Using the diagrams......
The settings of the controls to arrive at some sound is called a patch.
The knobs shown in red should be placed as shown.
Knobs not marked have no effect, but it's good idea to keep them at "0".
Knobs shown in blue should be placed as shown, then adjusted as you like.
The gray lines show patch cord connections.
The numbers following "English Manual" (next to the patch number/name block) refer to paragraph numbers in the MODEL 101 SYNTHESIZER INSTRUCTION MANUAL.
The drawing below shows the missing frequency indications for the VCO FREQUENCY control.

![Frequency Diagram](image)

(K=1,000)

The progression of numbers is the same as used on most VU meters.
The frequency indications show the approximate frequency produced when middle A on the keyboard is pressed.
Accurate tuning is discussed in Section 10 (pp. 52-55) of the MODEL 101 SYNTHESIZER INSTRUCTION MANUAL.

Keep the following points in mind......
It is impossible to make the diagrams accurate. A small movement of a control often produces a large change in sound.
Characteristics of electronic parts used are slightly different in each synthesizer manufactured.
Characteristics of parts will change from day to day in relation to temperature, humidity, and other environmental conditions, so the exact settings for each patch will change slightly with the weather.
And last, but not least, what we consider a good trumpet sound, for example, may not sound quite right to you. Instruments will sound different to different ears and when played under different conditions.
From this you can see that with some sounds you may have to play around a little with the controls to get exactly what you want.
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**TEST PATCHES**

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**RECORDING EXAMPLES (following Patch 48)**

Haydn Serenade

Rock and Roll
This Basic patch produces no sound.

If you become confused or have trouble obtaining sound from some of the patch diagrams, it sometimes helps to start all over from the beginning by setting this Basic patch.

この「基本パッチ」は、音づくりの準備が整った状態を示しています。
（改めて音をつくる場合や、操作が混乱した場合には、このパッチに依るよう）
各コントロールをいったん戻すと便利です。
Use low keys for Bass Drum sound
Use high keys for Tom Tom sound
(This patch will produce timpani-like sounds with some speaker systems).

低いキーを叩くとバス・ドラム、高いキーを叩くとタムタムの音が出ます。
また、接続するスピーカーによっては、ティンバーニーのような音を得ることができます。
Set at 110Hz
(110Hzにセットします)
Sat at 55Hz
(55Hzにセットします)
Adjust both these controls to obtain different kinds of bell sounds.
(Interesting effects can be obtained with very low settings of the
VCO FREQUENCY control).

VCO フリケンシーと VCF カットオフ・フリケンシーの両方の位置によって異ったベルの音をつくることができます。
また、VCO フリケンシーを極めて低くセットした場合には、特殊な効果を出すことができます。
Set at 110Hz
(110Hzにセットします)
Set at 440Hz
(440Hzにセットします)

Put this slider at "0" when trying the RESONANCE test in 1-3-26.

Acts as output volume control
(音量に応じて位置を
変えしてください。)
Adjust both these controls to get cow bell sound.
(Try starting with the VCO FREQUENCY at about its center point, as shown).

(VCOフリケンシーとVCFカットオフ・フリケンシーの位置で音程が変わります。)
Set at 440Hz

(440Hzにセットします)

Tune to a major third.
Also see variations in fig. 1-61.

( 音程の上下を適度に調整します。
また、図1-61に従って、効果を変化させてください。)

Tap the middle A on the keyboard once to establish the middle A control voltage to the VCO.

(鍵盤中央「A」のキーを叩いて下さい。)
Set at 440Hz or 880Hz
(440Hzもしくは880Hzにセットします)
Set at 110Hz
(110Hzにセットします)

Also see variations in fig. 1-58
（図1-58もあわせて参照してください。）
Set at 440Hz
(440Hzにセットします)
Set at 110Hz
(110Hzにセットします)
Set at 220Hz
(220Hzにセットします)
Try tapping different keys to get the effect of different guns shooting.
(叩くキーによって、異なる銃声を得ることができます。)

For a machine gun effect, try this:
(LFOをゲート信号にしてマシン・ガンの感じを出す)
(ことができます。)
Set at 880Hz
(880Hzにセットします)
Set at 440Hz
(440Hzにセットします)

See 1-9-5 for use of the GLIDE MANUAL.
(Or use the AUTO GLIDE switch, turning it on just before pressing the note you want to glide and turning it off just after pressing).

グライド・マニュアル、もしくはオート・グライドによって、ビッチベンドの感じを出すことができます。
Set at 220Hz
(220Hzにセットします)
Set at 440Hz
(440Hzにセットします)

Use AUTO CLIDE and/or a little PORTAMENTO.
(オートクライド、もしくは、あるいは同時にポルタメントを少し加えてください。)
Set at 440Hz
(440Hzにセットします)

(a) detached
(レカートとスタッカート)
の中間的な奏法。
(ノン・レカートの一種。)

(b) legato
(レガート)

(c) staccato
(スタッカート)
Set at 440Hz
(440Hzにセットします)
Set at 110Hz
(110Hzにセットします)
Set at 55kHz
Run your fingers slowly up and down the keyboard in glissandos like the action of waves.

(鍵盤を左右にグリッサンドして波の感じを出してください。)
See 1-8-4 for manual control
(1-8-4に従ってコントロールしてください。)
Set at 220Hz (or 110Hz).
(220Hzもしくは110Hzにセットします)

Adjust for proper amount of slide (See 1-2-16).
(スライド・トロンボーンの場合、途中でつまみを上げます。)
Set at 110Hz
(110Hzにセットします)
Set at 440Hz
(440Hzにセットします)
Set at 440Hz
(440Hzにセットします)
Set at 440Hz
（440Hzにセットします）
Set at 880Hz
(880Hzにセットします)
Set at 220Hz
(220Hzにセットします)
Set at 1,760Hz
(1,760Hzにセットします)

Use GLIDE and/or a little PORTAMENTO
(オート・グライド、もしくは、あるいは同時にポルタメントを加えてください。)

To add breath effect:
(息を加える場合には)

Another breath effect:
(息を加える場合の違う例)
Use GLIDE and/or a little PORTAMENTO.
(グライド、もしくは、あるいは同時にボルタメントを加えてください。)
Run your fingers up and down the keyboard in glissandos (but not too fast).

(鍵盤を左右にゆっくりとグリッサンドさせてください。)
Set at 880Hz
(880Hzにセットします)

Also see variations in fig. 1-63
(図1-63のバリエーションも参照してください。)
Set at 440Hz

(440Hzにセットします)
Set at 440Hz
(440Hzにセットします)

Variations shown in figs. 1-57, 1-59, 1-60
(図1-57, 1-59, 1-60のバリエーションを参照ください。)
Adjust both for good balance between both sounds.

(つつのつなまを聞きながらの Fucked)
Has effect only when WAVE FORM Switch is in Disabled position.

(液形がバ尔斯波の場合は、波型のコントロール及び効果を加えることができます。)
ROCK AND ROLL

Wah-sound (PATCH36)

Bass (PATCH14)

Cow-bell (PATCH9)

Bass-Drum (PATCH2)

Rock Tempo

Improvise your own melody

Improvise your own melody
THE LAST WORD......

In your experimenting, if you find some wild sound you'd like to share with us, please send it along; we'd be very glad to receive it. Or, if you have any special problems in making patches, please let us know and we'll try to help you out.

Synthesizer Project Manager

Roland Corporation
3-2-26, Shinkitajima
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Osaka, JAPAN