

 Roland

Guitar Synthesizer GR-500
PATCH BOOK

<http://www.joness.com/gr300/GR-500.html>

GUITAR SYNTHESIZER GR-500 PATCH BOOK

USING THE DIAGRAMS

The setting 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 a good idea to keep them at "0"

Knobs shown in BLACK should be placed as shown, then adjusted as you like.

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 setting for each patch will change slightly with the weather.

And last, but not least, what we consider a string 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.

PATCH DIAGRAM

USING POLYENSEMBLE, BASS & SOLO MELODY SECTIONS

PATCH	1	VIOLIN, VIOLA (BOWED)
	2	TROMBONE
	3	TUBA
	4	FUNNY CAT (WOW SOUND)
	5	BASS (PIZZICATO)
	6	BASS (BOWED)
	7	FUNKY BASS (WOW BASS)

USING EXTERNAL SYNTHESIZER SECTION (SYSTEM 700 / SYSTEM 100)

PATCH	8-A, B, C . . .	VIOLIN, VIOLA (BOWED)
	9-A, B, C . . .	TUBA, TROMBONE
	10-A, B	WHISTLER
	11-A, B	HUMAN VOICE (SOPRANO)

USING AS AN EFFECT UNIT

PATCH	12	ORDINARY GUITAR WITH EFFECTS
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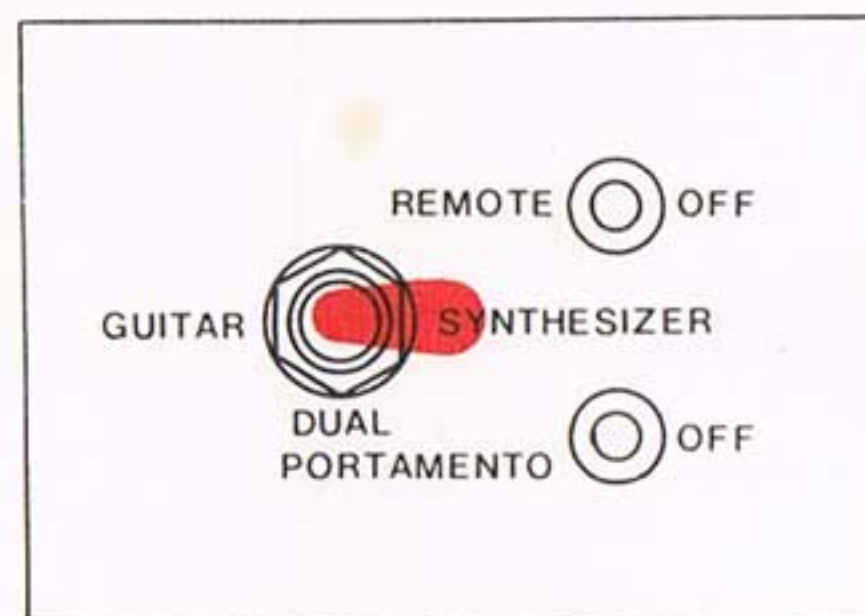
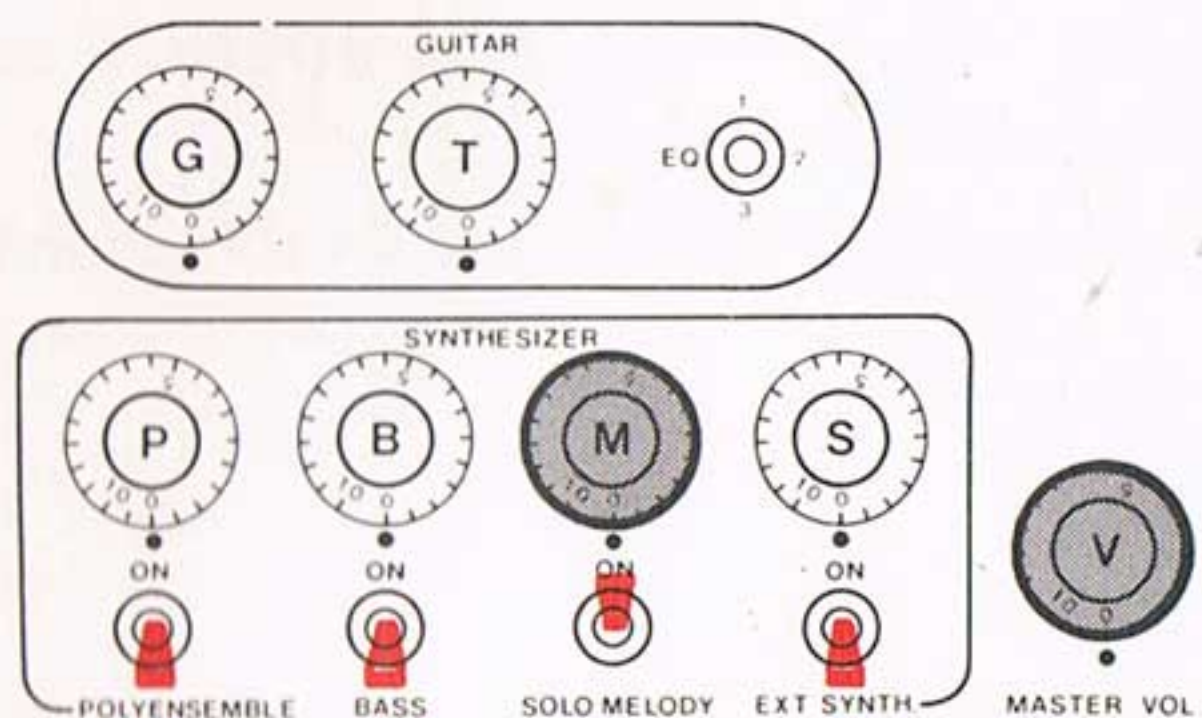
COMPREHENSIVE UTILIZATION

PATCH	13-A, B	ENSEMBLE EXAMPLE FOR ARPEGGIO
	14-A, B, C . . .	STRING ENSEMBLE
	15-A, B	BRASS ENSEMBLE

PATCH 1

VIOLIN, VIOLA (BOWED)

Guitar Controller

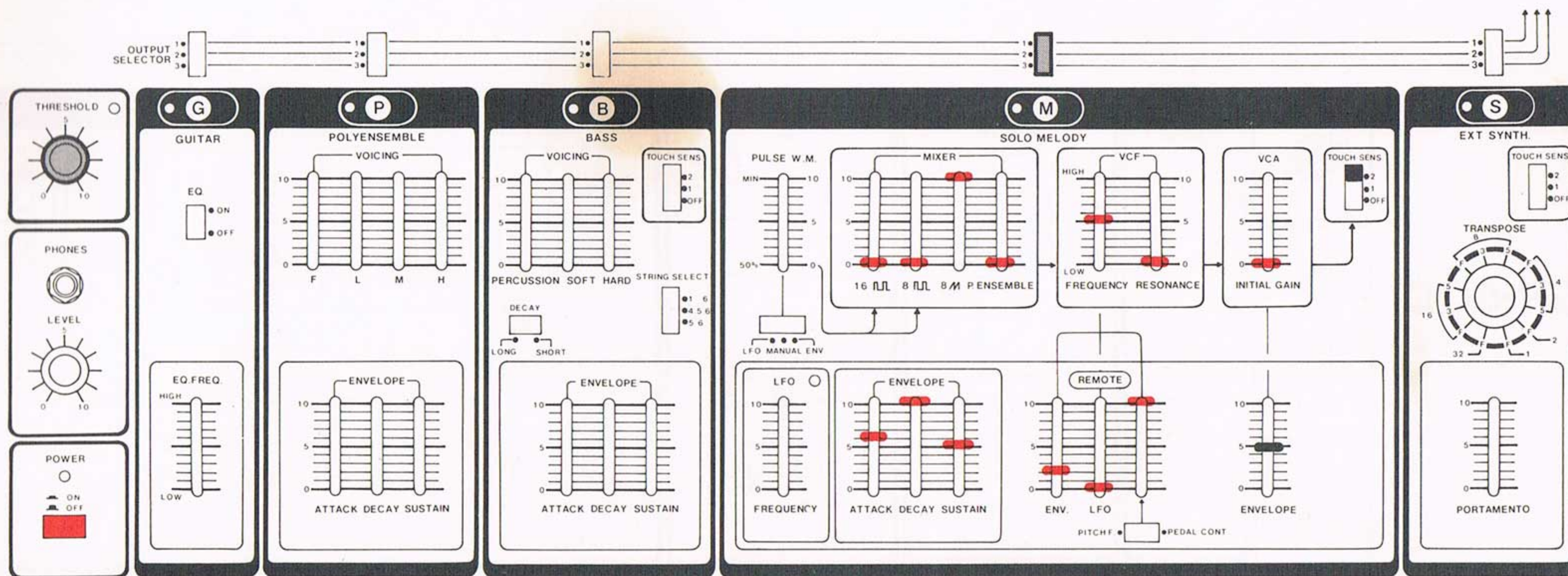


Playing at the high positions of Guitar Controller will produce sounds like a violin.

Sounds like a viola, and also cello-like sounds, will be produced by playing at middle and low positions.

Good effects can be obtained by controlling the loudness with a Foot Volume FV-2, and adding finger vibrato.

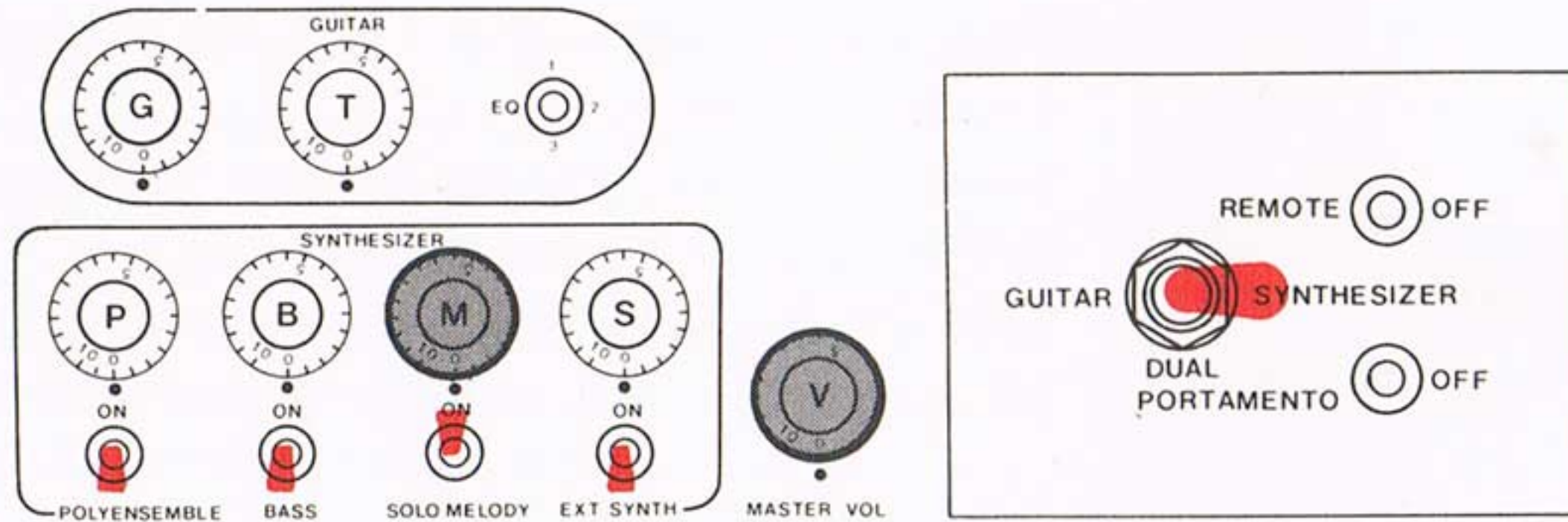
GR-500



PATCH 2

TROMBONE

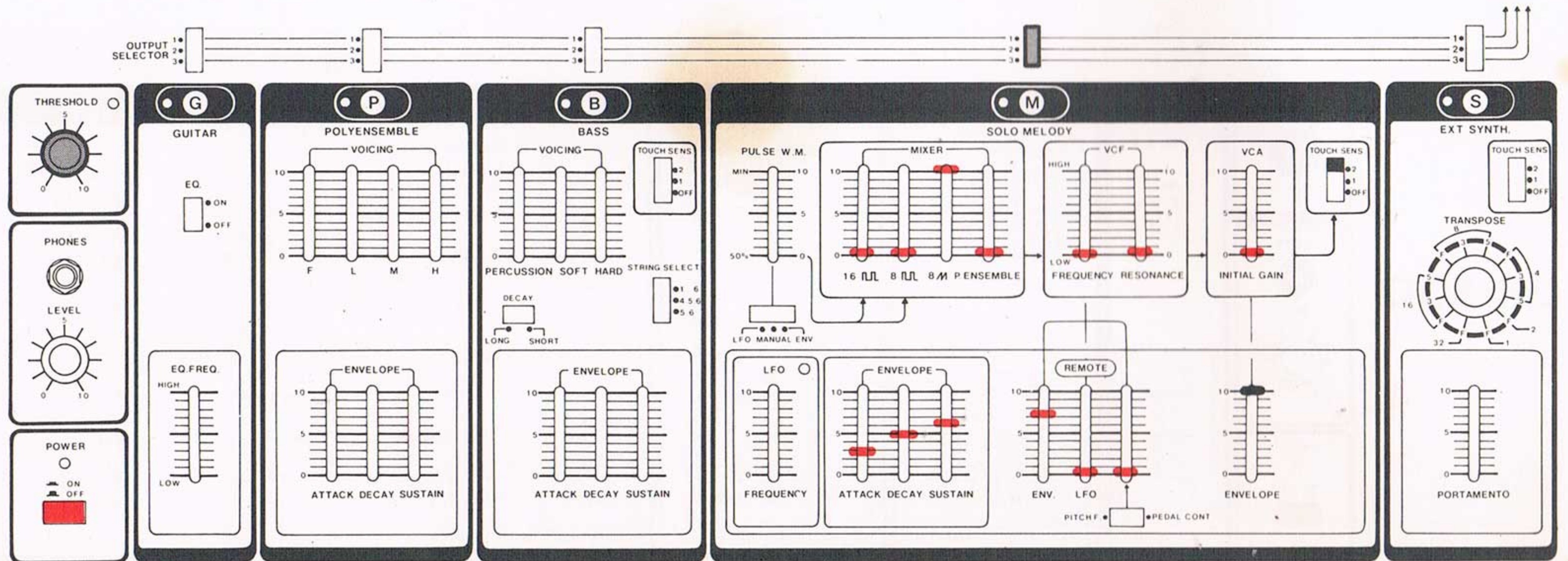
Guitar Controller



Adjust the VCF CUTOFF FREQUENCY control to get the effect of distortion.

Try adjusting this control to obtain soft sounds like a horn.

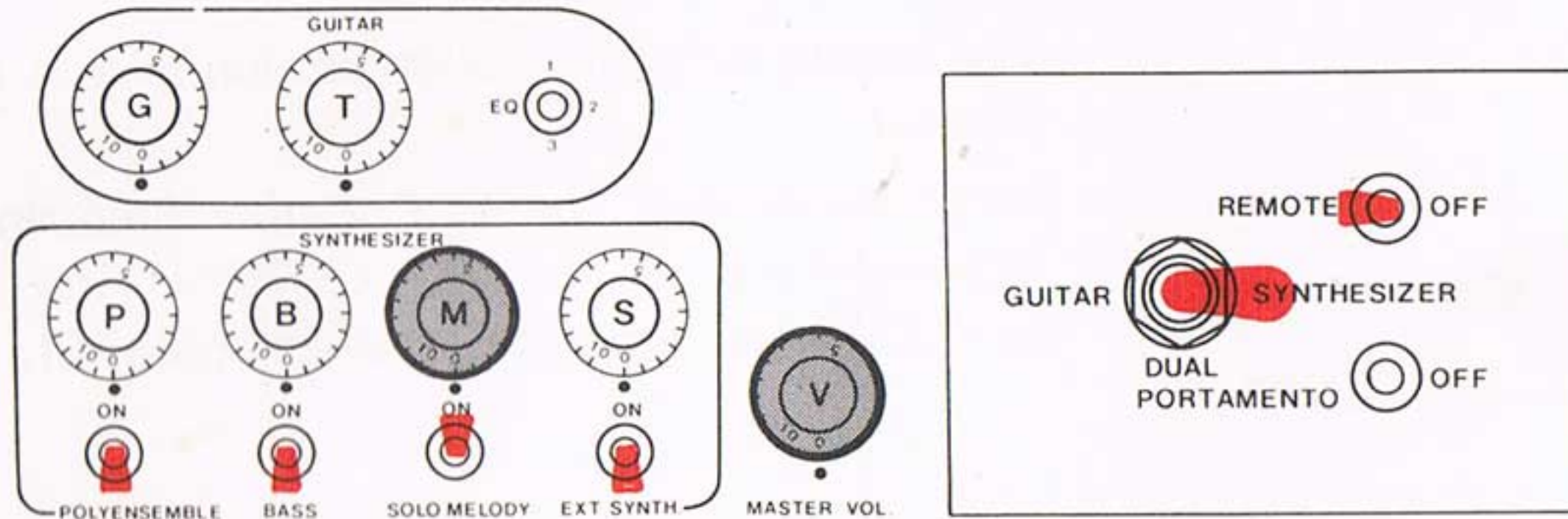
GR-500



PATCH 3

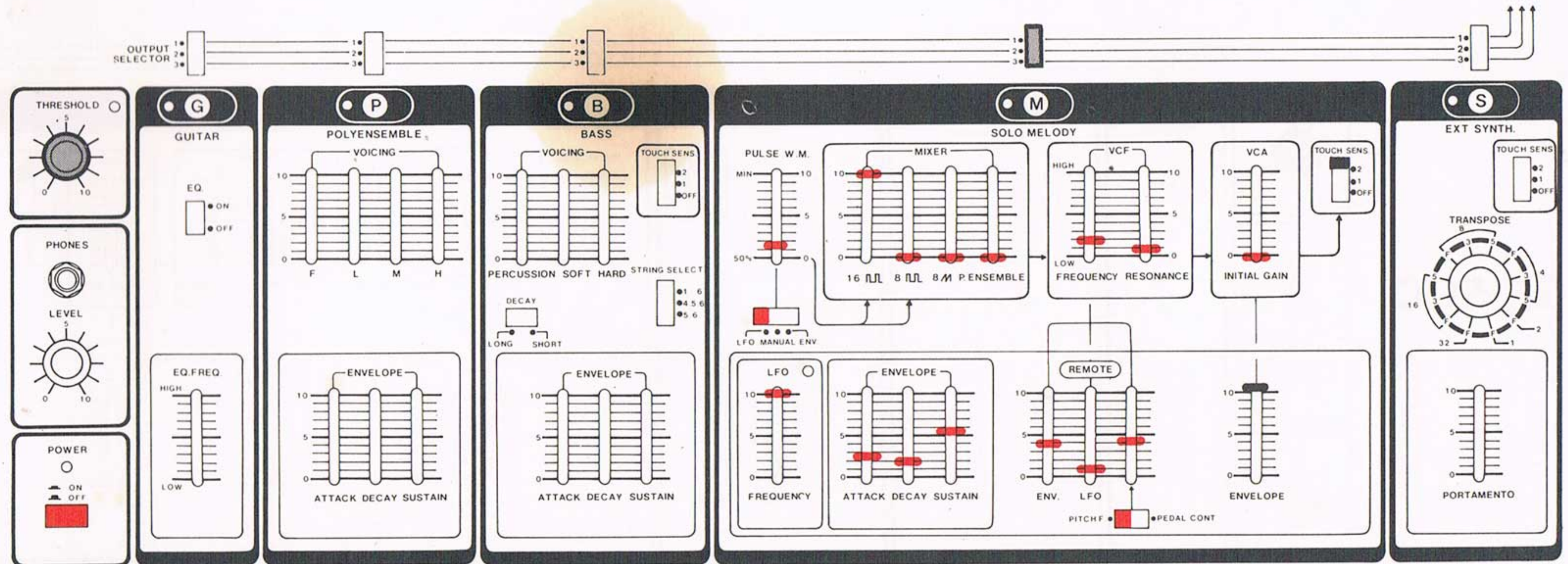
TUBA

Guitar Controller



Using the 4th, 5th and 6th strings will produce tuba-like sounds.

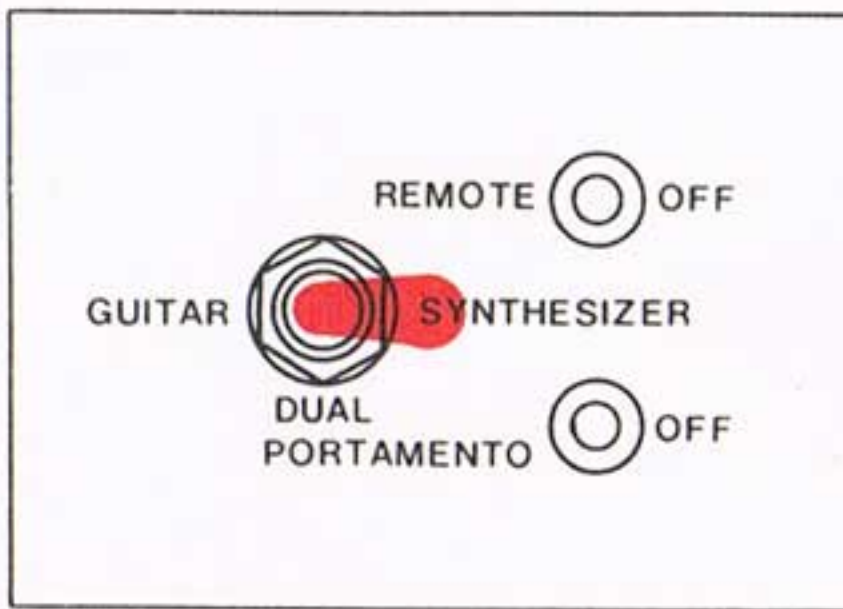
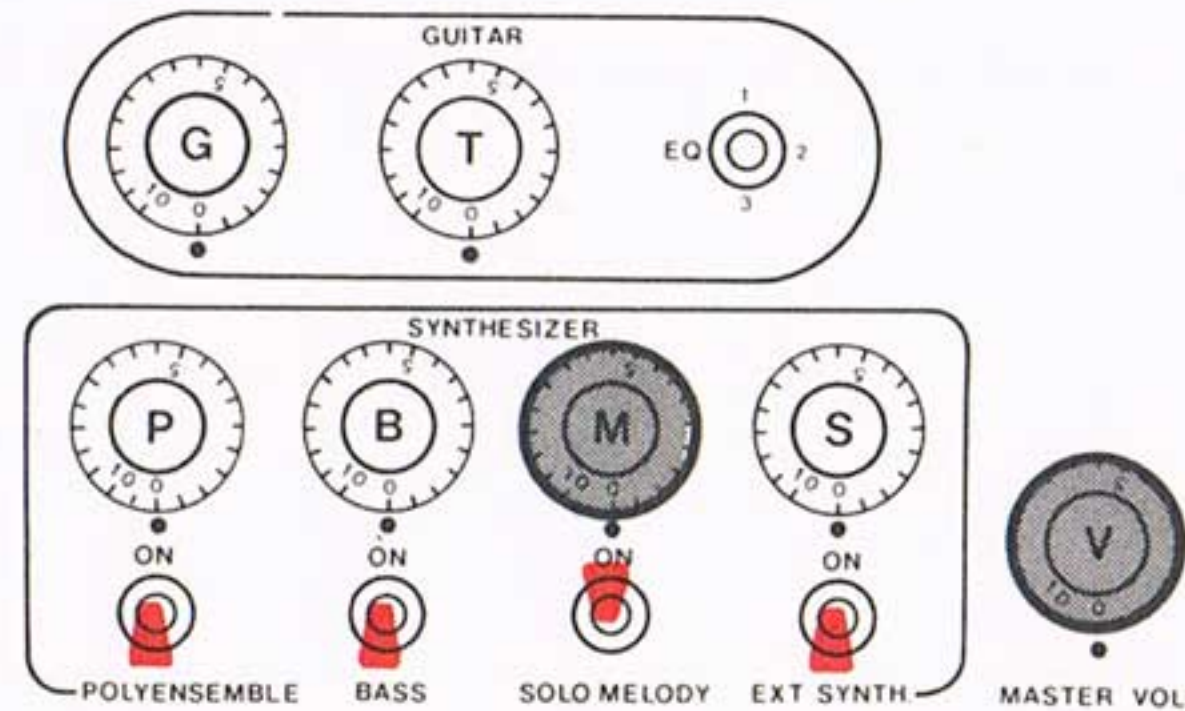
GR-500



PATCH 4

FUNNY CAT (WOW SOUND)

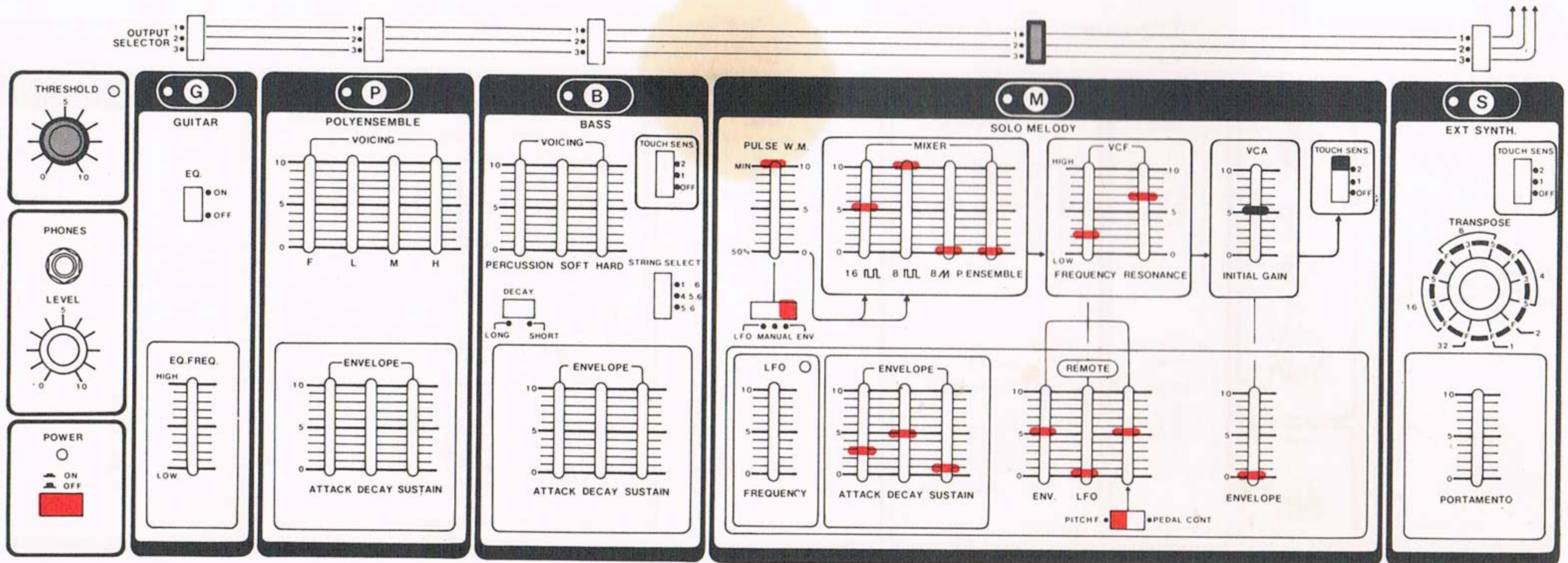
Guitar Controller



Try mixing with the Guitar Section sounds to get interesting effects.

When controlling the VCF Cutoff Frequency with a Foot Volume FV-2, set the VCF CUTOFF FREQUENCY control to "LOW" (see Instruction Manual, page 13).

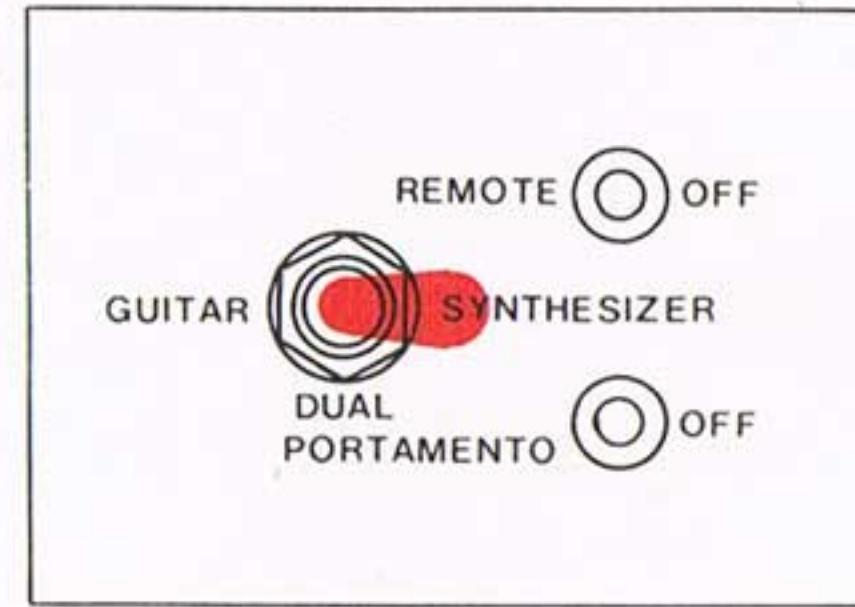
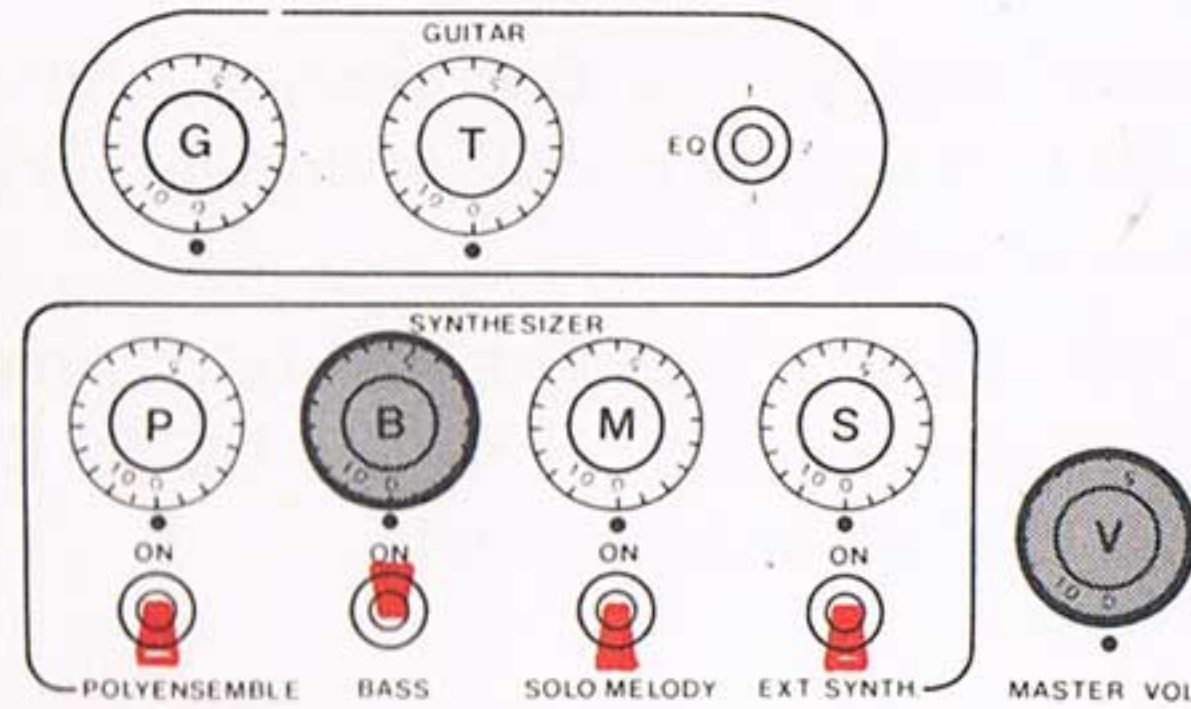
GR-500



PATCH 5

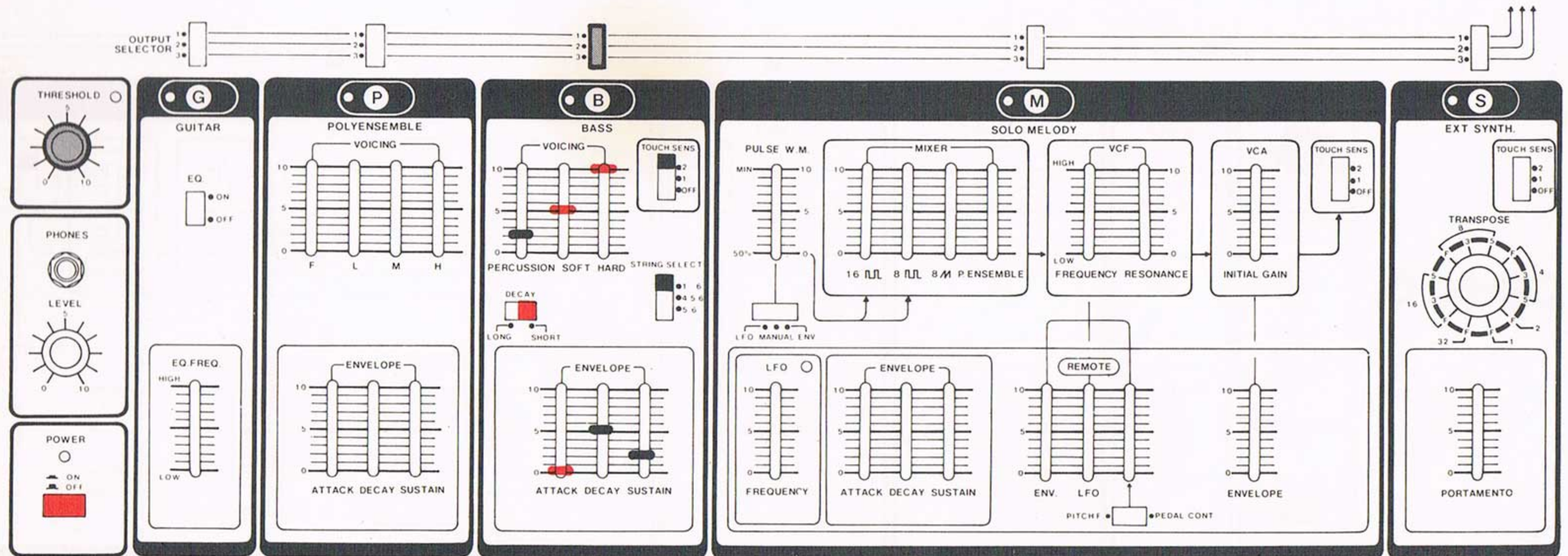
BASS (PIZZICATO)

Guitar Controller



To produce muted sounds, set the DECAY and SUSTAIN controls lower than shown. Also try different positions of the PERCUSSION control.

