



Features

- Switchable from MIDI channel 1 to 16
- LED MIDI signal status LED
- Responds to all 128 MIDI notes
- Switch to select what MIDI note 0V relates to C-1, C1 or C2
- MIDI thru so you can cascade 140s in larger systems

Kit Contents				
Description	Reference	MOTM Qty	MU Qty	Notes
Components Kit	7216-140-1	1	1	See BOM
Accessories Pack including:	7216-140-2	1	1	
Pot Sticky Pads	7210-188	1	1	
10mm M4 Spacers	7210-186	4	4	
M4 x 14 Cap Head Screws	7210-187	4	4	
M3 x 8mm Stainless Panel Screws	7216-151	4	4	
LED Spacer	7210-185	1	1	
8-Pin IC Socket	7212-331	2	2	
14-Pin IC Socket	7212-332	2	2	
28-Pin IC Socket	7212-338	1	1	
Power Lead	7216-164	1		
Toggle Switch Dress Nut	7210-196	3	3	
MOTM Front Panel	7216-540	1		Black
MOTM Back Panel	7216-840	1		
MU Front and Back Panel	7219-540		1	
Main PCB	7216-040	1	1	
Jack Socket PCB	7215-722	1	1	
Jack Sockets	7216-604	1	1	Pack of 4
B100k Pots Long shaft - Angle	7300-820	1		
B100k Pots Short shaft - Angle	7300-821		1	
8-Way Rotary Switch Long Shaft	1612-027	1		
8-Way Rotary Switch Short Shaft	1612-026		1	
KM20B Knobs	7212-102	1		Pack of 2
MU Knobs	7219-102		1	Pack of 2
General Assembly Guidance Booklet		1	1	
Circuit Schematic	S-7216-040-c	1	1	
BOM	S-7216-040-c	1	1	
PCB Layout	S-7216-040-c	1	1	

Assembly Instructions

The MIDI to CV module has no particular requirements not already covered in the 'General Guidance on a M²Synth Module Assembly' booklet included with this kit.

Calibration

Initially adjust Pr1 to give 4.266V at the junction of R1 & R4

Pr1 can be fine adjusted using a MIDI keyboard to give a 1V increment for each note pressed 1 octave higher than the previous

Specification

- Supply voltage +/-12Vdc
- Supply current +20mA / -3mA
- MIDI CV output voltage range 0-10.58V
- Aux CV output 0-10V with attenuator
- Gate voltage 5V
- MIDI jacks 3.5mm
- Main PCB dimensions 43.5x154.85mm

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