



**MOTM-800 ADSR Envelope Generator  
Assembly Instructions & Owner's Manual**

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Oct. 18, 1999

# MOTM-800 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 9 parts:

2ea 10mfd, 25V or 50V Electrolytic	C1, C2
1ea 3M3mfd, bi-polar Electrolytic	C9
1ea 1000pf (marked 1N or 102) yellow box	C3
1ea 0.01mfd (marked 10N or 103) yellow box	C4
4ea 0.1mfd (marked 104) ceramic axial	C5, C6, C7, C8
  
- Resistor** bag, containing the following 16 parts:

4ea 100K 5% (brown, black, yellow)	R5, R6, R10, R11
3ea 10K 5% (brown, black, orange)	R1, R2, R15
3ea 47K 5% (yellow, violet, orange)	R3, R4, R8
2ea 2K 5% (red, black, red)	R13, R14
2ea 1K 5% (brown, black, red)	R12, R16
1ea 5K1 5% (green, brown, red)	R9
1ea 1M 5% (brown, black, green)	R7
  
- IC** bag, containing the following 9 parts:

1ea TL072 op amp	U3
1ea TLC555CP CMOS timer	U2
1ea HCF4066BE Quad CMOS switch	U1
2ea 2N3904 NPN transistor	Q1, Q2
4ea 1N4148 signal diode	D1, D2, D3, D4
  
- 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**, containing the following:

3ea 1M log, Bourns 91A1DB28D25	VR1, VR2, VR4
1ea 10K linear, Bourns 91A1AB28B15	VR3
  
- Front panel**

## **MOTM-800 PARTS LIST (cont)**

- Mounting bracket, small**
- Wire bag, containing the following 6 wires:**
  - 3ea RG-174 coax, 4 1/2 inches
  - 1ea 3-wire set 22ga, 2 1/2 inches (white/orange/gray)
  - 1ea 22ga wire 2 1/2"
  - 1ea Power Cable, 20"
- Hardware bag, containing:**
  - 4ea #8-32 x 3/8 black screws (for mounting module to rack)
  - 4ea #6-32 x 3/8 zinc screws (for attaching pc board to bracket)
  - 4ea 1/8 inch aluminum spacers
  - 6ea #6 KEPS nuts (2 for attaching bracket to front panel, 4 for pc board)
  - 4ea small tie-wraps
- Organic Solder**
- No-clean Solder**
- PC Board, MOTM-800**