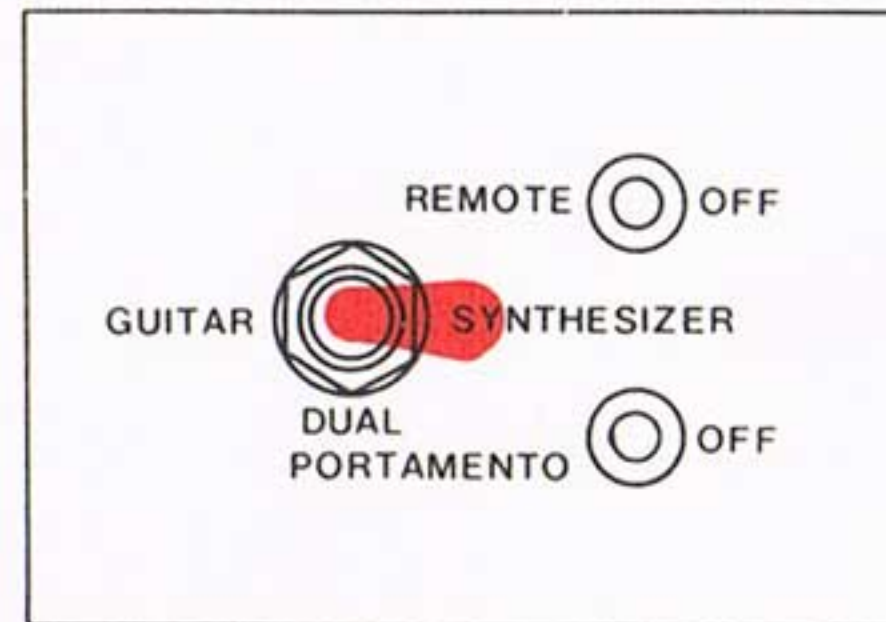
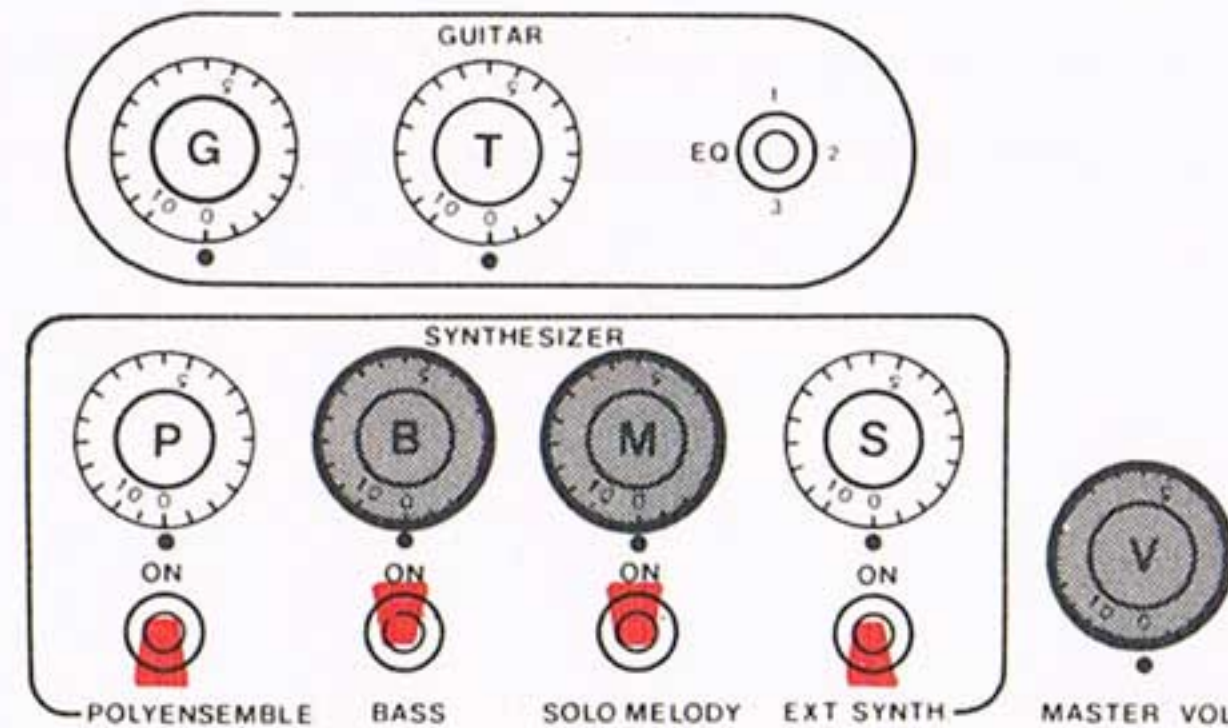
GR-500



PATCH 6

BASS (BOWED)

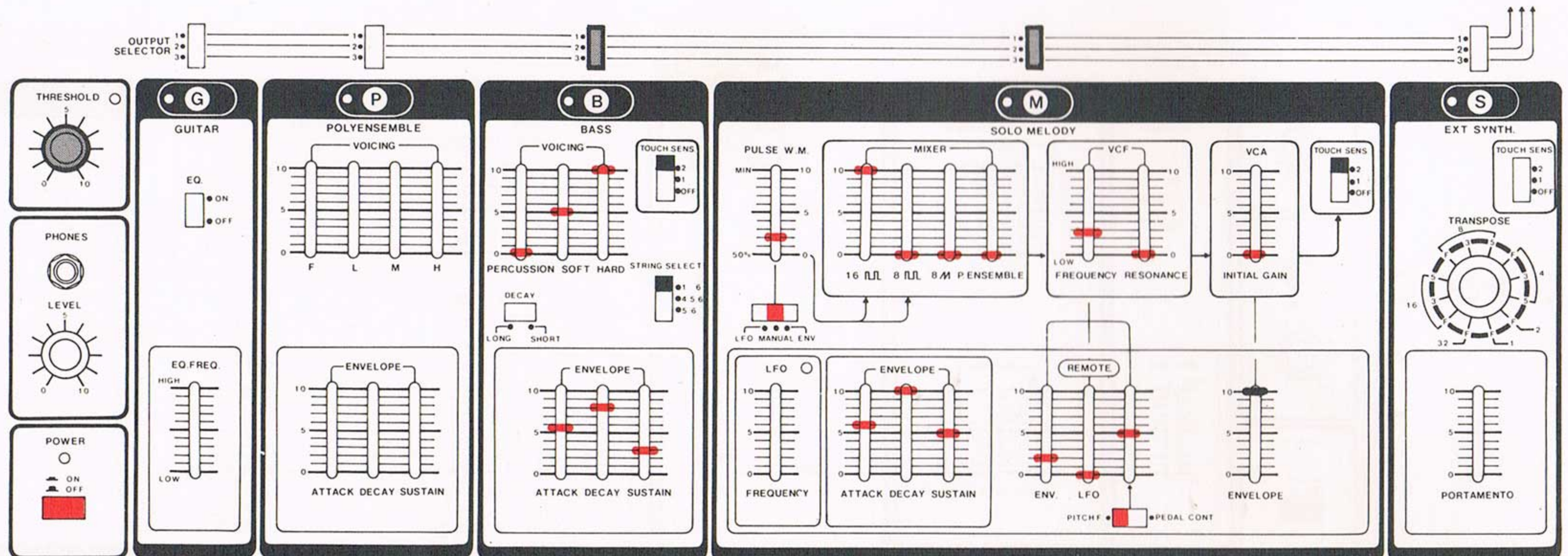
Guitar Controller



The balance between the Bass Section sounds and the Solo Melody Section sounds is very important. Try experimenting to find good sounds.

Sounds like a group of basses and cellos, may be produced with chorus effects from the Roland DC-50 Digital Chorus or the Roland CE-1 Chorus Ensemble.

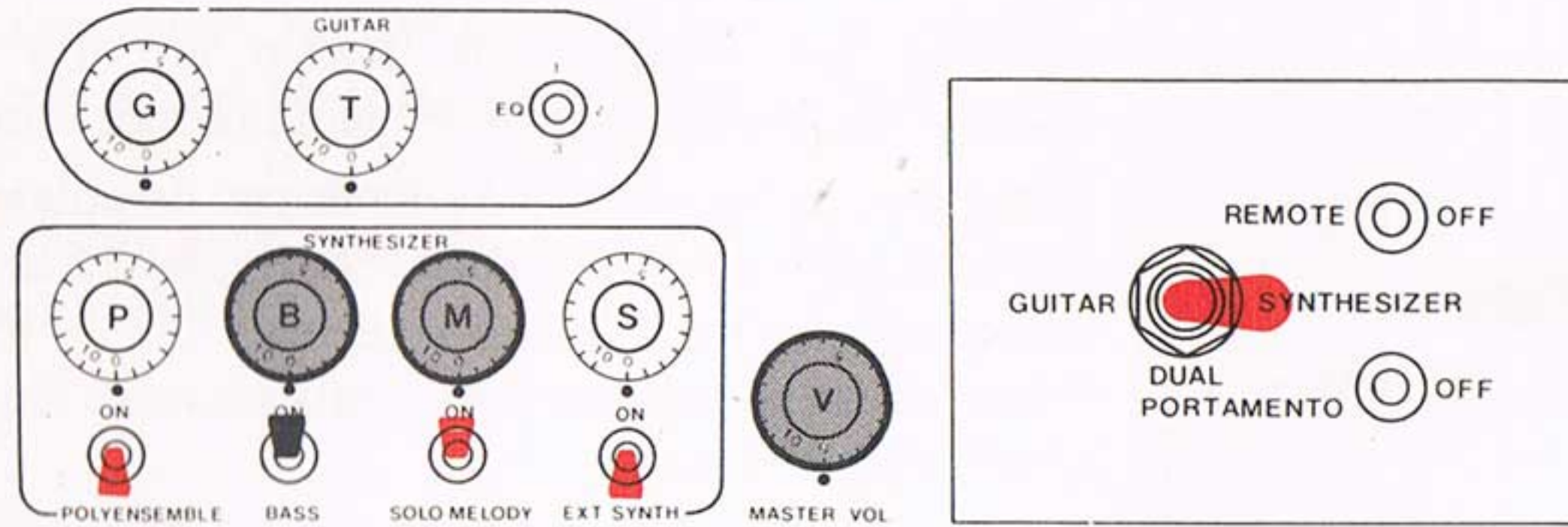
GR-500



PATCH 7

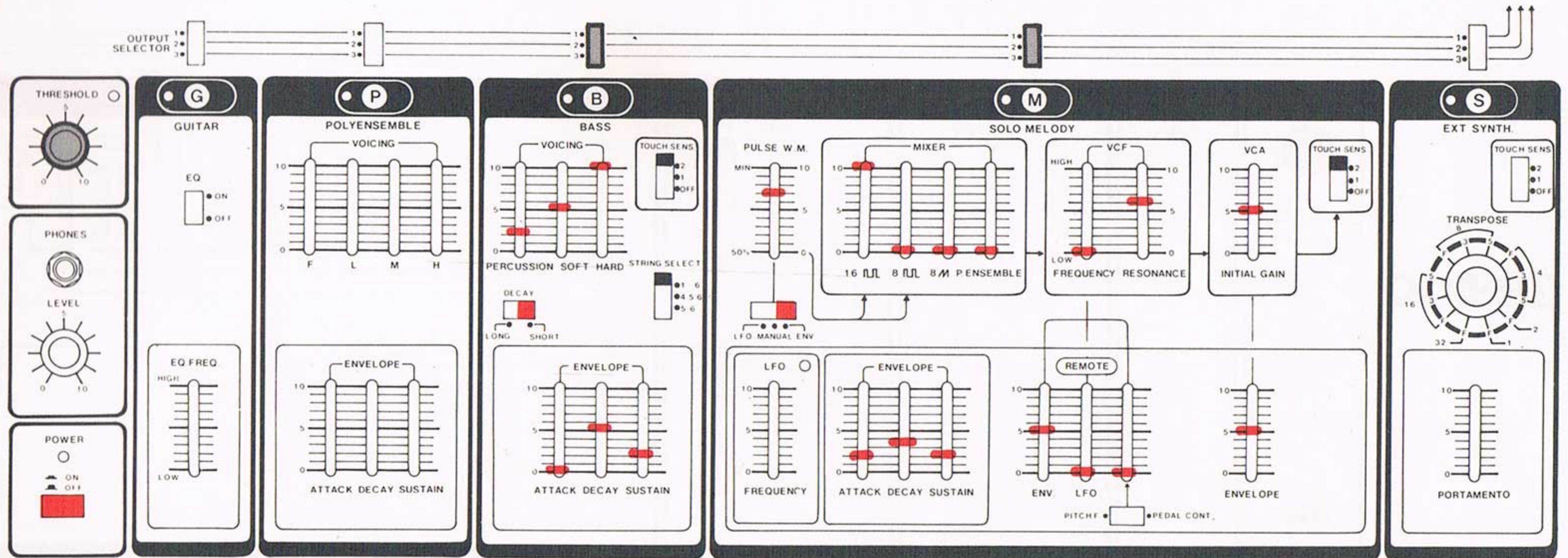
FUNKY BASS (WOW SOUND)

Guitar Controller



Interesting effects can be obtained by mixing the Bass Section sounds with the Solo Melody Section sounds.

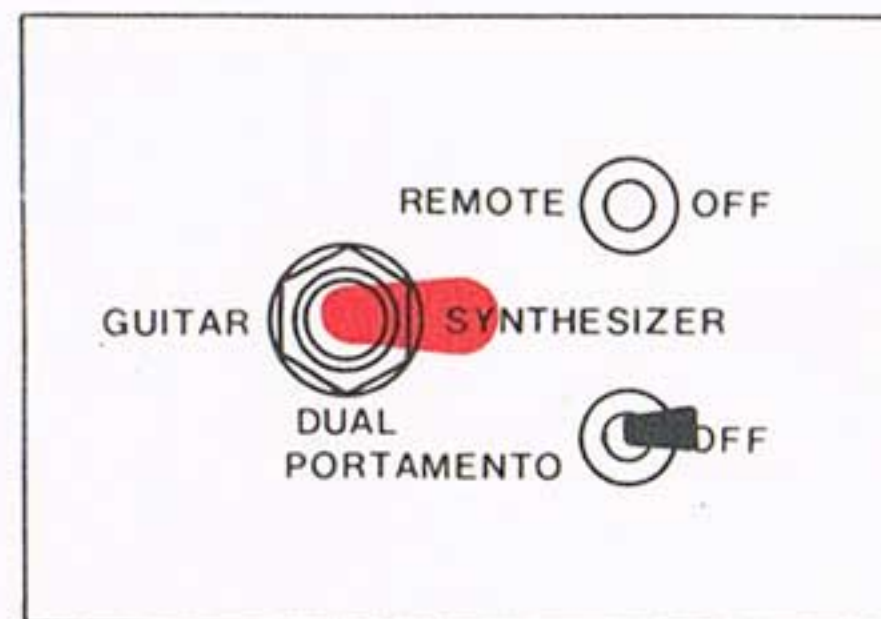
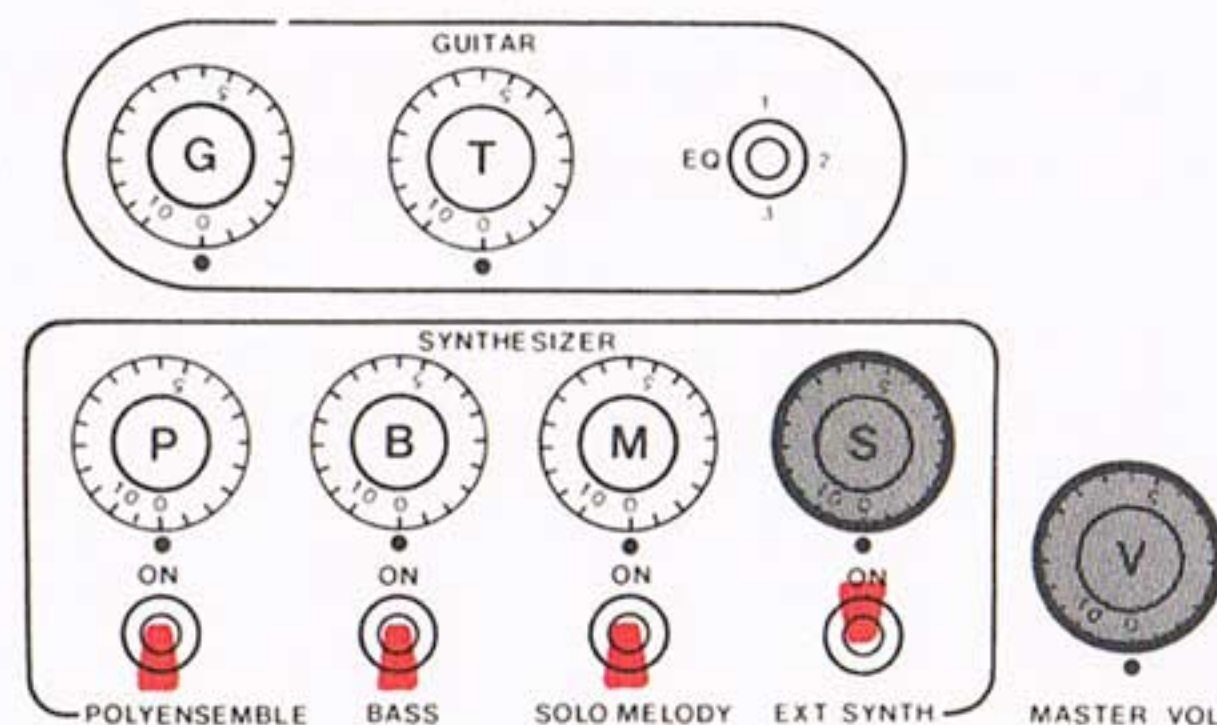
GR-500



PATCH 8-A

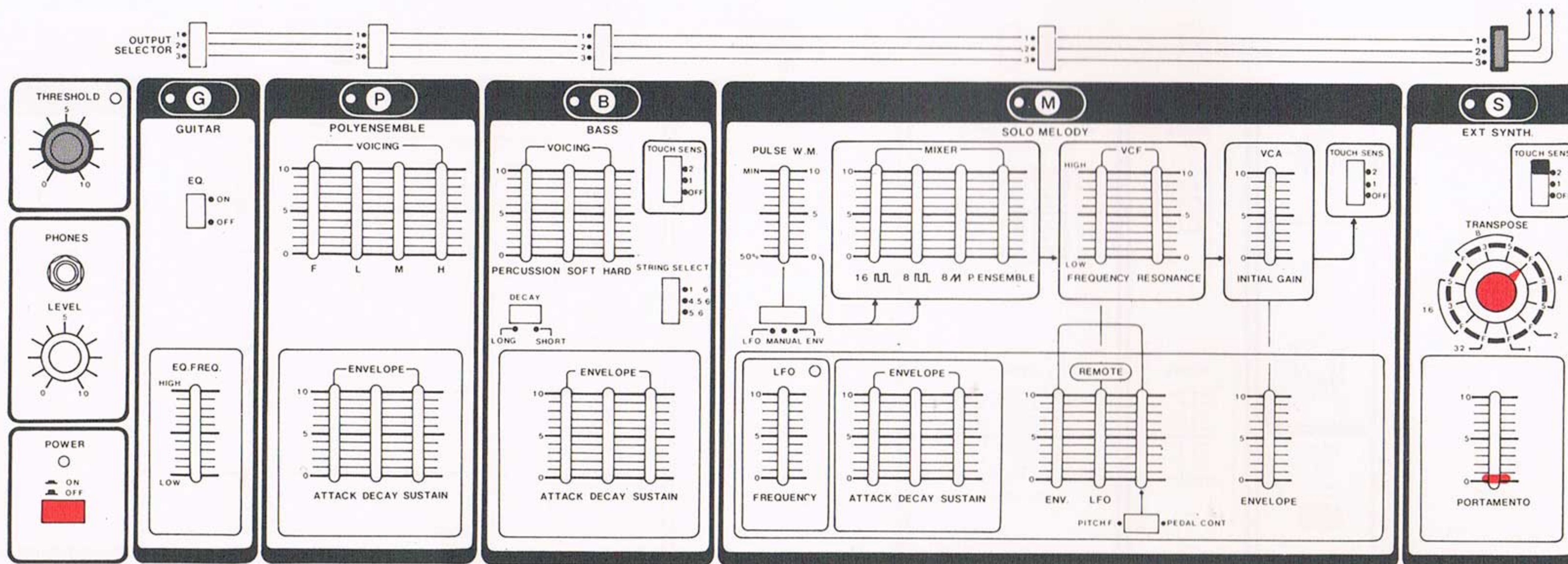
VIOLIN, VIOLA (BOWED)

Guitar Controller



Setting the TRANSPOSE switch at "4'-F" will produce violin-like sounds, and "8'-F" will produce sounds like a viola. Fantastic string ensemble sounds can be obtained using chorus effects from the Roland DC-50 Digital Chorus, CE-1 Chorus Ensemble, or RE-301 Chorus Echo. This patch alone does not produce sound. Combine this with PATCH 8-B or 8-C.

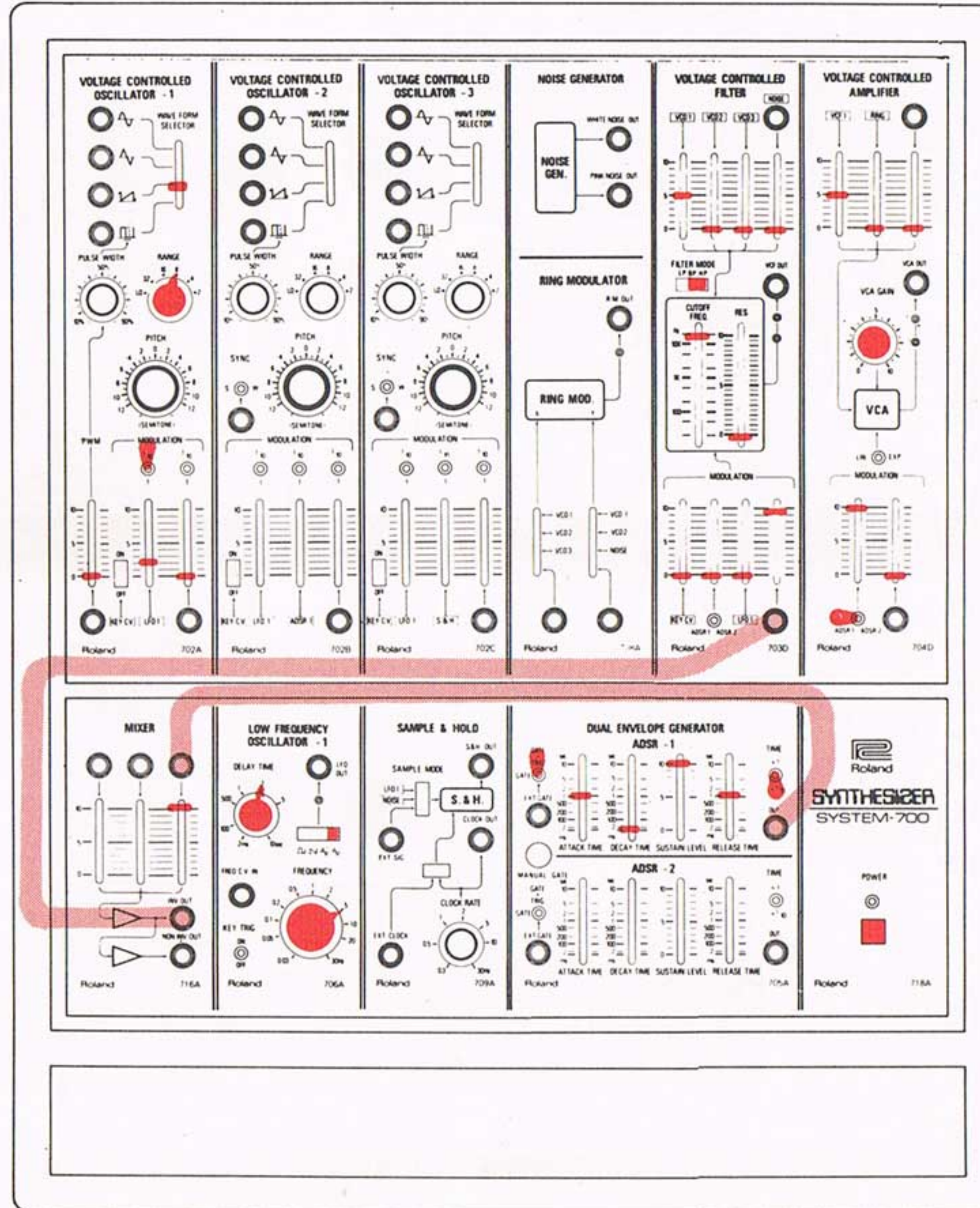
GR-500



PATCH 8-B

Using System 700 Laboratory System (Block 8) as the external synthesizer (see Instruction Manual, page 18 for connection method).

Tune VCO's to unison with the 5th string of the Guitar Controller (at about 110Hz).

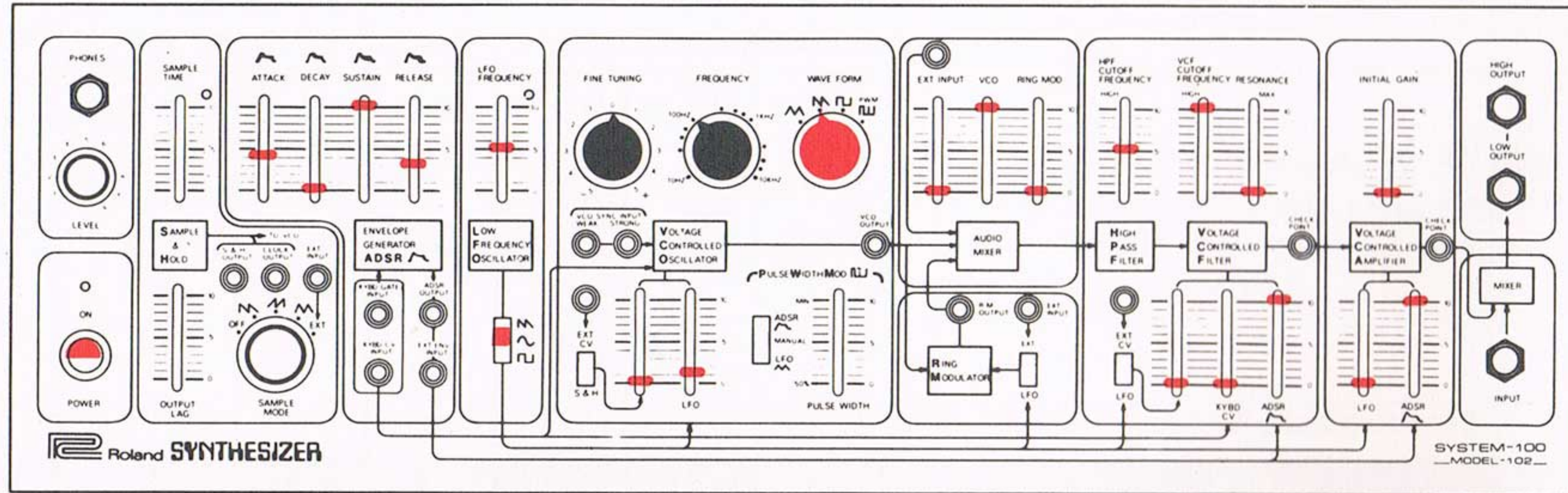


PATCH 8-c

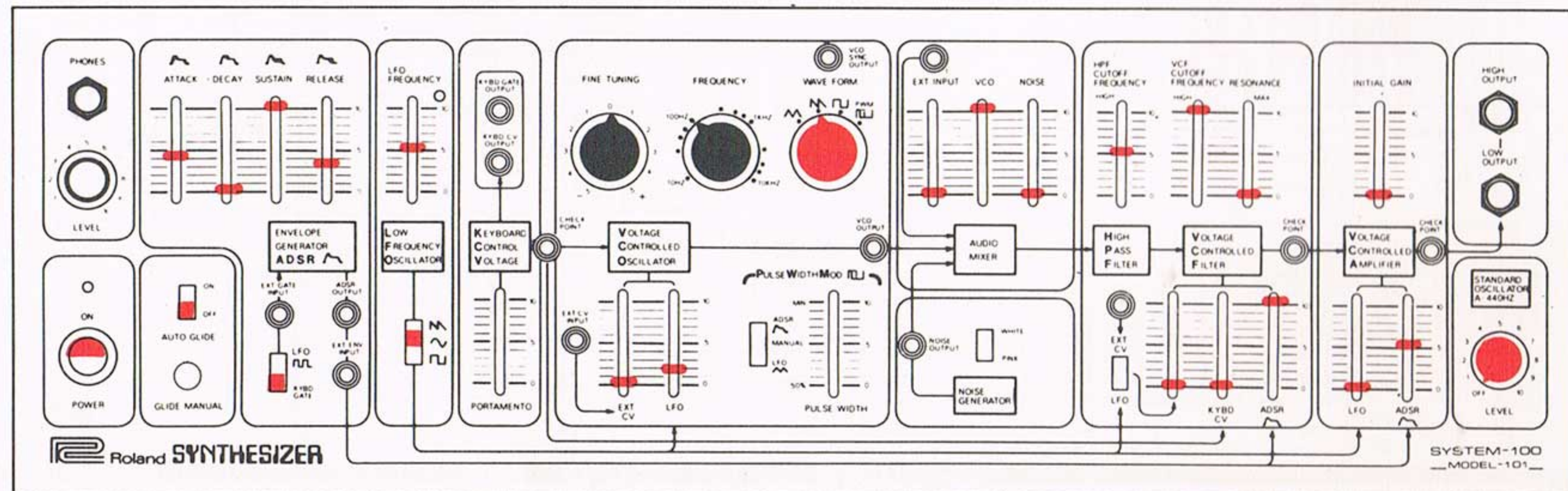
Using System 100 as the external synthesizer (see Instruction Manual, pages 17 and 18 for the connection method).

Tune VCO's to unison with the 5th string of the Guitar Controller (at about 110Hz).

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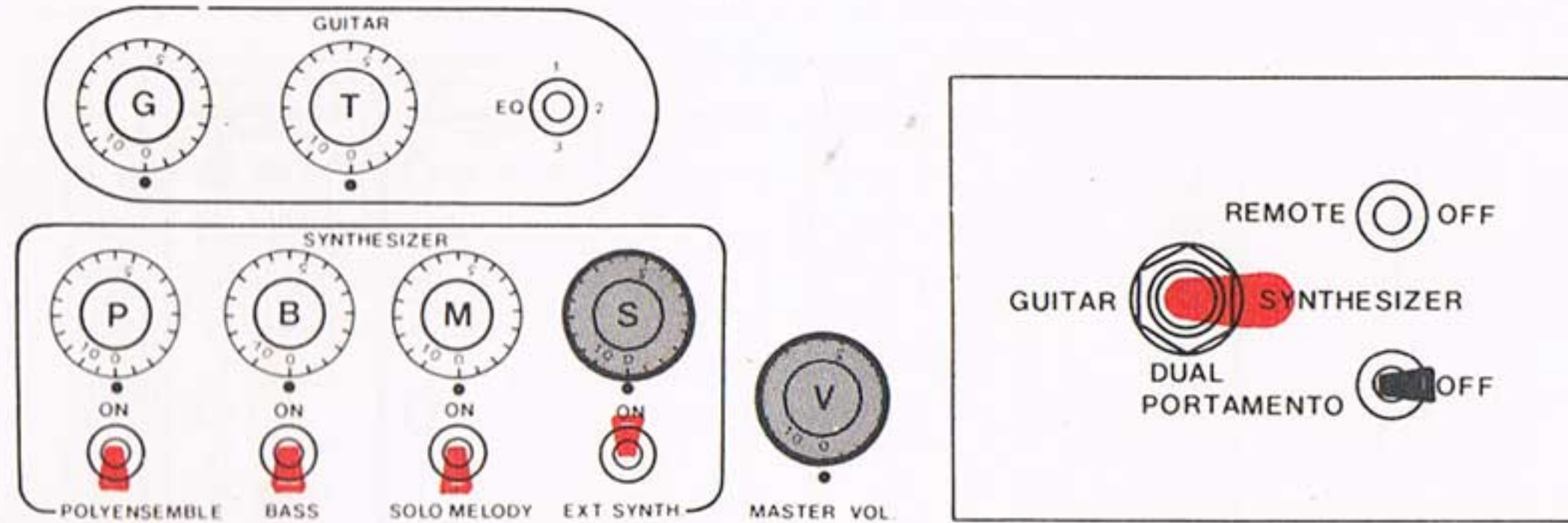
101



PATCH 9-A

TUBA, TROMBONE

Guitar Controller

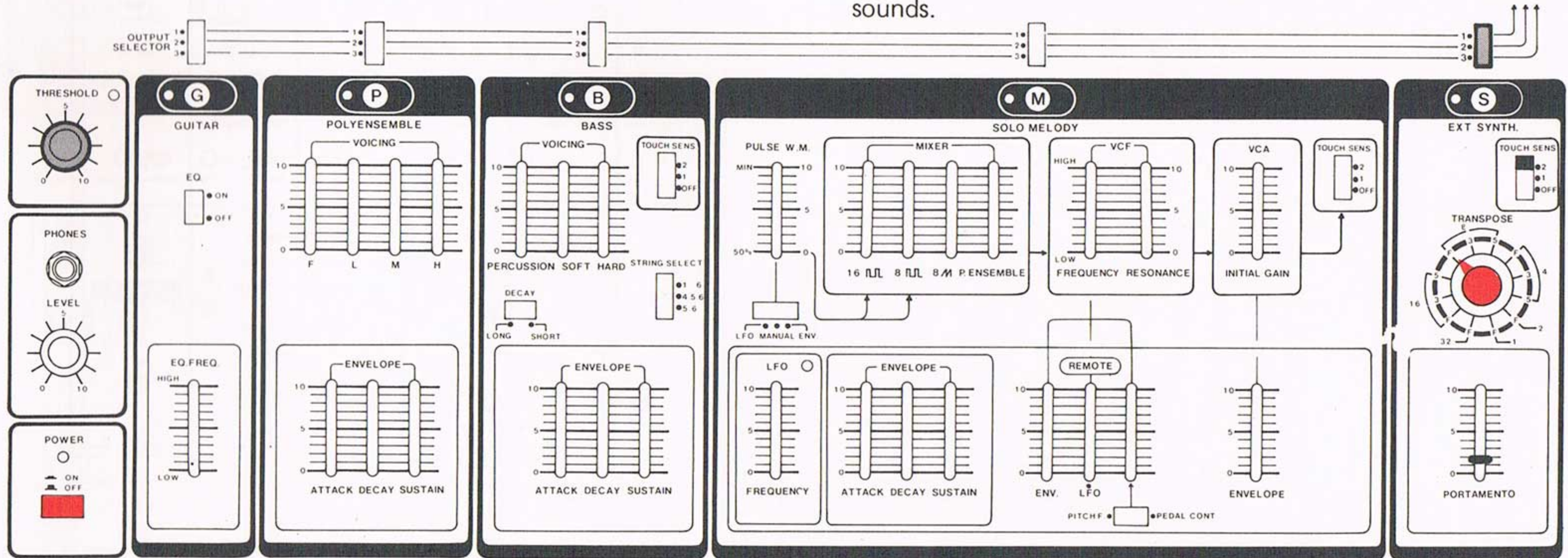


The sounds of a tuba can be produced by setting the TRANSPOSE changeover switch at "16'-F", and also the sounds of a trombone can be produced at "8'-F".

Adjust the portamento time control for proper amount of slide.

By mixing PATCH 2 or 3, and adding chorus effects from the Roland DC-50 Digital Chorus, CE-1 Chorus Ensemble or RE-301 Chorus Echo, you can get fantastic brass ensemble sounds.

