



**synthesis  
technology**

**MOTM-380 Quad LFO  
Assembly Instructions & Owner's Manual**

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# MOTM-380 PARTS LIST

Please carefully check that all parts are in your kit. If you have a suspected shortage, please call or email. If you get free extra stuff, keep it for next time.

**Capacitor** bag, containing the following 10 parts (*there is NO C1!*)

2ea 10mfd, 50V Electrolytic	C2, C3
4ea 100N (0.1uf) metal poly radial (marked 104)	C4, C5, C6, C7
4ea 0.1mfd (marked 104) ceramic axial	C8, C9, C10, C11

**Resistor** bag, containing the following 31 parts (all are 5% tolerance):

6ea 39K (orange, white, orange)	R3, R7, R11, R15, R19, R23
6ea 1K (brown, black, red)	R10, R22, R24, R25, R26, R27
5ea 100K (brown, black, yellow)	R1, R5, R12, R13, R17
4ea 82 ohm (gray, red, black)	R2, R6, R14, R18
4ea 200K (red, black, yellow)	R4, R8, R16, R20
4ea 10K (brown, black, orange)	R28, R29, R30, R31
2ea 62K (blue, red, orange)	R9, R21

**IC** bag, containing the following 4 parts:

3ea TL074AN quad op amp	U1, U3, U4
1ea NE5517 dual OTA	U2

**Misc #1** bag, containing the following 3 parts:

2ea Axial ferrite beads (plain, gray things )	L1, L2
1ea MTA-156 power connector	JP1

**Knobs**, 4ea, ALCO PKES90B1/4

**Jacks**, 4ea Switchcraft 112A

**Pots**, 4ea containing the following:

4ea 100K log cond. plastic Spectrol 148	VR1-4
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**Front panel**

**Mounting bracket**

- Wire bag, containing the following 5 wires:**

- 2ea 3-wire set 22ga. (orange/white/gray) short
  - 1ea 3-wire set 22ga. (orange/white/gray) long
  - 1ea 2-wire set, 22ga, 3 ½ inches (red/black)
  - 1ea Power Cable, 20"

- Hardware bag, containing:**

- 4ea #8-32 x 3/8 black screws (for mounting module to rack)
  - 4ea #6-32 x 1/2 zinc screws (for attaching pc board to bracket)
  - 4ea 1/4 inch aluminum spacers
  - 6ea #6 KEPS nuts (2 for attaching bracket to front panel, 4 for pc board)
  - 1ea small tie-wrap

- Organic Solder**

- No-clean Solder**

- PC Board, MOTM-380**