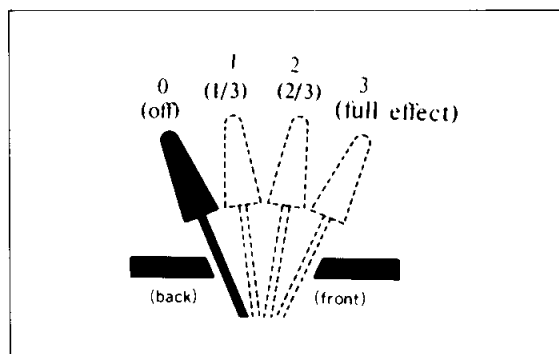


It can thus be seen that the use of these harmonic levers actually results in increasing the Electone BK-6's compass above and below that which is indicated by the keys and pedals alone. The use of the 16' lever, for example, will extend the manuals down a further octave to C, (see dotted line above). Similarly the 4' lever raises the tone one octave.

The major use of the harmonic levers, however, is to increase the richness of tone—they are the spices that, when applied to the fundamental, will make a rich and savory performance. Let your ear be your guide to the creation of good music. Always remember not to overuse this effect as it may weaken its effectiveness. Use it primarily only for special effect.

Effect Levers

Effect levers (F) of the Electone BK-6 provide a wide range of tonal effects which add to the breadth and variety of possible interpretations. These levers have the same operation as the tone levers and allow the organist to vary the depth of their effects according to their stop positions, as illustrated.



Vibrato : (4)

Vibrato is a scarcely noticeable waving of the tone. You will see violin and cello players use it freely by an oscillating motion of the left hand. It increases the emotional quality of the violin tone. This vibrato lever produces the same vibrato effect. Use of this lever will add a charming and lively air to the tone of your Electone.

Repeat Speed : (5)

Everyone will enjoy the fun of the many thrilling and exciting sounds that are possible with repeat percussion. Use of this lever 'chops up', so to speak, notes played on the upper manual, deriving a double-strummed effect similar in sound to the mandolin.

The lever gives a continuous spectrum of speed adjustment.



Pedal Sustain : (21)

You can tailor your bass 16' to perfectly match the mood of the music. Release the note, the sound lingers on for precisely as long as you want, thanks to this continuous control. This lever is effective only for Bass 16'. Sustain length of Bass Guitar is set at factory.

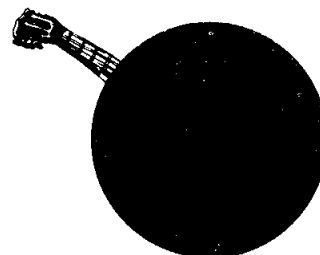
Effect Lever Registration

abbr.

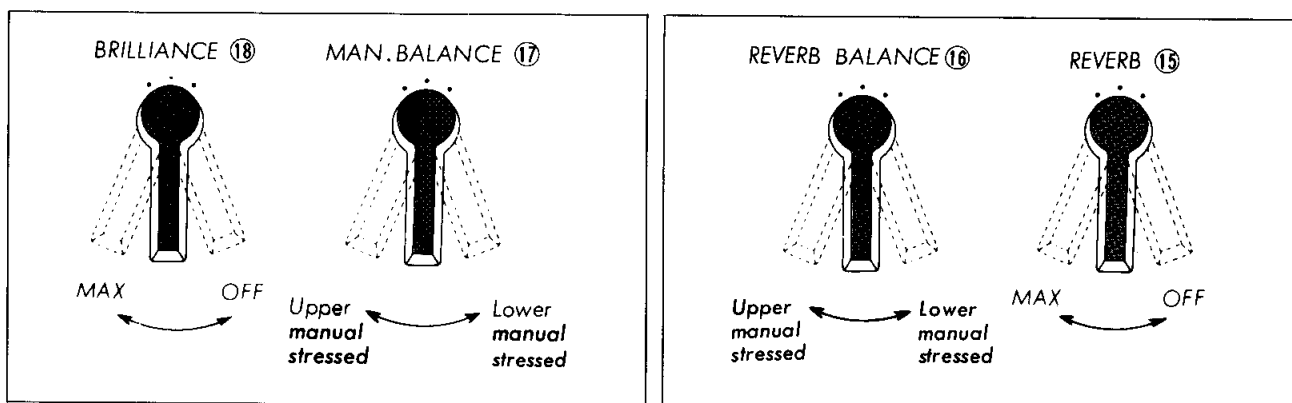
Vibrato	Vib.
Repeat Speed	R.Sp.
Pedal Sustain	P.S.

Notation is made using the abbreviated name of the lever with the appropriate click-stop position indication as, for example:

Vib. 3 R.Sp. 2 P.S. 2

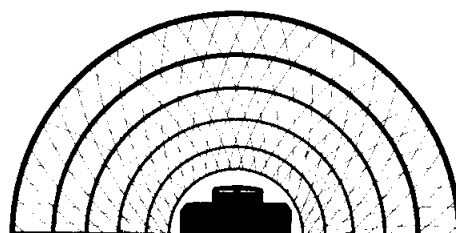


Effect Controls



Reverb : ⑮

Reverberation is the quality that makes your playing sound full and rich as if you were playing in a large auditorium or hall. The use of this effect, therefore, allows you to attain this grandeur at will, evoking the aura of professional performance in your own living room. The control includes a regulator so that the strength of the reverberatory effect can be varied continuously softer or louder as the music requires. For passage-by-passage, or even phrase-by-phrase reverb control, the Knee Lever ① should be operated with the right knee. (See page 16.)



Reverb Balance : ⑰

To balance the Reverb effect between the Upper and Lower Manuals; when used to strengthen the Upper Manual, it brings you an effect similar to SUSTAIN on more expensive models.

Manual Balance : ⑰

Governs the relative strength of the upper and lower manuals. It is normally left in the center position. But when it is desired to strengthen one manual, for example, when the upper manual plays a melody and the lower its accompaniment, the knob can be turned (in this case to the right) to emphasize the upper manual. Similarly, the control is turned to the left when strongly played accompaniment is required or when the melody is played on the lower manual and requires greater emphasis.

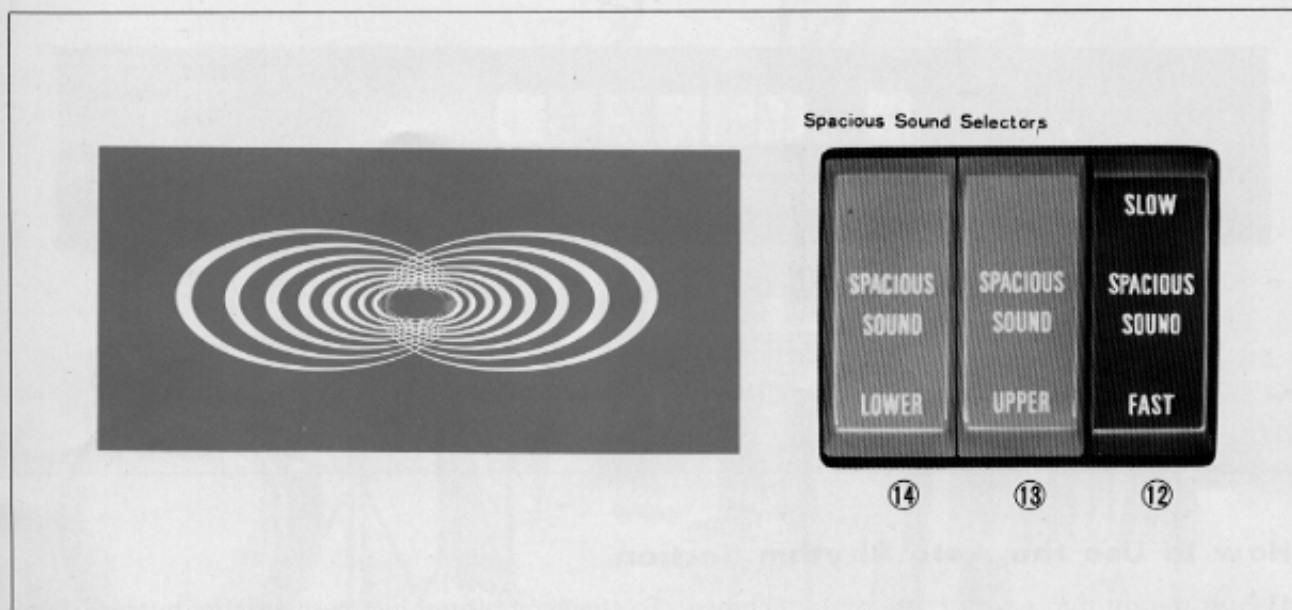
Brilliance : ⑱

Stop-free adjustment lets you pinpoint the degree of overall clarity or softness according to your mood and that of the music.

Spacious Sound

A brilliant sound source that surrounds you with lively tones, with the same feeling as a revolving speaker. That's the Yamaha exclusive Spacious Sound. A world's first, this new system is an exclusive development of the outstanding Yamaha electro-acoustic technology, incorporated in the Electone BK-6.

Successfully incorporating the essential sound quality of the famous Yamaha rotary speaker tremolo effect, this new effect is achieved solely through special electronic circuitry, assuring the same full, rich musical expression and liveliness that have made the Electone famous.



Spacious Sound is available in two speeds. Use SLOW for stately, liturgical selections, FAST for popular numbers. Works on Upper, Lower or both manuals, according to which of the three selectors you choose.

Lower Selector : ⑭ Use this selector to apply the Spacious Sound to the lower manual tones.

Upper Selector : ⑬ Use this selector to apply the Spacious Sound to the upper manual tones. The use of upper and lower selectors together will apply the Spacious Sound to the whole organ.

Speed Selector : ⑫ Combined with either or both selectors ⑬ ⑭, this selector determines the speed of the Spacious Sound. Set to FAST for waves of emotion (like tremolo effect), SLOW for a stately, liturgical mood (like chorus effect).