



**MOTM-830 Dual-Mode Mixer
Assembly Instructions & Owner's Manual**

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MOTM-830 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:

| | |
|---------------------------------------|----------------|
| 2ea 10mfd, 50V Electrolytic | C9, C10 |
| 4ea 22pf (marked 220) ceramic axial | C1, C6, C7, C8 |
| 4ea 0.1mfd (marked 104) ceramic axial | C2, C3, C4, C5 |

Resistor bag, containing the following 24 parts:

| | |
|--|-------------------|
| 13ea 100K 1% (brown, black, black, orange) | R6, R9-13, R18-24 |
| 3ea 10K (brown, black, orange) | R5, R7, R16 |
| 2ea 1K (brown, black, red) | R4, R14 |
| 2ea 44K2 1% (yellow, yellow, red, red) | R8, R17 |
| 2ea 49K9 1% (yellow, white, white, red) | R1, R3 |
| 1ea 150K 1% (brown, green, black, orange) | R2 |
| 1ea 51K (green, brown, orange) | R15 |

IC bag, containing the following 3 parts:

| | |
|----------------------------------|--------|
| 2ea OP285GP precision dual opamp | U1, U2 |
| 1ea TL072 dual op amp | U3 |

Misc #1 bag, containing the following 4 parts:

| | |
|--|--------|
| 2ea Axial ferrite beads (plain, gray things) | L1, L2 |
| 1ea MTA-156 power connector | JP1 |
| 1ea SPDT (ON-ON) toggle switch M2012 | SW1 |

Knobs, 7ea, ALCO PKES90B1/4

Jacks, containing
7ea Switchcraft 112A
1ea Switchcraft 114B (contains switch SW2)

- Pots**, 7ea containing the following:

| | |
|--|---------------|
| 3ea 100K linear conductive plastic (Bourns) | VR5, VR6, VR7 |
| 1ea 100K linear cermet (Spectrol 149) | VR4 |
| 3ea 100K log conductive plastic (Spectrol 148) | VR1, VR2, VR3 |

- Front panel**

- Mounting bracket**

- Wire bag**, containing the following 14 wires:
 - 6ea RG-174 coax, 4 ½ inches
 - 2ea RG-174 coax, 7 inches
 - 4ea 3-wire set, 22ga. 6 inches (orange/white/gray)
 - 1ea 2-wire set, 22ga. 3 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)
 - 3ea small heat-shrink tubing
 - 9ea small tie-wraps

- Organic Solder**
- No-clean Solder**
- PC Board**, MOTM-830