Divide by 2 Tuning Setup:

Step up an octave and divide audio output by 2. Adjust VCO tuning so there is no change in frequency when stepping up and down an octave

Hendry 822 VC Shifter

STEP A
11 1
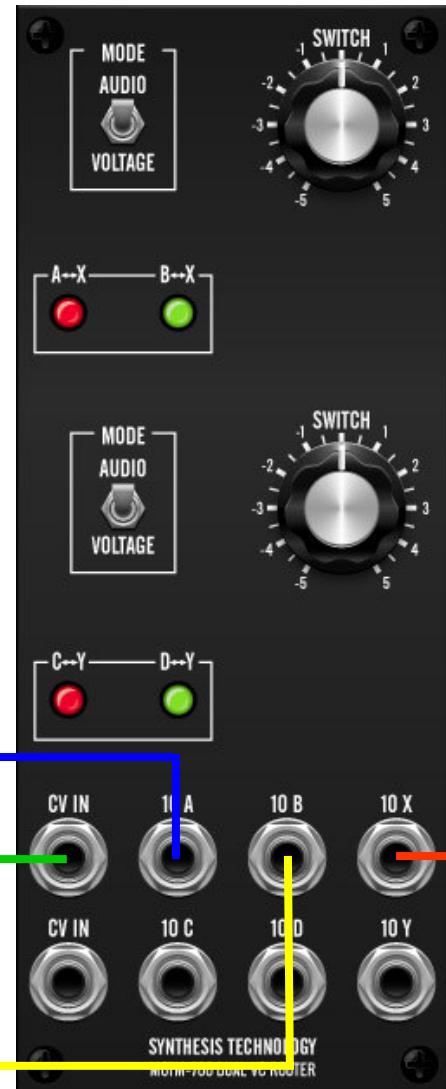10 2
9 3
8 4
7 5
6

OCT A
1
-2 2
-3 3

STEP B
11 1
10 2
9 3
8 4
7 5
6

OCT B
1
-2 2
-3 3

IN A   OUT A
IN B   OUT B

SYNTH SYSTEMS
JLH-822 V-SHIFT

MOTM-120 with sub-octave outputs

A IN
4 6
3 7
2 E
1 8
0 10 9

B IN
4 6
3 7
2 E
1 8
0 10 9

SUB 1
4 6
3 7
2 8
1 E
0 10 9

SUB 2
4 6
3 7
2 8
1 E
0 10 9

MIX A — MIX B
NORM   NORM
SQUARE SQUARE

SUB 3
4 6
3 7
2 8
1 E
0 10 9

MODE   OUT
SUB   AC
CROSS   DC

SUB 4
4 6
3 7
2 8
1 E
0 10 9

A IN   B IN   STAIR OUT   MIX OUT

SUB 1   SUB 2   SUB 3   SUB 4

SYNTH SYSTEMS
MOTM - 120 R

MOTM-700 Dual VC Router

MODE
AUDIO
VOLTAGE

SWITCH
-1 1
-2 2
-3 3
-4 4
-5 5

A↔X   B↔X

MODE
AUDIO
VOLTAGE

SWITCH
-1 1
-2 2
-3 3
-4 4
-5 5

C↔Y   D↔Y

CV IN   10 A   10 B   10 X

CV IN   10 C   10 D   10 Y

SYNTHESIS TECHNOLOGY
MOTM-700 DUAL VC ROUTER

Audio from VCO to tune

CV from keyboard

CV to VCO to tune

Audio to amp

Use OCT A to switch back and forth between octaves.

Set Mix Out for A Square only. All other controlls off

Set MODE to AUDIO. Adjust SWITCH to change when switching octaves

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