



# TECHNICAL MANUAL

**SEQUENTIAL  
CIRCUITS INC**

MODEL 100  
Manual No. TM100A

**PRO-ONE SYNTHESIZER  
TECHNICAL MANUAL**

by Stanley Jungleib

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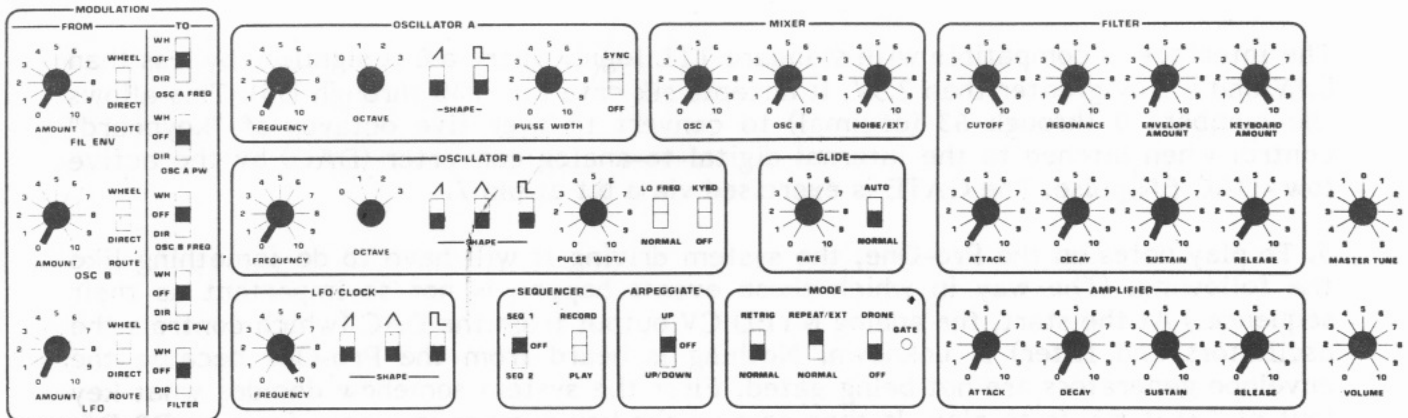












**Figure 5-2  
AMPLIFIER BALANCE PATCH**

**5-4 DIGITAL INTERFACE**

Use of the digital interface for external computer control requires both some simple hardware modifications to the Pro-One and the creation of software for your system. If you doubt your technical ability to install the interface, please see an SCI Authorized Service Center or contact our Service Department. However please note that we must leave all questions of programming your system to you.

1. Remove U113 (see Figure 5-1) 8021 microcomputer from its socket. Keep it safe. Note that with the 8021 removed, the Pro-One's keyboard cannot operate.
2. Jumper pin 2 of the 8021's socket to J101-7. Pads are provided on the printed circuit board (PCB) for this purpose.
3. Add R1182, 10K-ohm, 1/4W, 5% resistor where shown on Figure 5-1.
4. Table 5-0 lists pin assignments. Mate J101 with a 14-wire ribbon cable terminated in a DIP plug. (There are six spare lines.)

**Table 5-0  
J101 DIGITAL INTERFACE PINS (J101)**

1	D5
2	D4
3	D3
4	D2
5	D1
6	D0
7	GATE
8	-DAC EN
9-14	GROUND











































































