



Congratulations on your purchase of the KeyWiz™, one of the highest performance, feature packed PS/2 Keyboard encoders available today.

Instructions

First a couple of basics:

The Purple connector is used with the supplied cable to connect the KeyWiz to your computer's PS/2 Keyboard port. The Green connector is where you will connect your PS/2 Keyboard.

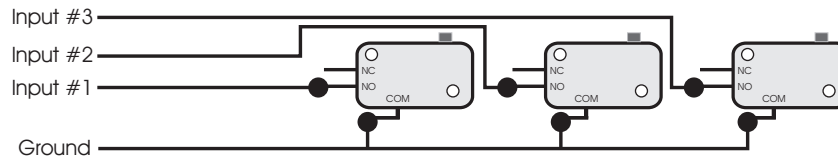
The switch mounted directly adjacent to the above connectors is used to alternate between the KeyWiz and your keyboard. Move the switch toward the connector to make the KeyWiz the active device, and away from the connector to activate your keyboard.

Board Mounting: You will need to mount your board somewhere accessible to make troubleshooting and installation simple. This is especially important if you intend to make frequent use of the built-in PS/2 keyboard switch. At roughly each corner of the KeyWiz circuit board you will find a hole large enough for mounting screws. The use of

standoffs is recommended, but not necessary. You need only ensure that the bottom of the PCB is not in contact with any conductive materials and that the heads of your fasteners are small enough that they do not make contact with any components on the board.

Switch Connections:

The first thing you should do is connect a wire from one of the ground terminals to the first switch in your chain. Then connect a wire from the same switch terminal you hooked the first one to, to one of the terminals of an adjacent switch. Repeat this until all switches are connected together with the ground wire, or "daisy-chained." After that, connect the normally open contact of your switch to the desired input on the KeyWiz. Do this for the switches on all controls you wish to use. Refer to the diagram below for an example.



To take proper advantage of all KeyWiz inputs, there should be at least one 4 or 8 way control stick connected to the upper UDLR inputs. If you will not be using a control stick on your control panel, leave the upper U input unconnected. This will ensure proper operation of the Shazaaam! Key Feature. When all wiring is complete, plug the provided PS/2 cable into the KeyWiz (the **purple** connector) and then connect the other end to your PC. Below are the key output definitions at power-up. These can be toggled by holding down the Shazaaam! Button and moving control stick 1 left or right. Left is the ROM set and right is the programmable set.

The latest version of the KeyWiz Uploader Software can be downloaded from <http://www.groovygamegear.com/kw.zip>

| | |
|-----------|----------|
| Shazaaam! | Normal |
| Enter | 1 L Ctrl |
| Tab | 2 L Alt |
| PDown | 3 Space |
| Esc | 4 L Shft |
| P | 5 Z |
| PgUp | 6 X |
| F4 | 7 C |
| F10 | 8 V |

| | | | | |
|--------|----------|----------|-----------|----------|
| Ground | Reserved | Reserved | