InterfASD
Mod.ASD261C

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1.00	g.tortoriello	27/01/2007
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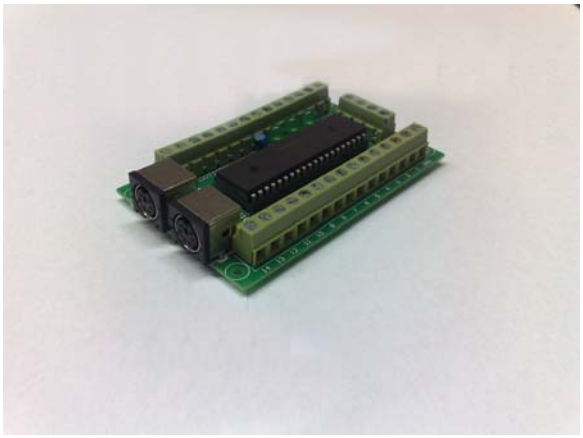
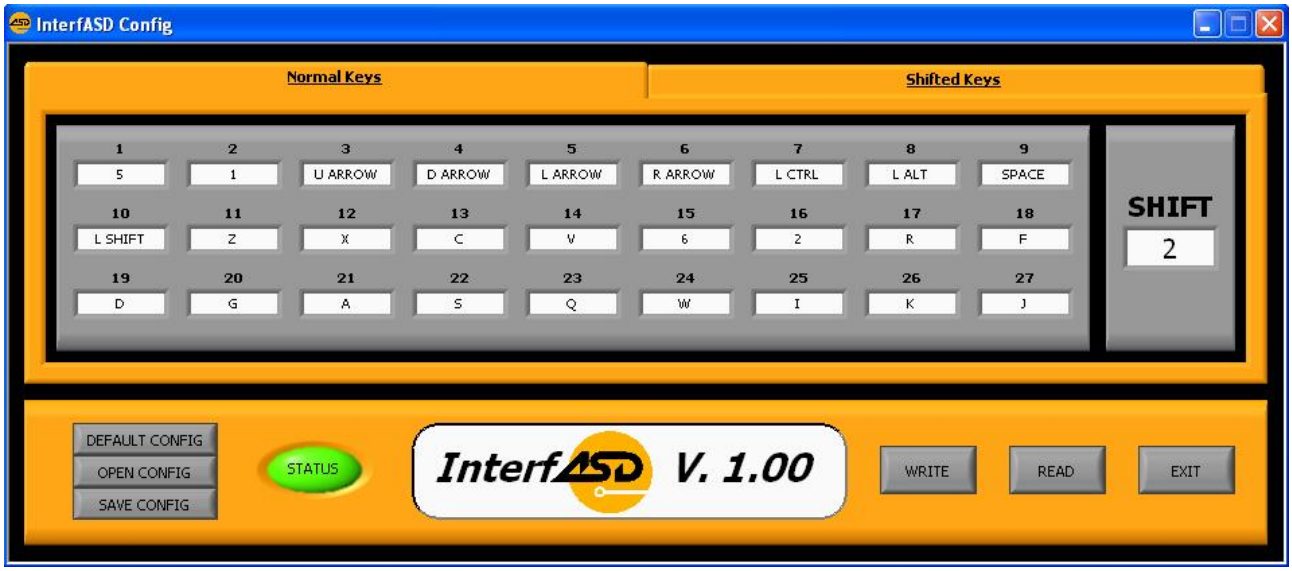
Overview



The InterfASD is a keyboard encoder which allows connection of single ended controls to PS/2 keyboard port, then the OS does not need special drivers (also works in DOS).
It has 27 inputs with own dedicated microprocessor pin which allow unlimited simultaneous key presses, no ghosting and no blocking.
Already configured a code set (see table) but, all codes are reprogrammable “on the fly” by the windows software included and stored after power off. All inputs have also a secondary reprogrammable key code accessible by shift key which allows to configure your emulators without other extra panel button.
The secondary (KBD) PS/2 connector allows to plug in a second encoder to enlarge the inputs number or standard keyboard for other use.

Programming



To change code set, open the software utility (first time you must install the runtime engine included), set the pins in normal and shifted page, then set the “shift” pin (You can also disable a pin or shift function). When your setting is ready, press the “write” button and wait until a message appear, if operation fails repeat it. Now, you can test the new set code: when you close switches, the own pin label would have to change to green color.
Before you exit, you can save your setting in a file for future use in manual mode o in automatic mode by a batch routine or drag and drop.

