

DOEPFER MUSIKELEKTRONIK A-100 Analog Modular System Instructions

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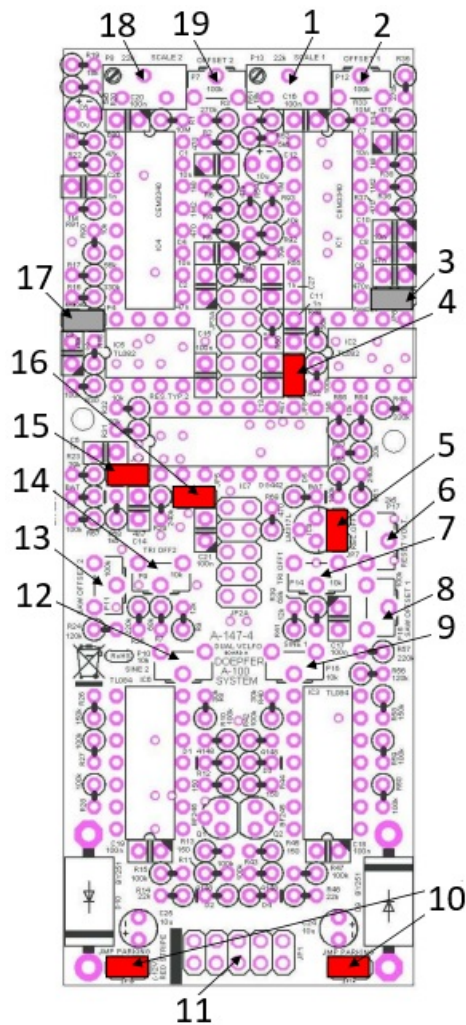
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DOEPFER MUSIKELEKTRONIK GMBH

ANALOG MODULAR SYSTEM A-100

A-147-4 Dual VCLFO

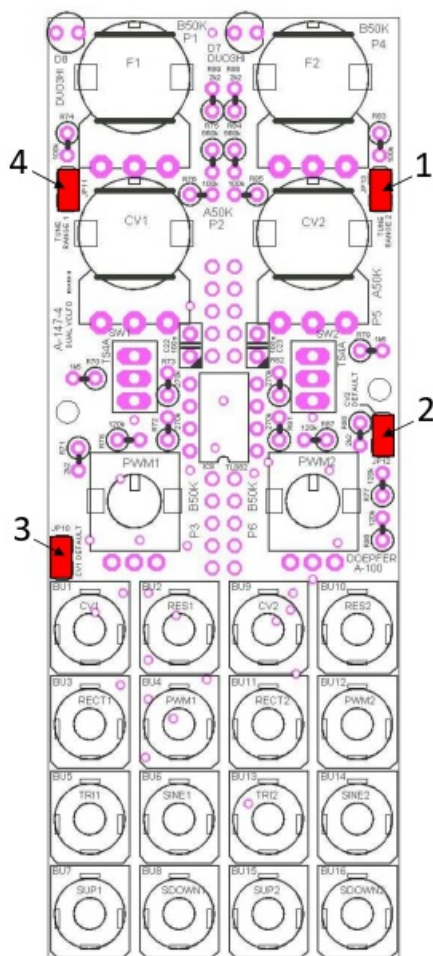
Position and function of the pin headers and trimming potentiometers Board A



1. P13: **SCALE LFO1**
2. P12: **OFFSET LFO1**
3. JP6: **FREQUENCY RANGE LFO1**
4. JP8: **RESET TYPE LFO1**
5. JP7: **RECTANGLE DC OFFSET LFO1**
6. P17: **RESET VOLTAGE**
7. P14: **TRIANGLE DC OFFSET LFO1**
8. P16: **SAWTOOTH DC OFFSET LFO1**
9. P15: **SINE ADJUST LFO1**
10. JP14/JP15: **JUMPER PARKING**
11. JP1: **Bus Connector**
12. P10: **SINE ADJUST LFO2**
13. P11: **SAWTOOTH DC OFFSET LFO2**
14. P9: **TRIANGLE DC OFFSET LFO2**
15. JP9: **RESET TYPE LFO2**
16. JP5: **RECTANGLE DC OFFSET LFO2**
17. JP4: **FREQUENCY RANGE LFO2**
18. P8: **SCALE LFO2**
19. P7: **OFFSET LFO2**

The grey marked jumpers JP4 and JP6 are not installed in the factory. If required the dummy jumpers of JP14/JP15 can be used.