GR-500

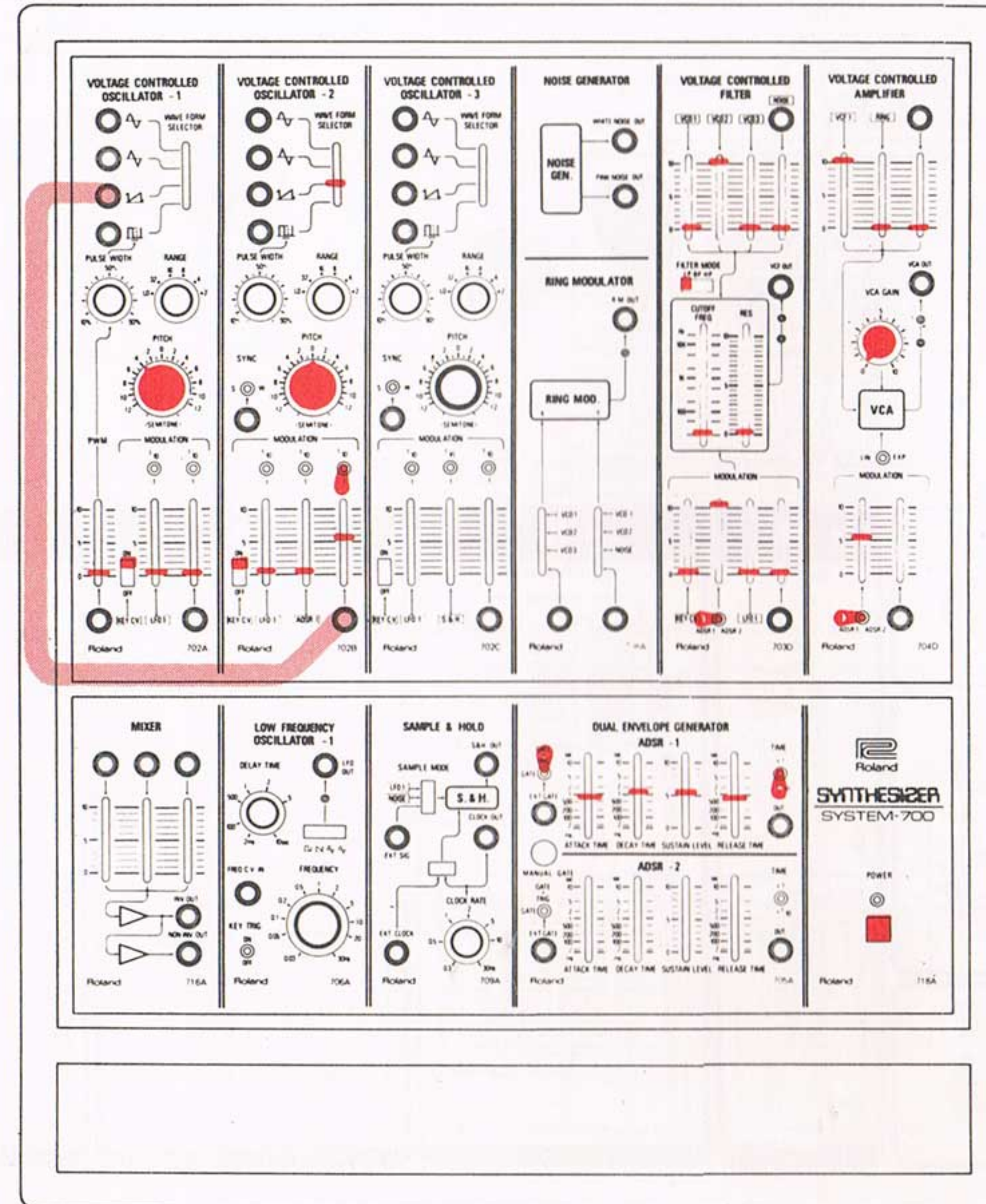


PATCH 9-B

Using System 700 Laboratory System (Block 8) as the external synthesizer.

Tune VCO-1 to unison with the 5th string of the Guitar Controller, and VCO-2 to a perfect 5th above VCO-1 before inserting the patch cord.

After connection, raise the external modulation controller of VCO-2 so that it sounds "unison-like" (no beat) or almost so.

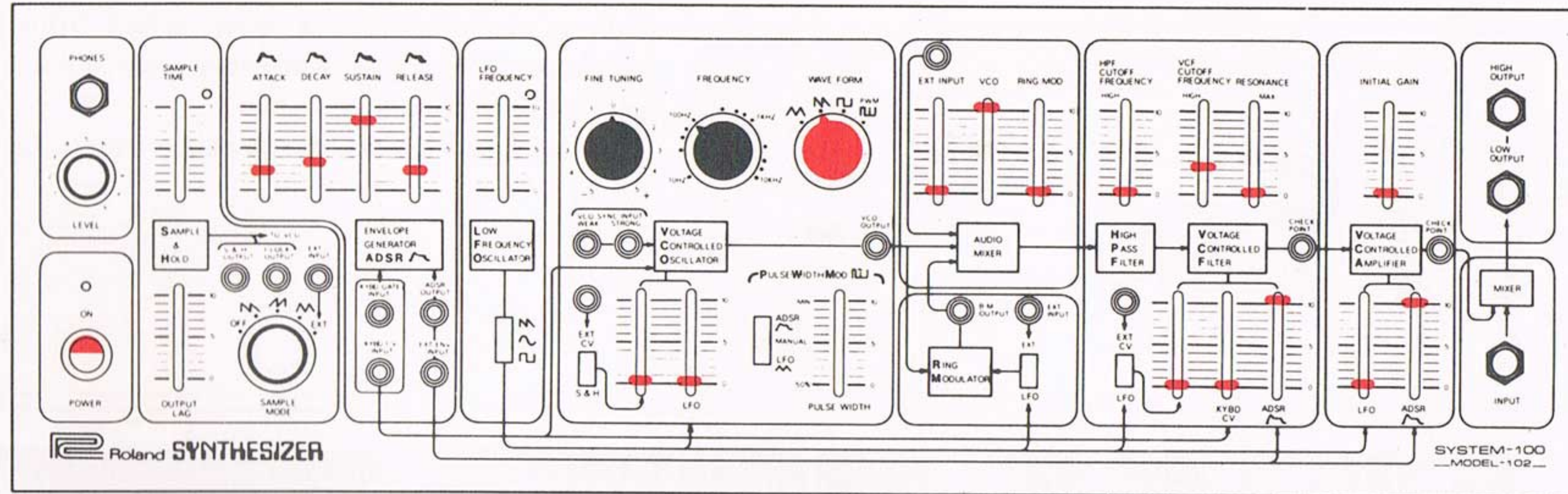


PATCH 9-c

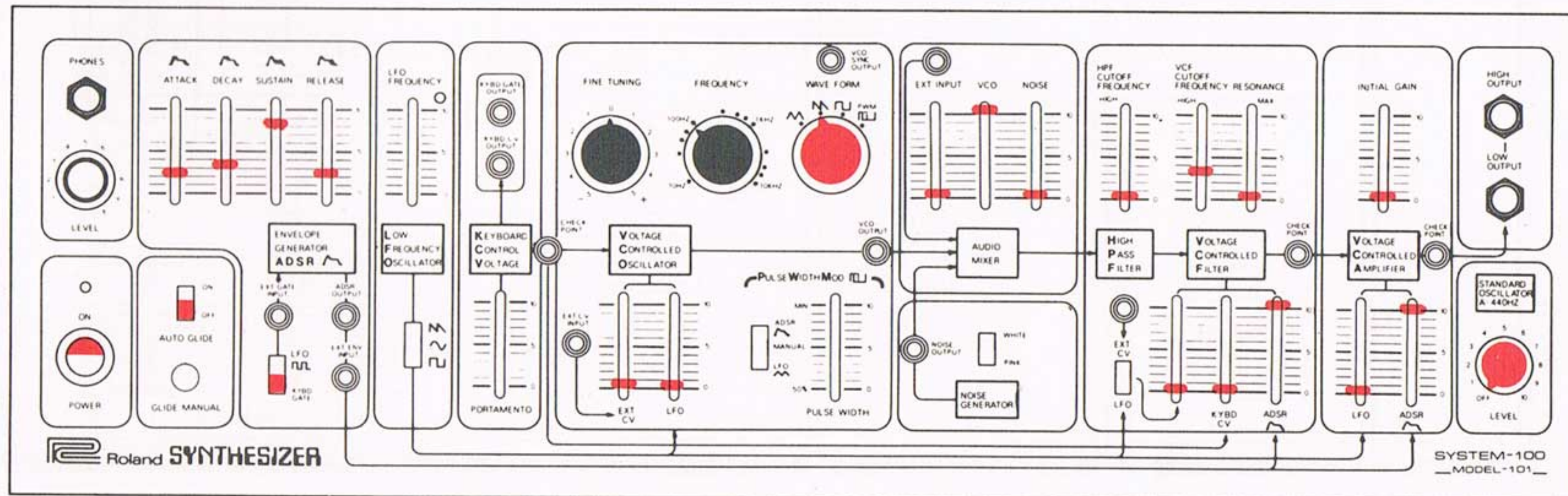
Using System 100 as the external synthesizer.

Tune VCO's to unison with the 5th string of the Guitar Controller (at about 110Hz).

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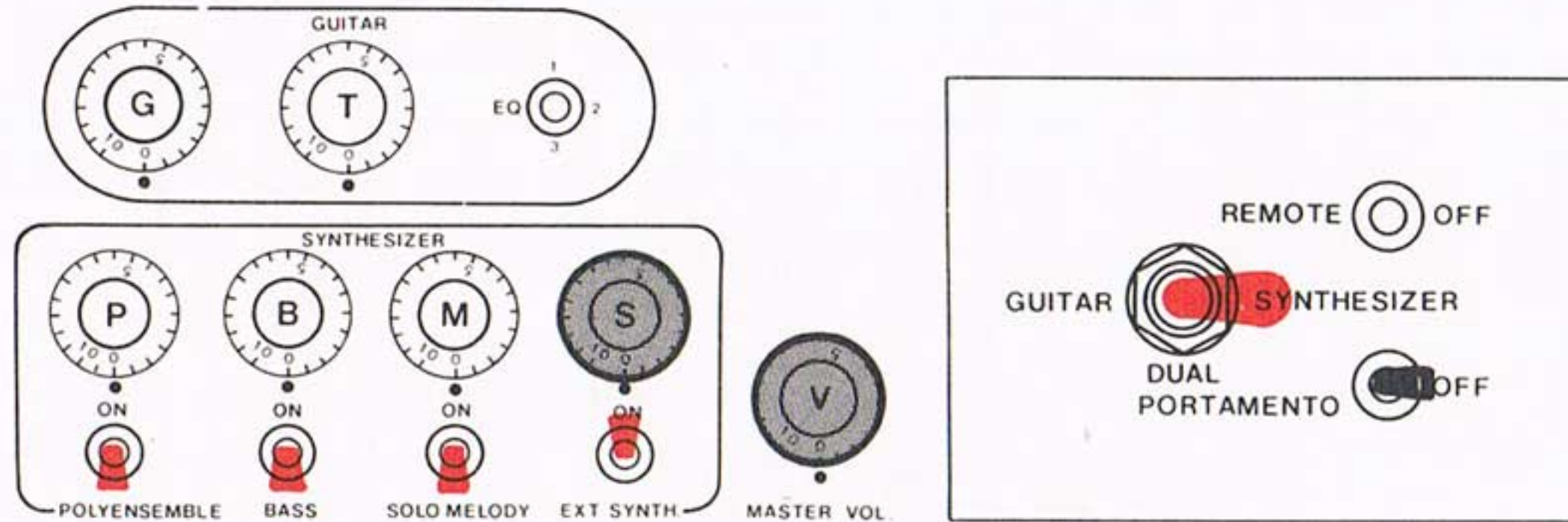
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PATCH 10-A

WHISTLER

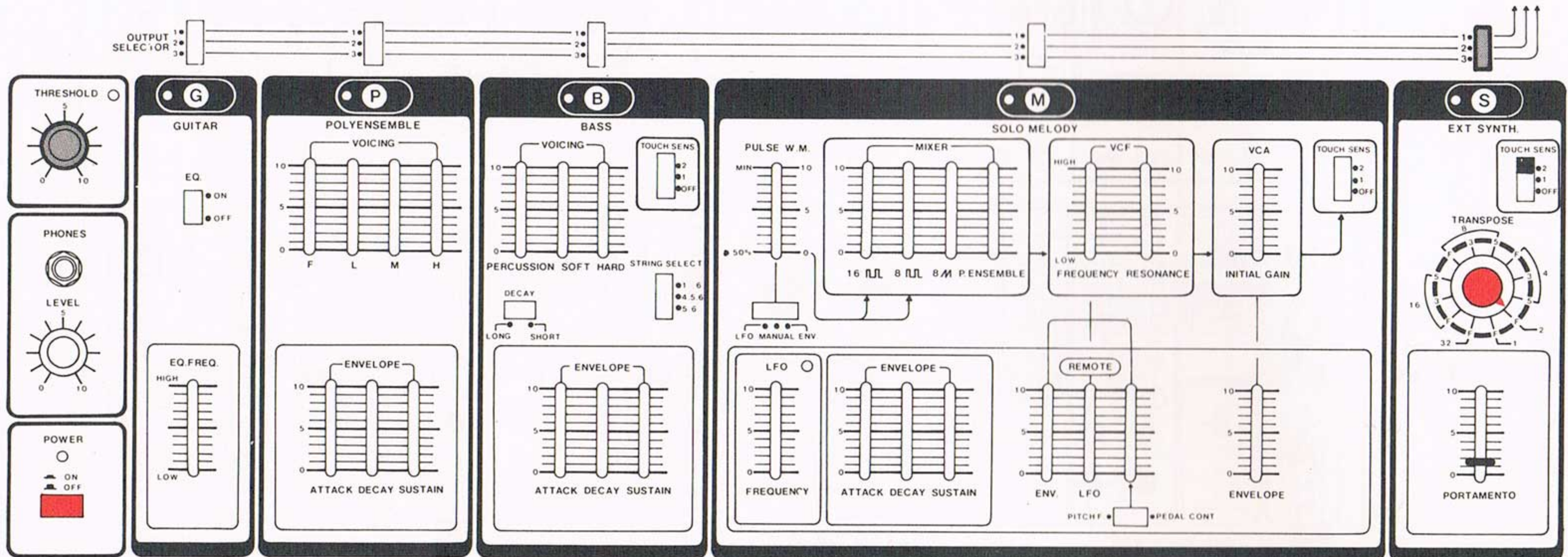
Guitar Controller



Adding reverberation or echo effect from the Roland RE series echo machines will make your sounds more beautiful and spacious sounding.

This patch alone does not produce sound. Combine this with PATCH 10-B.

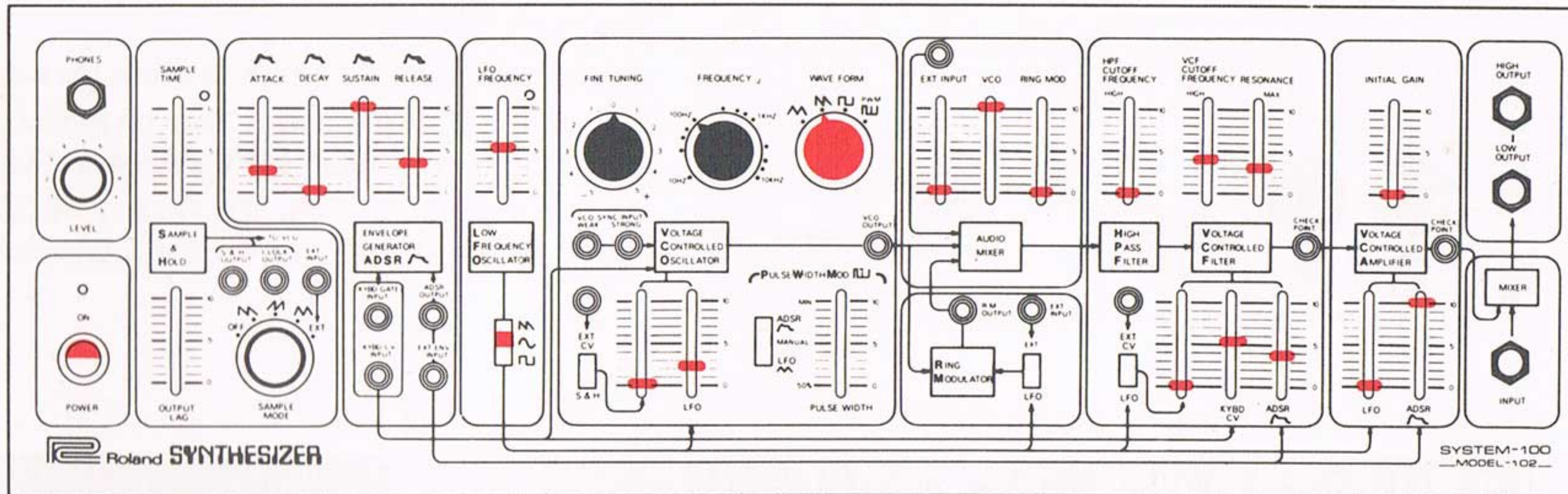
GR-500



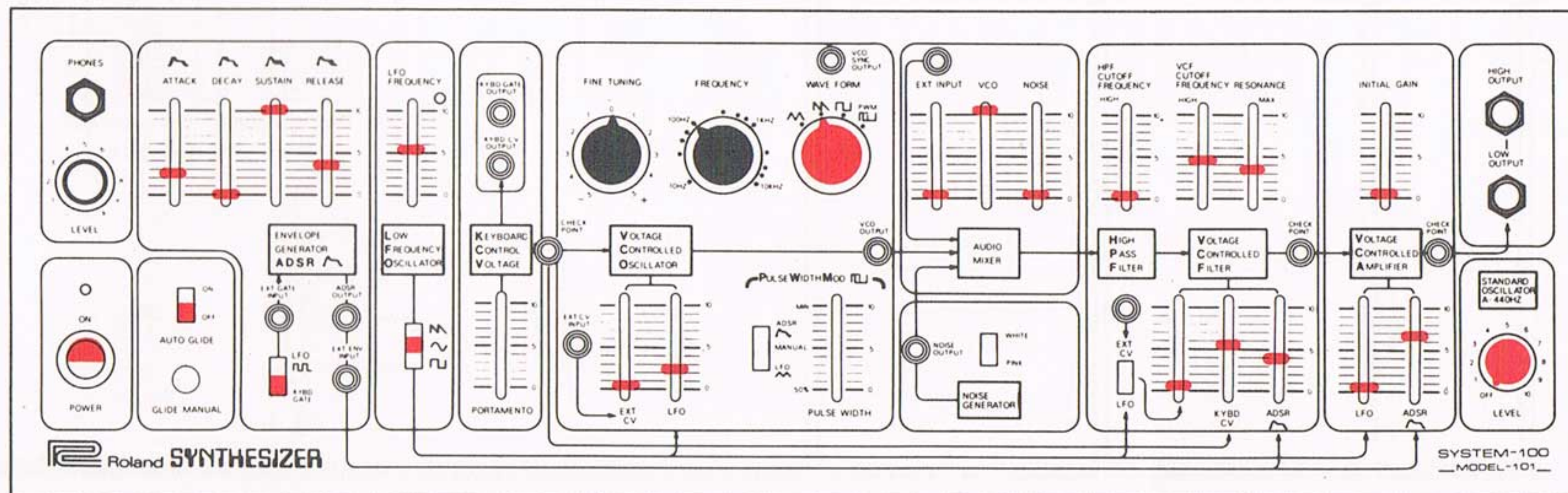
PATCH 10-B

Using System 100 as the external synthesizer.
Tune VCO's to unison with the 5th string of the Guitar Controller (at about 110Hz).

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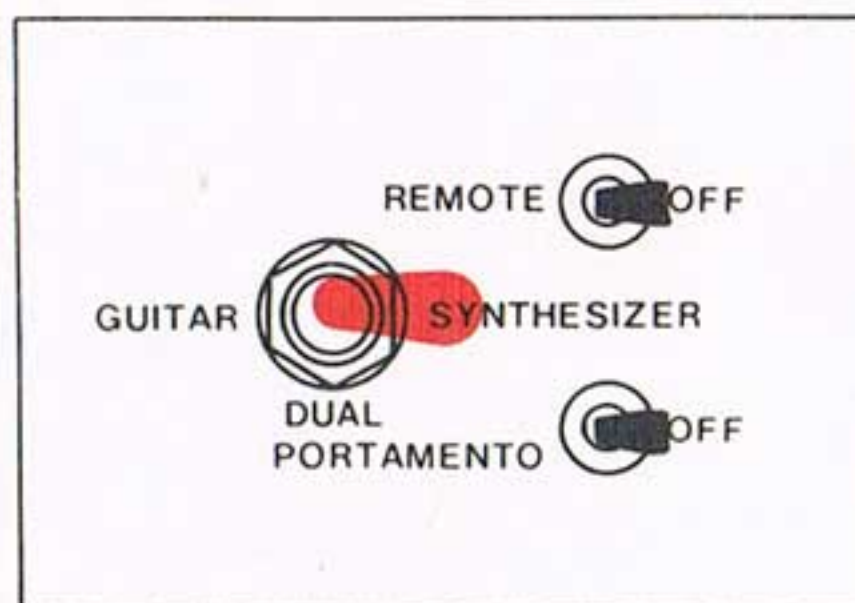
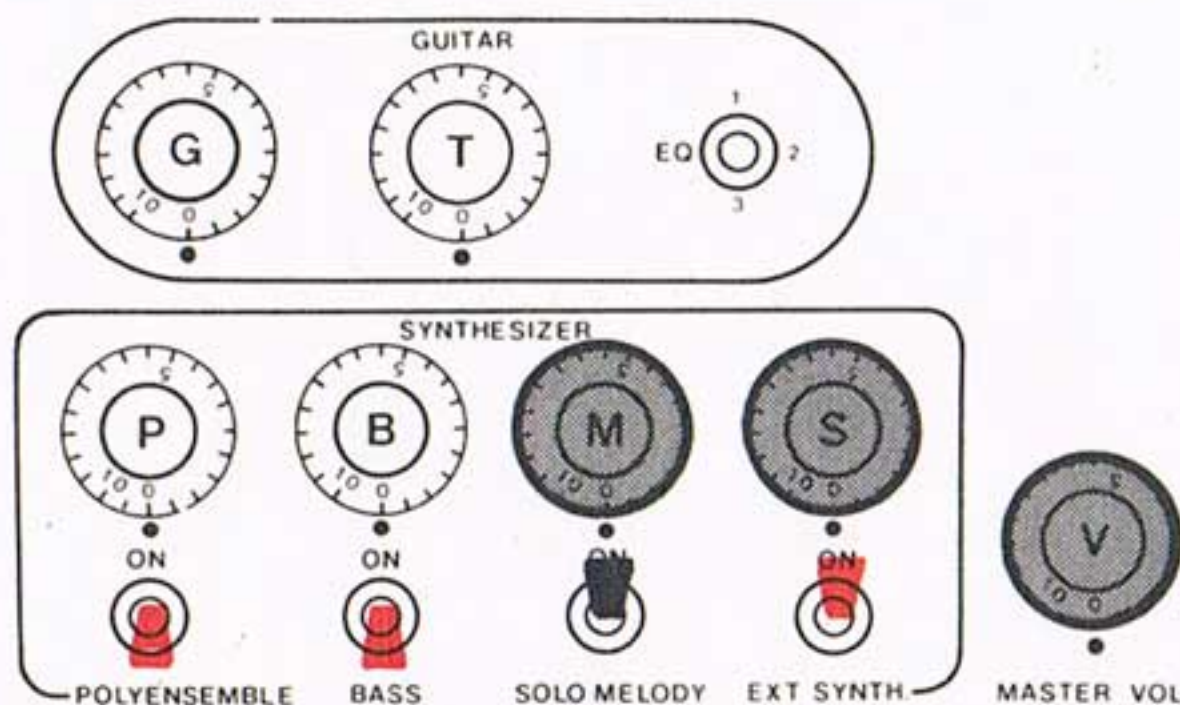
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PATCH 11-A

HUMAN VOICE (SOPRANO)

Guitar Controller

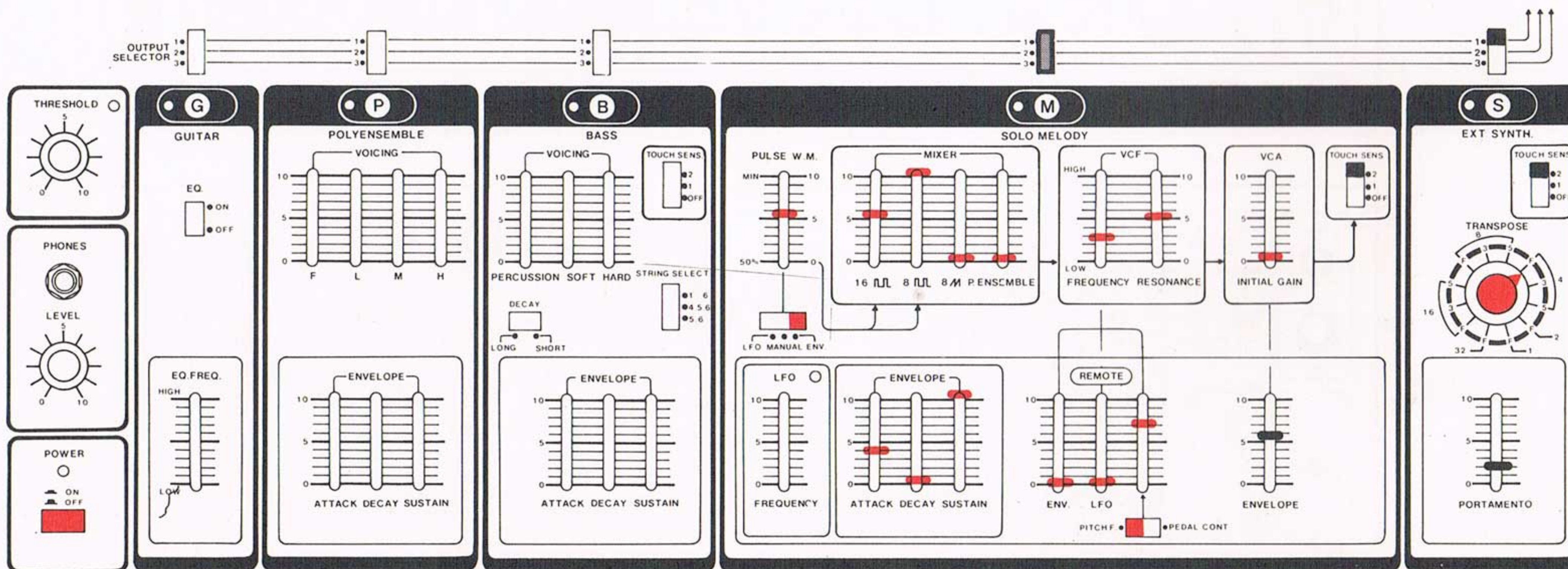


Use a little portamento.

The External Synthesizer will produce the soprano voice.

Sounds like a mixed chorus may be produced by using both the Solo Melody Section and the External Synthesizer Section. Add chorus effects from the Roland RE-301 Chorus Echo, DC-50 Digital Chorus or CE-1 Chorus Ensemble.

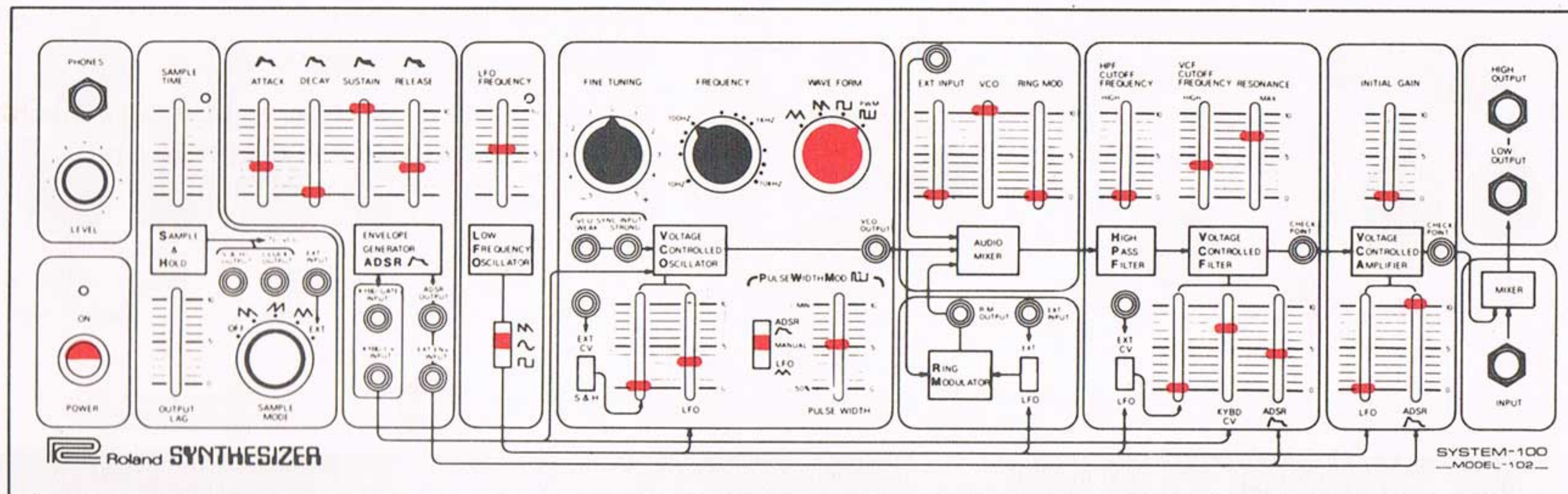
GR-500



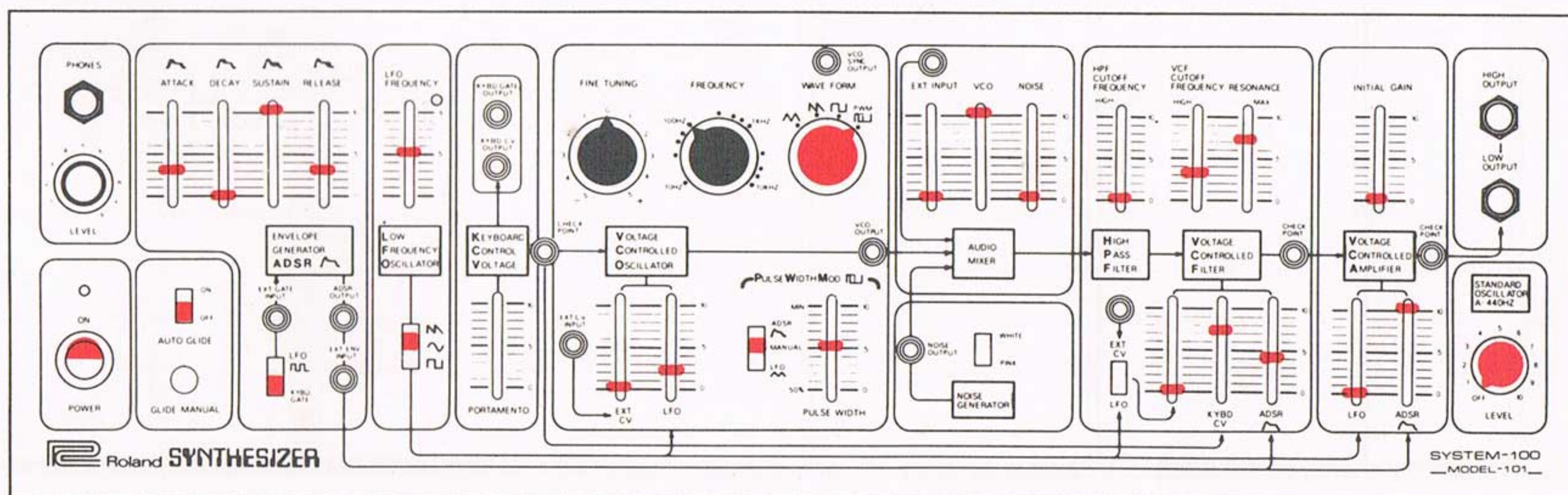
PATCH 11-B

Using System 100 as the external synthesizer
Tune VCO's to unison with the 5th string of the Guitar
Controller (at about 110Hz).

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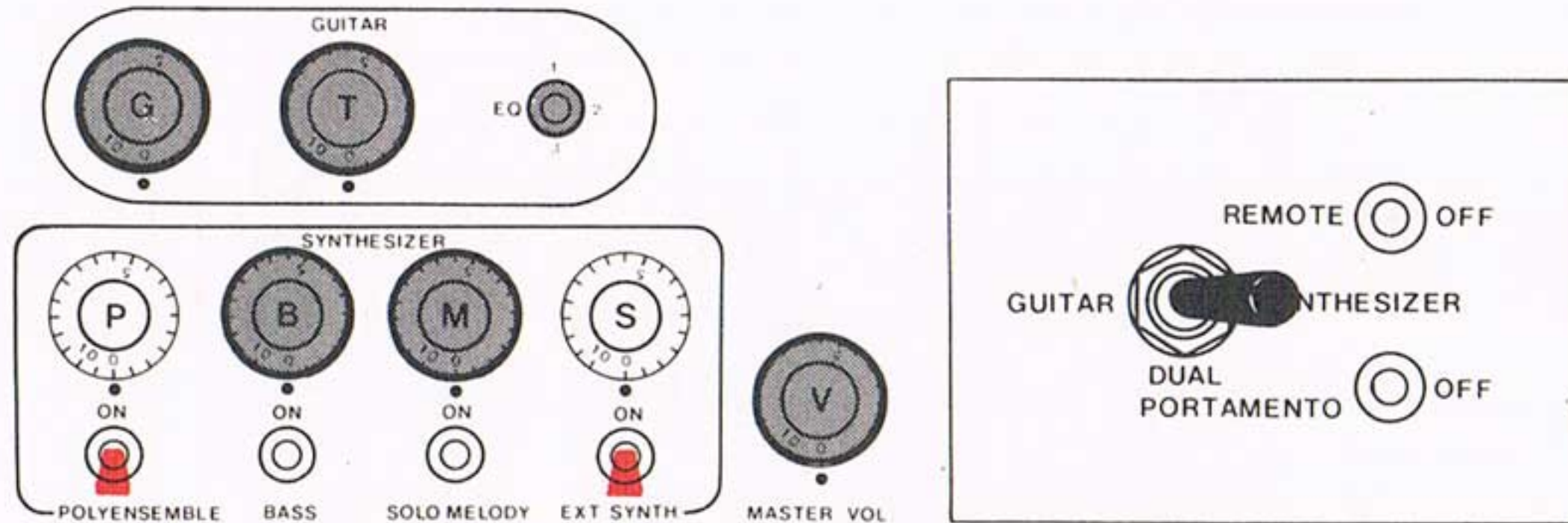
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PATCH 12

ORDINARY GUITAR WITH EFFECTS

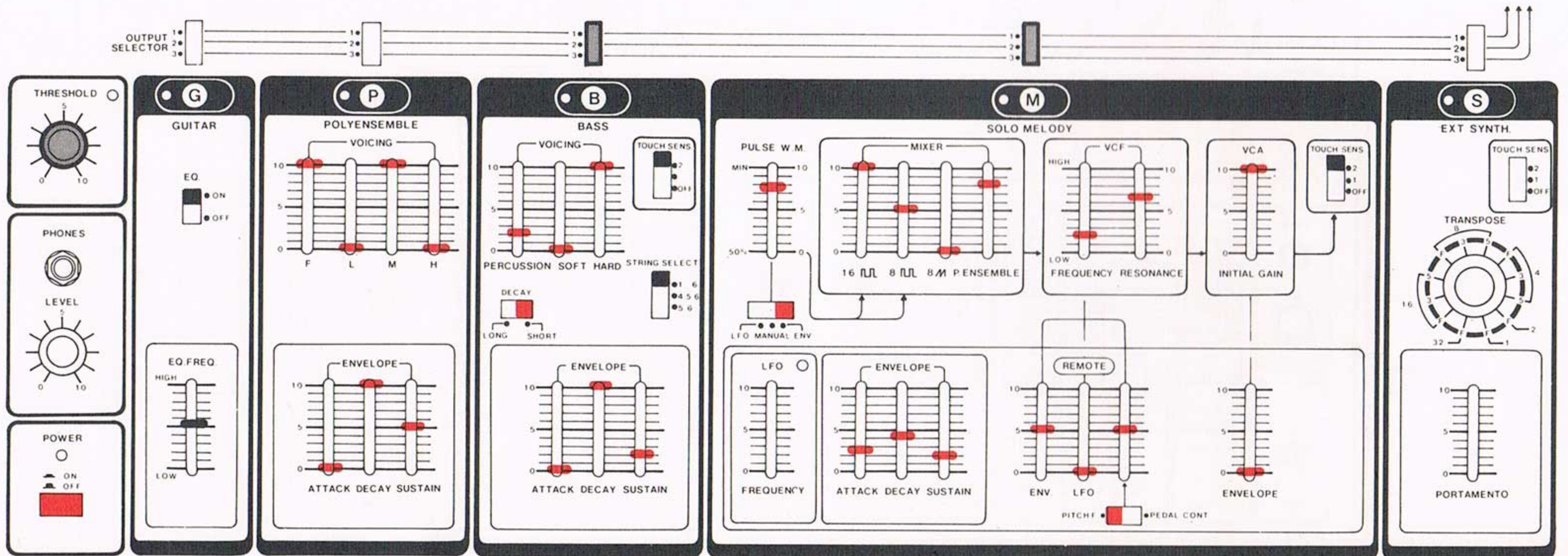
Guitar Controller



Using the Guitar Section with the Bass Section will produce sounds like an "octaver" effect.

The Solo Melody Section will produce much the same effects as octaver, auto-wow and distortion units.

