

KENTON

Instructions for SW16 module board

Power requirement 9V to 15V DC 100mA (both unregulated or regulated types are acceptable)

Connector 2.1mm centre positive (reverse polarity protected)

An external power switch may be fitted between the pins of K7 by removing the link.

The MIDI Input is provided for programming and for use as a merging input. Data sent to the input will be merged with the data generated by the switch inputs and sent to the MIDI Out.

Use of K6 is optional, but it can be used to reset the unit to defaults, and to select different programs if connected to a suitable encoder switch. (ALPS - STEC 16 B 04 or equivalent) – the SW16 has 15 programs available.

K6 pinout

1 = Ground (0 Volts)

2 = Encoder A connection

3 = Encoder B connection

4 = reset input (connect to ground whilst powering the unit on, then release & wait 20 seconds – this will reset to defaults)

K3 pinout

Pins 1 to 8 are inputs 1 to 8

Pin 9 is unconnected

Pin 10 is Ground (0 Volts) – common connection for all switches

K4 pinout

Pins 1 to 8 are inputs 9 to 16

Pin 9 is unconnected

Pin 10 is Ground (0 Volts) – common connection for all switches

Default program in the SW16 is MIDI notes 36 to 51 at velocity 100. Notes on at make, notes off at break.

The SW16 programs can be edited using the Control Freak editors available free from our website. Obviously only the button sections are valid as there are no sliders/knobs on the SW16. Data from slider/knob commands are similarly not available. However most of the programming facilities are valid including the ability to send SysEx and NRPN commands, as is the ability to send multiple commands from the same button/switch. For more information about programming see the Control Freak manual which can be downloaded from our website.



