Midiverse Modular

MVM023 – Glide Build Guide

Thanks for supporting Midiverse Modular! This guide provides basic instructions to build your MVM023 Glide module.

Size: 4HP
Depth: 30mm
Draws 15mA from the +12V rail and 15mA from the -12V rail

For this build, basic soldering equipment is required. This module is recommended for intermediate builders. This guide provides a list of the parts needed to complete the build and some key instructions for success.

Parts needed to complete the build:

Reference	Qty	Value	Notes
Glide Panel	1		
Glide PCB	1		
BOM			
R1, R2, R3, R5	4	100K	0.1% Metal film resistors*
R4	1	1K	0.1% Metal film resistors*
R6	1	33K	0.1% Metal film resistors*
R7	1	91K	1/4W 1% Metal film resistors
R8	1	20KT	Multi-turn trimmer potentiometer (3296W)
R9, R10, R11	3		Wire or resistor legs
D1, D2	2	1N5817	
C1, C2	2	10uf	Electrolytic
C3, C4	2	0.1uf	Multilayered ceramic capacitor
C5	1	0.33uf	Multilayered ceramic capacitor
IC1	1	TL084	
IC Socket	1	14 pin Socket	14 Pin DIP IC Socket
J1	1	2x5 pin header	2.54 mm 10 pin shrouded header
VR1	1	B1M	ALPHA 9mm potentiometer, vertical
IN, OUT1, OUT2, OUT3	4	3.5mm Jacks	THONKICONN (PJ398SM)
Knobs	1		White, Davies (1900H)

***We recommend using 0.1% metal film resistors for the best scaling accuracy. The module will work if all resisters are 1/4W 1% metal film resistors, but it may less accurate.

Build Instructions:

Populate and solder the resistors, wires, diodes, capacitors, IC socket, and power header. **DO NOT** solder the jacks or the potentiometer on the board yet. Be sure to pay attention to the orientation of the diodes, electrolytic capacitors, IC, and power header.

If there is an anti-rotation tab on the potentiometer, be sure to break it off now. Populate the jacks and potentiometer, and then attach the front panel. Now solder these components.