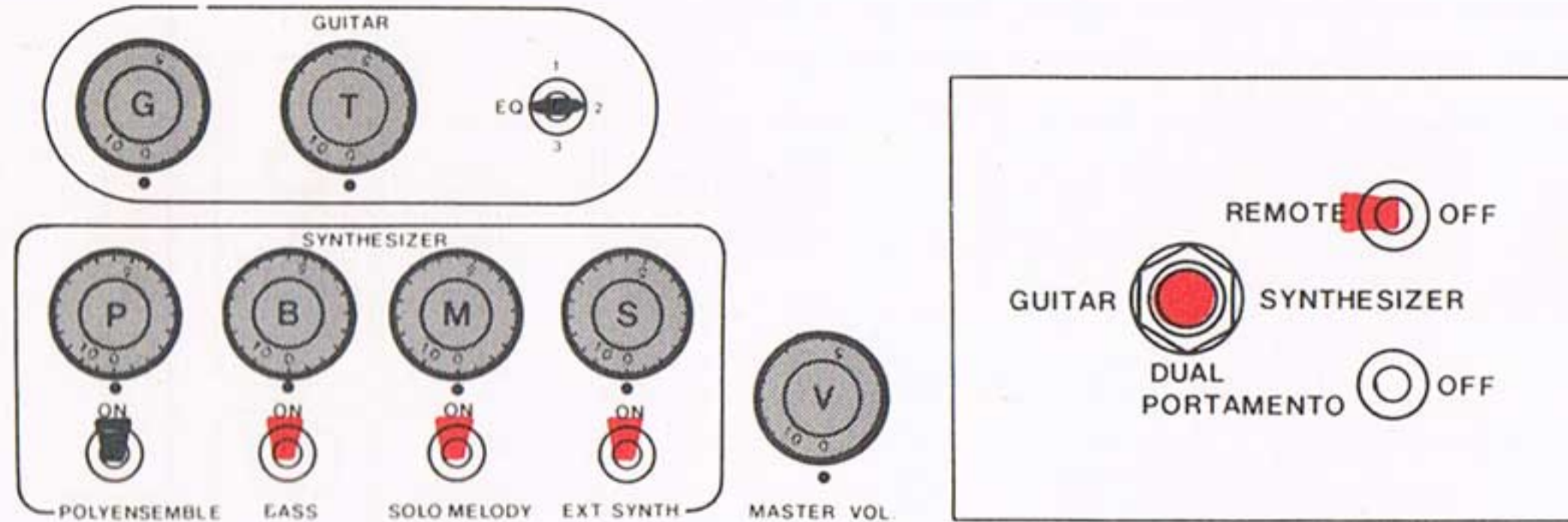
GR-500



PATCH 13-A

ENSEMBLE EXAMPLE FOR ARPEGGIO

Guitar Controller

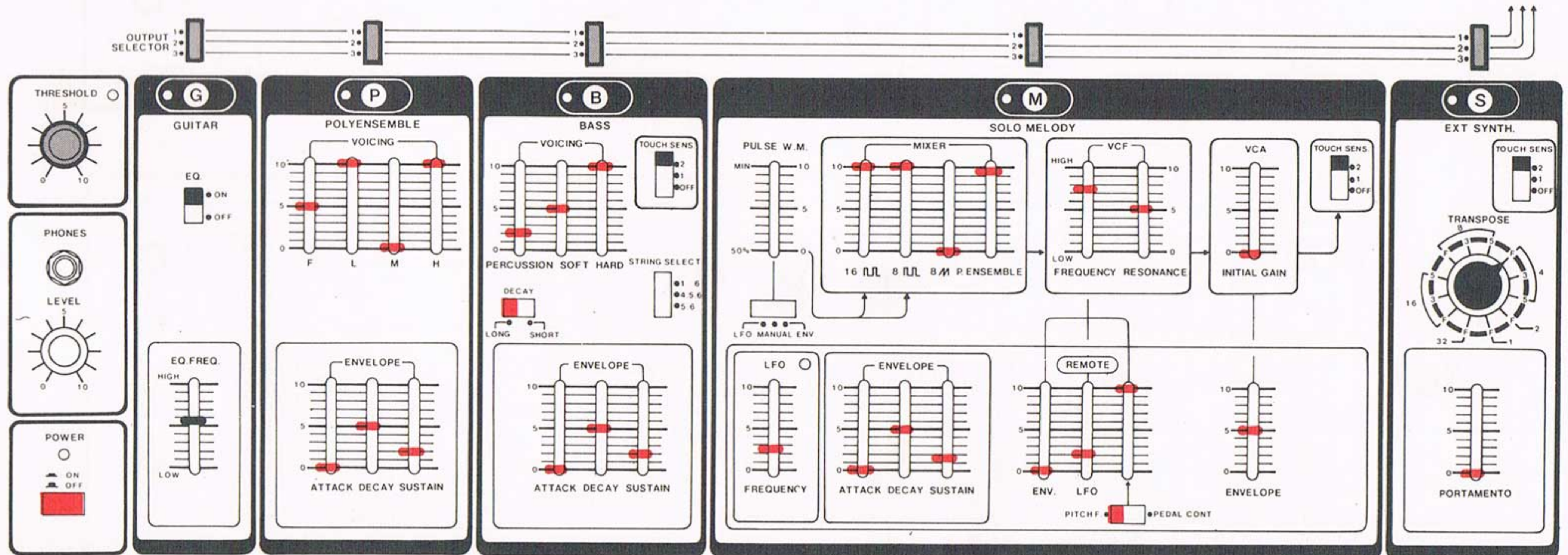


Set the Bass Section ON/OFF switch on the Guitar Controller and the String Select switch as desired.

With chorus and echo effects from the Roland RE Series echo machines, DC-50 Digital Chorus, or CE-1 Chorus Ensemble, you can make your sounds more beautiful.

Try experimenting to create your own ensemble.

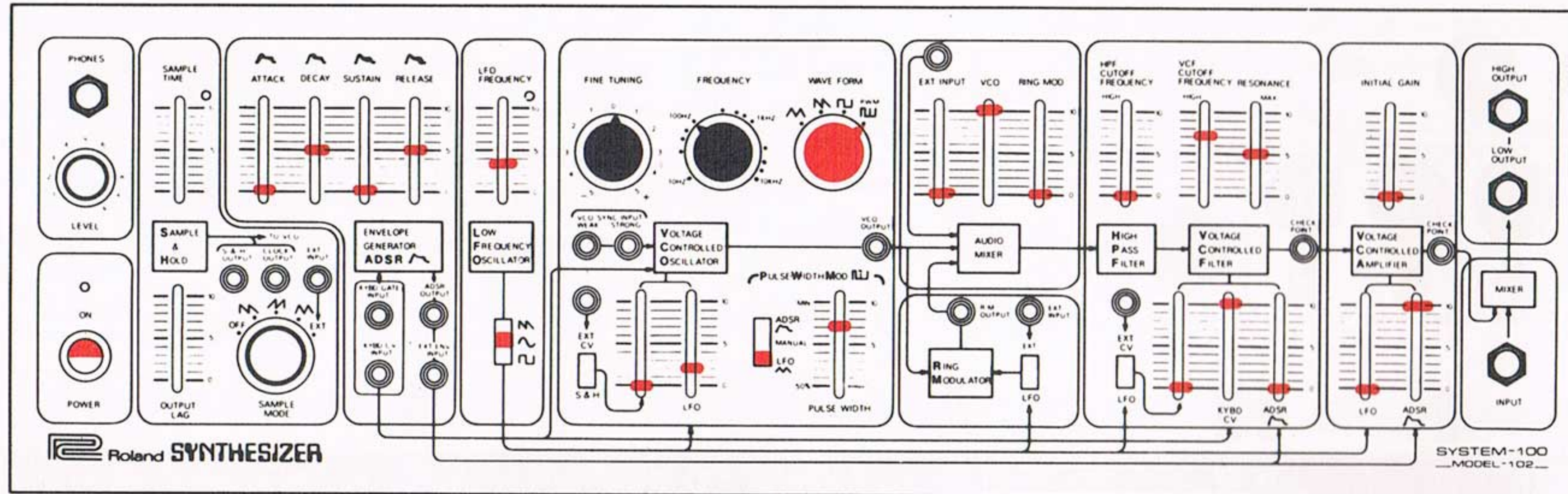
GR-500



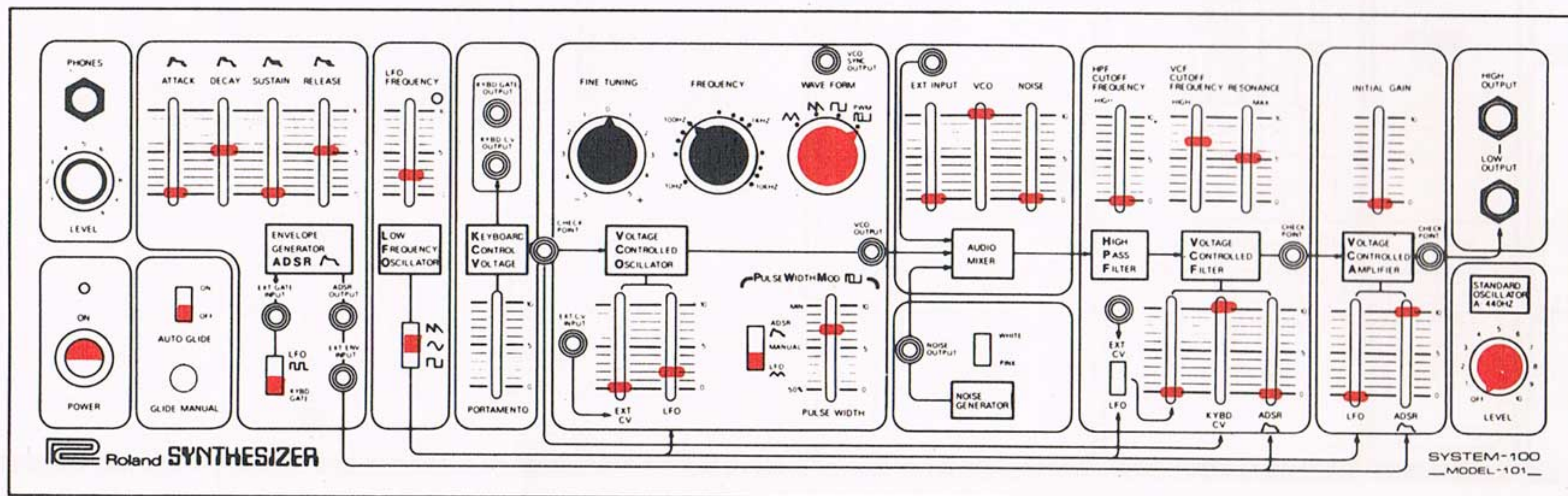
PATCH 13-B

Using System 100 as the external synthesizer.
Tune VCO's to unison with the 5th string of the Guitar
Controller (at about 110Hz).

102



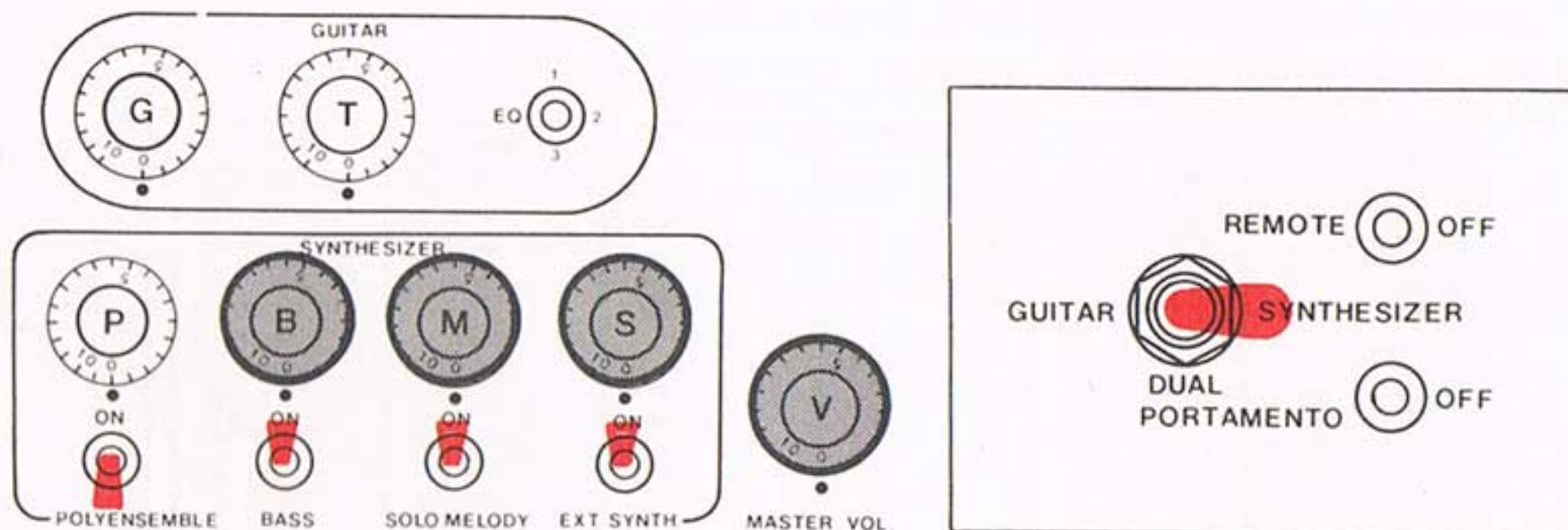
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PATCH 14-A

STRING ENSEMBLE

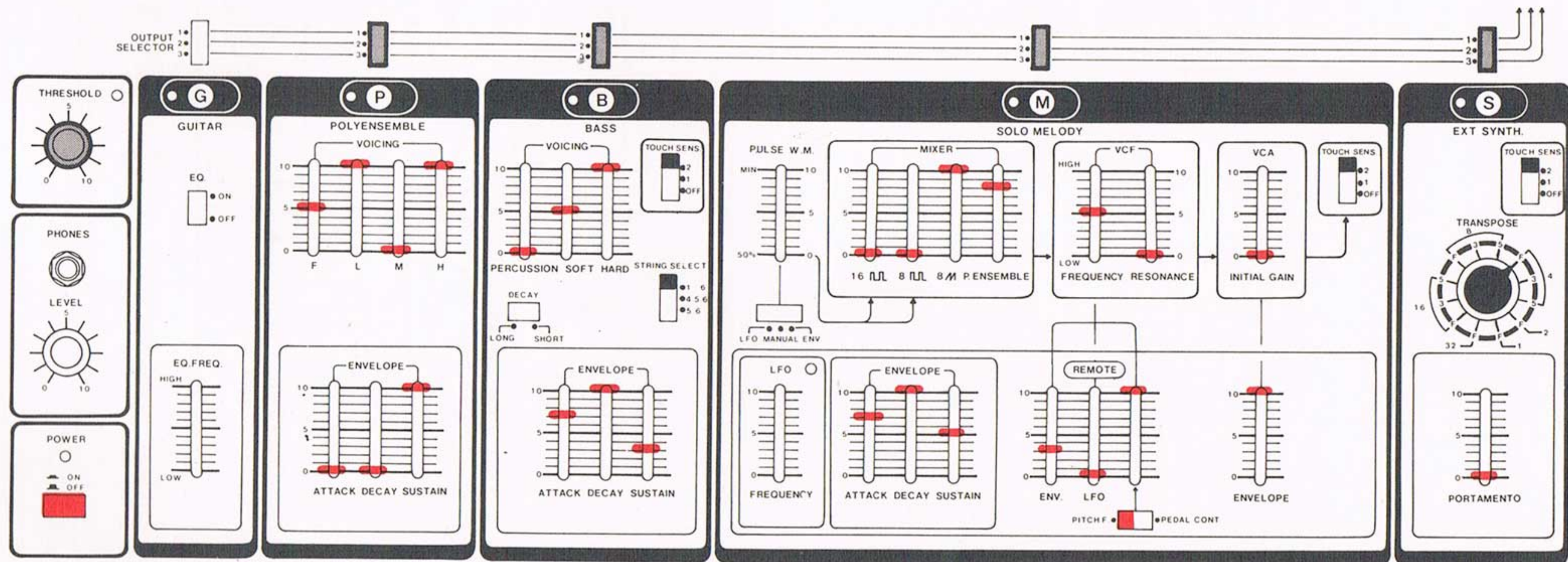
Guitar Controller



Set the TRANSPOSE switch of the External Synthesizer Section to the desired position.

Much more beautiful and fantastic sounds can be obtained with chorus and echo effects from the Roland RE Series Echo Machines, DC-50 Digital Chorus, or CE-1 Chorus Ensemble (see Instruction Manual, page 18).