Default Code Set

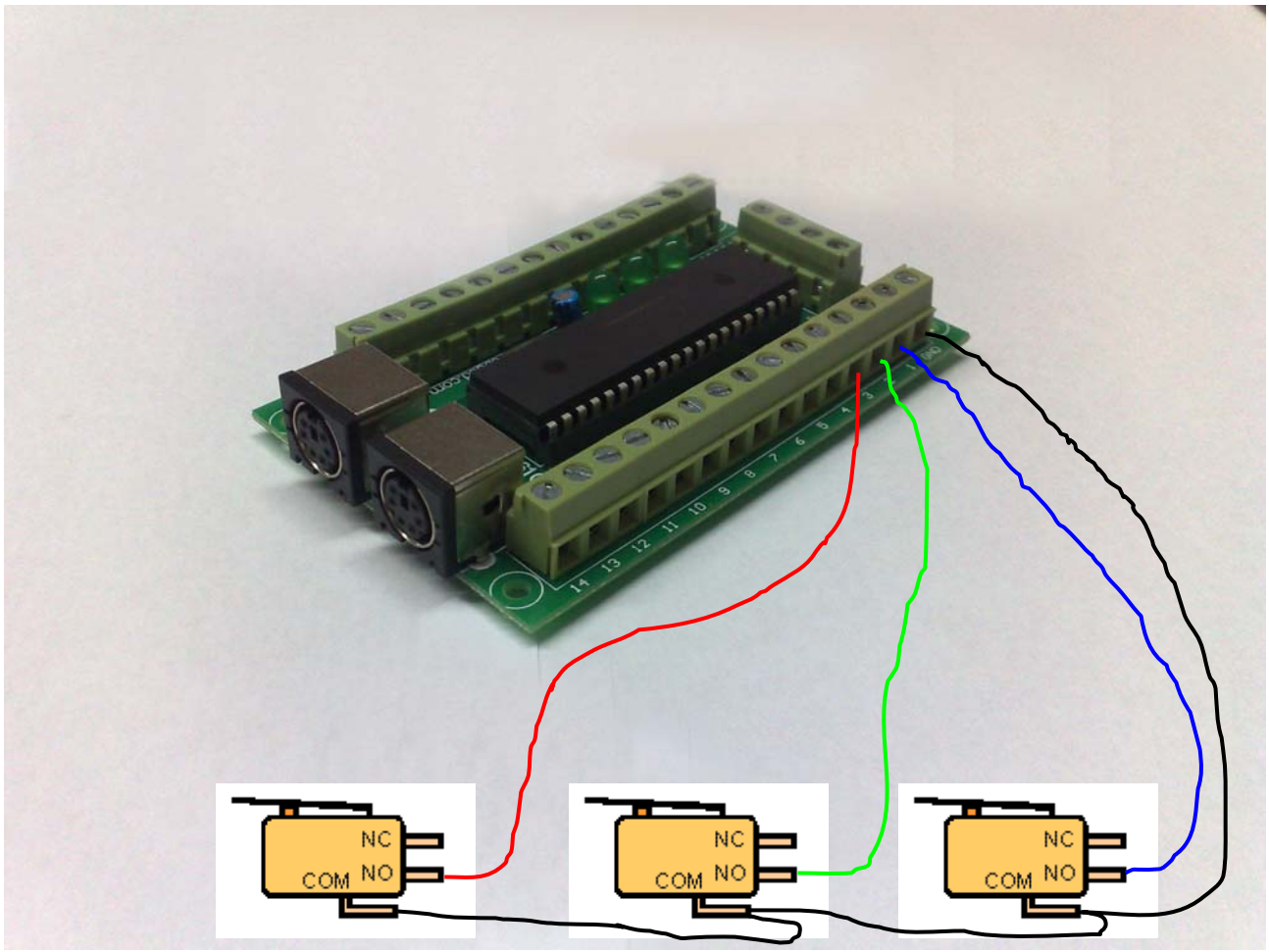
Pin Number	Normal Key	Shifted Key
1	5	
2 (shift key)	1	
3	Up Arrow	Tilde
4	Down Arrow	P
5	Left Arrow	Enter
6	Right Arrow	Tab
7	Left Ctrl	5
8	Left Alt	6
9	Space	
10	Left Shift	
11	Z	
12	X	
13	C	
14	V	
15	6	
16	2	Esc
17	R	
18	F	
19	D	
20	G	
21	A	
22	S	
23	Q	
24	W	
25	I	
26	K	
27	L	

Shift Function

When shift function is assigned to a pin (default is pin 2), this input doesn't send key code immediately but it waits a shifted key press. If it doesn't recognize, on key released, sends own key code.

Wiring

Connect all "COM" terminals of switches together to the GND pin on the board. Then connect the "NO" terminals of each switch to the numbered pins on the board (see figure).



Technical Data

Inputs:	27 normal keys + 26 shifted keys
Power supply:	5Vdc (from PS/2 port)
Dimensions:	88mm x 55mm
Working Env. Cond.:	-10 + 40 °C 90% U.R.