

DOEPFER MUSIK ELEKTRONIK GMBH

ANALOG MODULAR SYSTEM A-100

A-126 Voltage Controlled Frequency Shifter

Service Manual

Adjustment of the multipliers:

Y1 and Y2 are jumpers, X1*Y1 and X2*Y2 are test pins on the A-126 board

- middle position of the frequency knob (i.e. about 500Hz frequency shifting, exact frequency is not important)
- no audio signal at the audio input (or input level = zero)
- install jumpers Y1/ST4 and Y2/ST3
- connect the single pin X1*Y1 to scope and/or mixer/amplifier
- adjust trimming potentiometer Y1 Bal. for minimum signal appearing at X1*Y1
- connect the single pin X2*Y2 to scope and/or mixer/amplifier
- adjust trimming potentiometer Y2 Bal. for minimum signal appearing at X2*Y2

- full audio signal just before clipping at the audio input (e.g. a 500 Hz sine wave from a VCO or VCF in self resonance, exact frequency is not important)
- remove both jumpers Y1/ST4 and Y2/ST3
- connect the single pin X1*Y1 to scope and/or mixer/amplifier
- adjust trimming potentiometer X1 Bal. for minimum signal appearing at X1*Y1
- connect the single pin X2*Y2 to scope and/or mixer/amplifier
- adjust trimming potentiometer X2 Bal. for minimum signal appearing at X2*Y2

repeat all adjustments for best results (i.e. minimum signal, less than 10mV are possible for ideal adjustment)