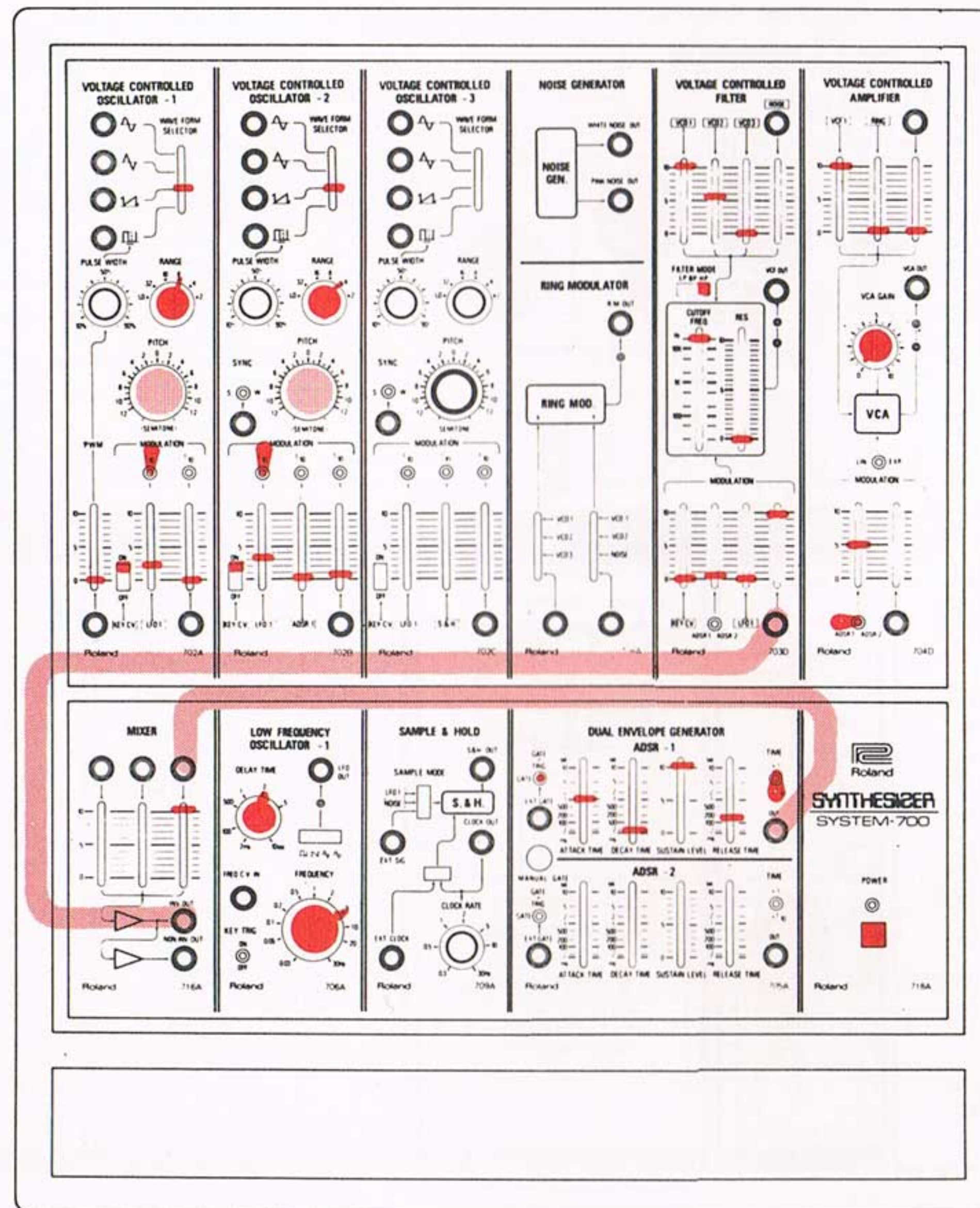
GR-500



PATCH 14-B

Using System 700 Laboratory System (Block 8) as the external synthesizer.

Tune VCO's to unison with the 5th string of the Guitar Controller (at about 110Hz).

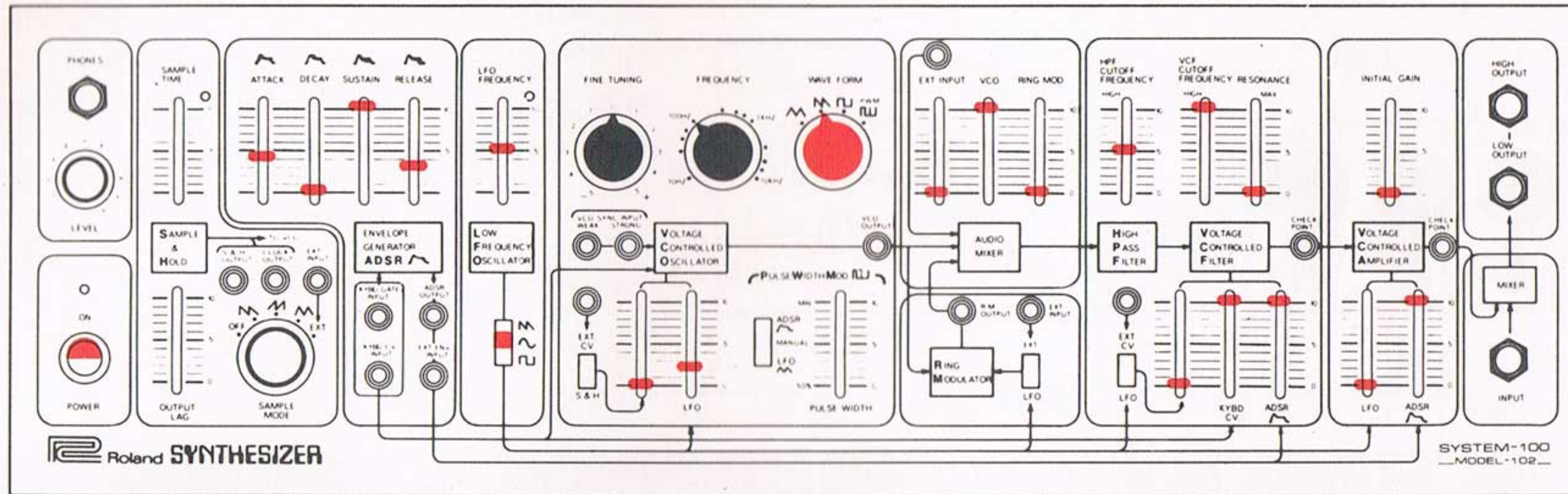


PATCH 14-c

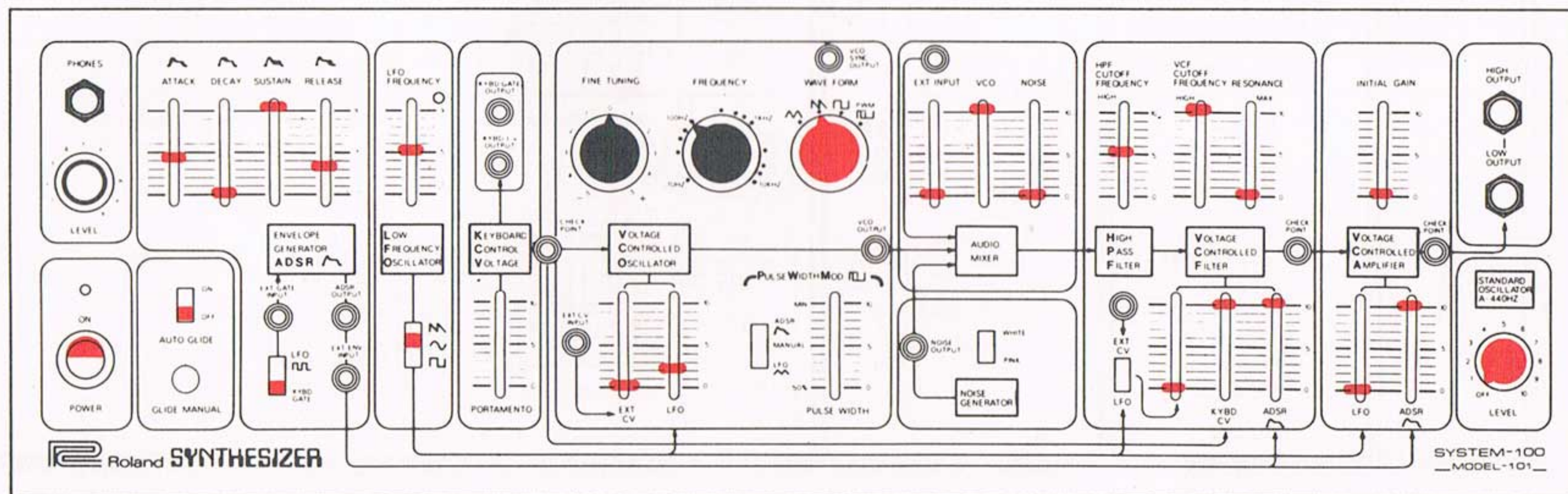
Using System 100 as the external synthesizer.

Tune VCO's to unison with the 5th string of the Guitar Controller (at about 110Hz).

102

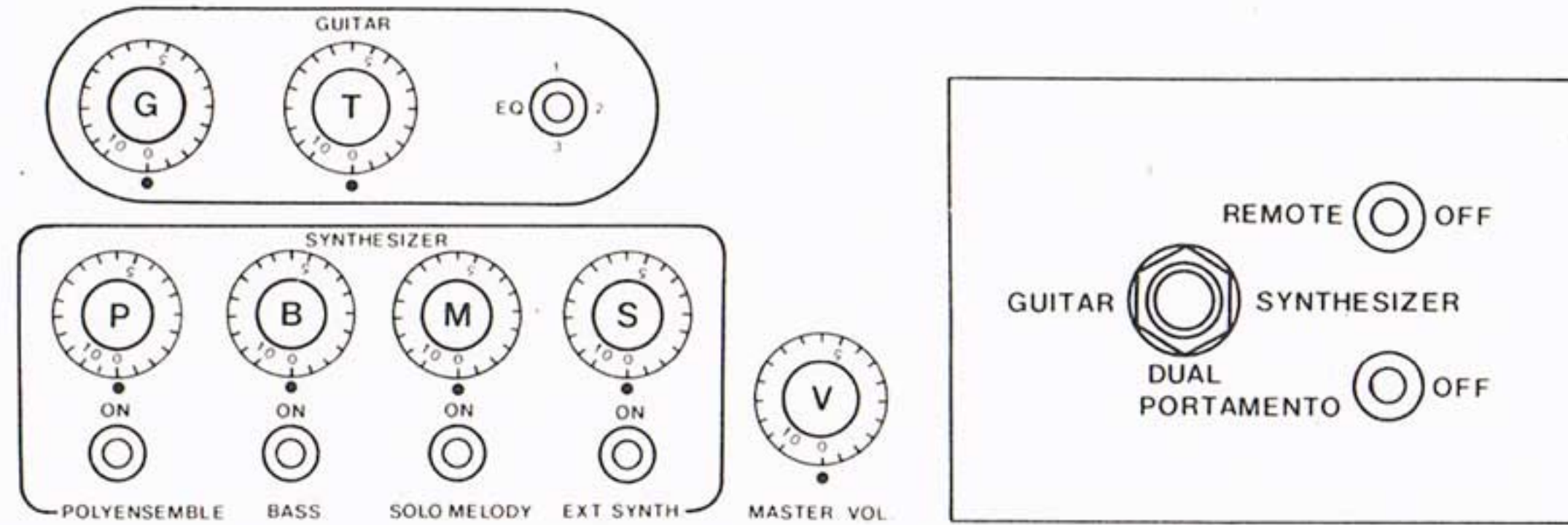


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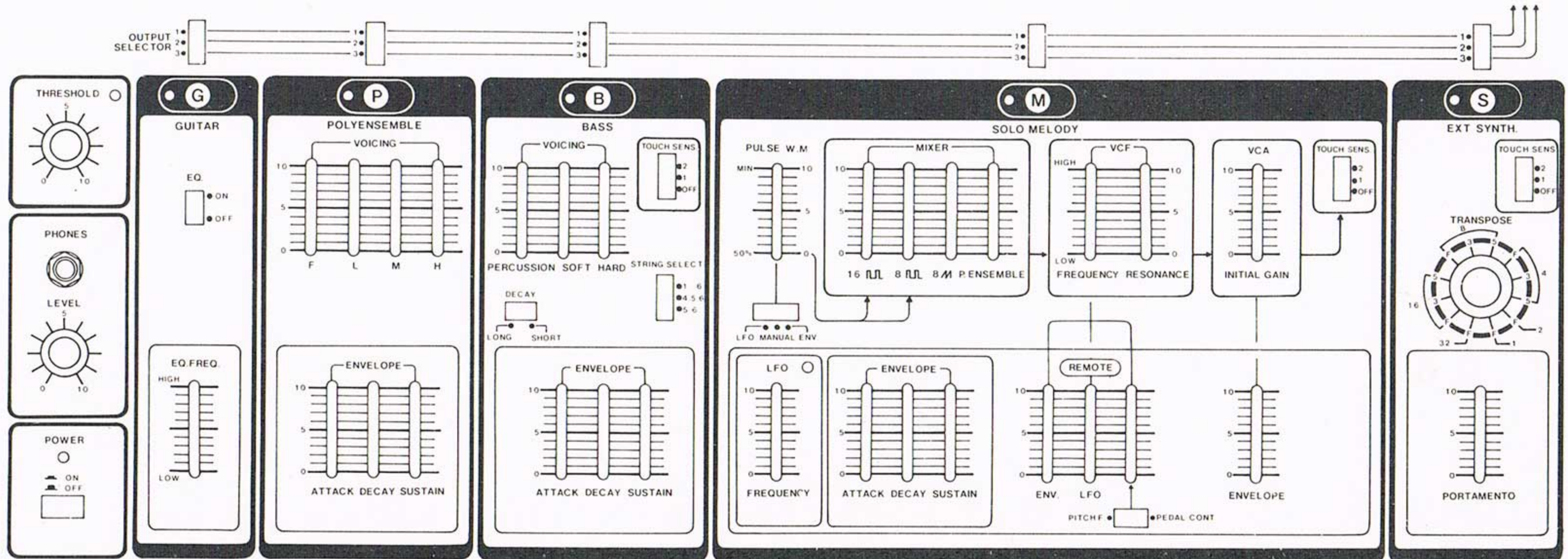
PARAPHONIC Guitar Synthesizer PATCH NOTES

Guitar Controller

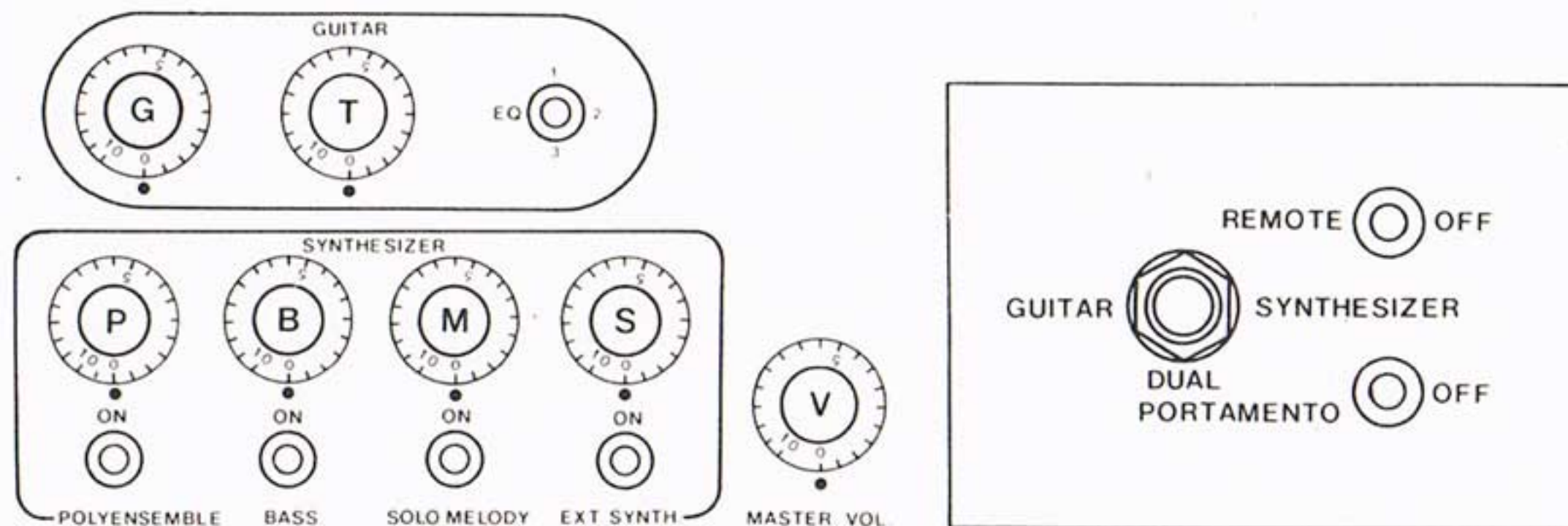


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GR-500

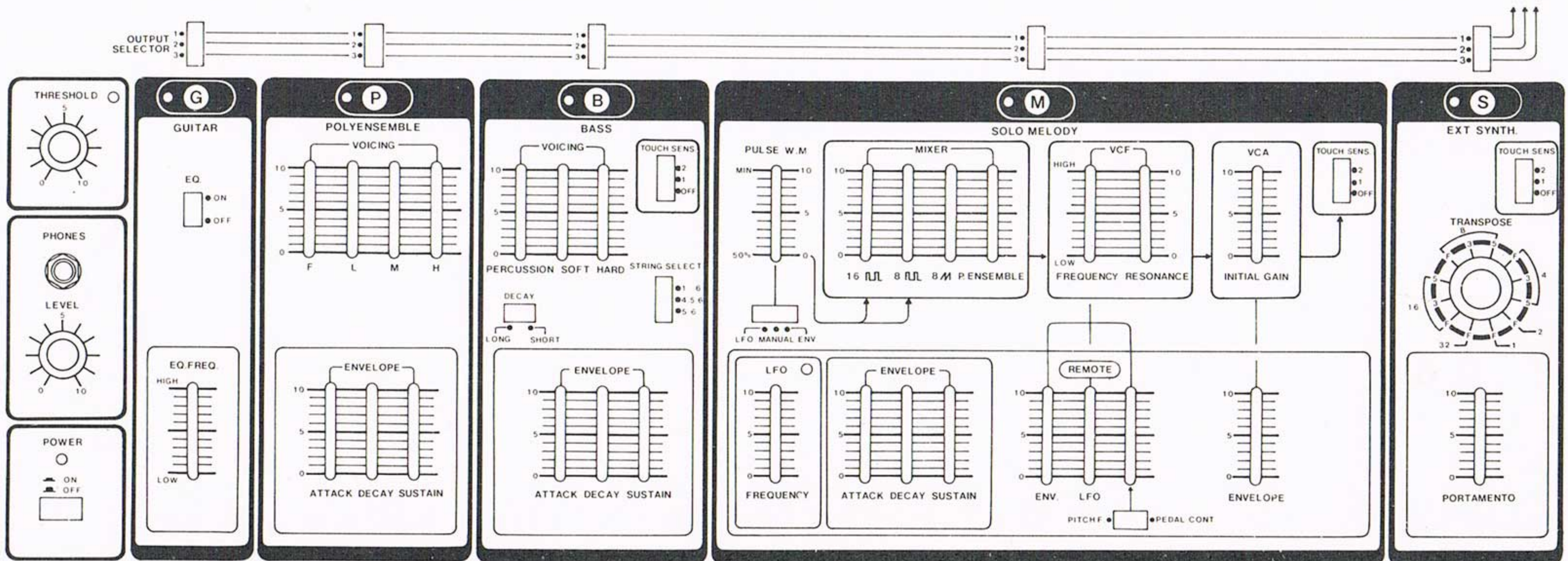


Guitar Controller



NO.
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TITLE.

GR-500



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

3-7-13, Shinkitajima, Suminoe-ku

Osaka, JAPAN