Position and function of the pin headers and trimming potentiometers Board B



1. JP13: **TUNE RANGE LFO2**
2. JP12: **CV DEFAULT LFO2**
3. JP10: **CV DEFAULT LFO1**
4. JP11: **TUNE RANGE LFO1**

Functions of the pin headers

Board A

JP1 bus connection

JP2A/B internal connection between board A and B

JP3A/B internal connection between board A and B

JP4 Frequency Range LFO2 (not installed in the factory)

jumper installed: low frequency range

jumper not installed: high frequency range

JP5 Rectangle DC Offset Range LFO2

jumper installed: bipolar/symmetrical rectangle (~ -5V/+5V)

jumper not installed: unipolar/positive rectangle (~ 0V/+10V)

JP6 Frequency Range LFO1 (not installed in the factory)

jumper installed: low frequency range

jumper not installed: high frequency range

JP7 Rectangle DC Offset Range LFO1

jumper installed: bipolar/symmetrical rectangle ($\sim -5V/+5V$)

jumper not installed: unipolar/positive rectangle ($\sim 0V/+10V$)

JP8 Reset Type LFO1

jumper installed: level controlled reset (reset is active as long as the reset input is high)

jumper not installed: positive edge controlled reset

JP9 Reset Type LFO2

jumper installed: level controlled reset (reset is active as long as the reset input is high)

jumper not installed: positive edge controlled reset

JP14 Dummy Pin Header (Jumper Parking): parking of unused jumpers

JP15 Dummy Pin Header (Jumper Parking): parking of unused jumpers

Board B

JP10 Default CV LFO1

jumper installed: CV input socket is normalled to a positive voltage ($\sim +5V$)

jumper not installed: no normalling of the CV input socket

JP11 Tune Range LFO1

jumper installed: wide range of the manual frequency control F

jumper not installed: small range of the manual frequency control F

JP12 Default CV LFO2

jumper installed: CV input socket is normalled to a positive voltage ($\sim +5V$)

jumper not installed: no normalling of the CV input socket

JP13 Tune Range LFO2

jumper installed: wide range of the manual frequency control F

jumper not installed: small range of the manual frequency control F

Functions of the trimming potentiometers

Board A

P7 Frequency Offset LFO2

P8 Frequency Scale LFO2 (factory setting: 1V/Oct when CV control is fully CW)

P9 Triangle DC Offset LFO2 (factory setting: bipolar/symmetrical triangle)

P10 Sine Adjust LFO2 (factory setting: best sine shape)

P11 Sawtooth DC Offset LFO2 (factory setting: bipolar/symmetrical sawtooth)

P12 Frequency Offset LFO1

P13 Frequency Scale LFO1 (factory setting: 1V/Oct when CV control is fully CW)

P14 Triangle DC Offset LFO1 (factory setting: bipolar/symmetrical triangle)

P15 Sine Adjust LFO1 (factory setting: best sine shape)

P16 Sawtooth DC Offset LFO1 (factory setting: bipolar/symmetrical sawtooth)

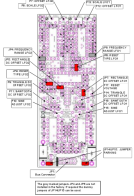
P17 Reset Voltage

(this is the voltage where the triangles of LFOs start after a reset, the factory setting is 0V)

Important note: Please change the trimming potentiometer settings only if you are familiar with such adjustments and you understand the functions. For modules which are returned by the customer with misadjusted trimming potentiometers the working time required to correct the adjustment is charged.

A-147-4 Service Manual Seite

Documents / Resources

	DOEPFER MUSIK-ELEKTRONIK A-100 Analog Modular System [pdf] Instructions A-100, A-100 Analog Modular System, Analog Modular System, Modular System, System
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References

- [User Manual](#)

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