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Innovative Electronic Assistive Technology

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Information Sheet

MIDI Switch Box

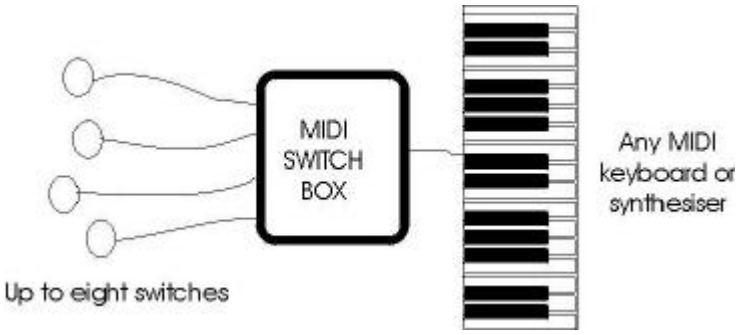
Catalogue Number: MIDISW8

The Musical Instrument Digital Interface (MIDI) is a language that allows different electronic instruments to talk to each other. In the music industry, this system lets musicians make keyboards sound like guitars, and guitars sound like bass drums. Our MIDI Box draws on this industry standard, to make a special switch sound like anything from a pipe organ to a telephone!

Up to nine special switches, selected to suit the user's physical abilities, are plugged into the MIDI Box. Eight of these trigger notes, chords or sound effects, and the other switch can be used to change the sounds the MIDI Box activates.

WHAT THE SWITCHES DO

The MIDI Box has been designed to work with the General MIDI standard. It will work with non-standard MIDI instruments as well, but the sounds you hear may vary from those listed below.



The MODE switch steps through each of the eight different ways the MIDI Box operates. Each press of the built in mode switch, or a special switch plugged into the mode socket will step on to the next option. A LED on the front panel shows which mode is currently selected.

Special Switches plug into the sockets labeled switch 1 – 8. These are the main 'music' switches, and will produce a differing result when pressed depending on the mode that has been selected. The switch chart lists the many options.

OPERATION

- Connect a MIDI lead between the MIDI out socket on the MIDI Box and the MIDI in socket on your keyboard or synthesiser.
- Plug as many switches into the switch input sockets on the MIDI box as you need.
- Turn on the synthesiser, and if needed make sure it is set to receive MIDI commands.
- Turn on the MIDI Box. You will hear a brief arpeggio if everything is working.
- Select the mode you want the MIDI Box to operate in by pressing the MODE switch (refer to the chart below) The MIDI Box will always start in Mode 1.
- Press the special switches to make music!

PROBLEM SOLVING

No Sound?

- If you hear nothing, and the Mode light is either dim on not showing, check the power supply.
- If you hear nothing, and the Mode light is showing, check the switches and the MIDI lead to the synthesiser. Check the synthesiser volume is turned up.
- If the sound from the synthesiser is distorted, the problem will be in the synthesiser, and not the MIDI Box. The MIDI Box only tells the synthesiser to make a sound; the actual sound is made in the synthesiser.

Technical Solution's MIDI Switch Box

SWITCH CHART

Mode	Effect	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5	Switch 6	Switch 7	Switch 8
1	Sequence of notes – each switch plays a different instrument	Celestea	Jazz Guitar	Tinkle Bell	Trumpet	Voice Oohs	Charang	Piccolo	Tele-phone
2	Each switch plays a different percussion instrument								
3	C Major scale, over 2 octaves	Note: Middle C	Note: E.	Note: G	Note: B	Note: D	Note: F	Note: A	Note: C
4	C Major scale, starting at middle C	Note: Middle C	Note: D	Note: E	Note: F	Note: G	Note: A	Note: B	Note: C
5	C Major scale, one octave above middle C	Note: C	Note: D	Note: E	Note: F	Note: G	Note: A	Note: B	Note: C
6	C Major chords	Notes: C	Notes: D	Notes: E	Notes: F	Notes: G	Notes: A	Notes: B	Notes: C
7	Arpeggio								
8	Instrument change. This changes the type of instrument you will hear when using modes 3 - 7	Selects General MIDI patch no. 8 - Celesta	Selects General MIDI patch no. 26 - Jazz Guitar	Selects General MIDI patch no. 112- Tinkle Bell	Selects General MIDI patch no. 56 - Trumpet	Selects General MIDI patch no. 53 - Voice Oohs	Selects General MIDI patch no. 84 - Charang	Selects General MIDI patch no. 72 - Piccolo	Selects General MIDI patch no. 124- Tele-phone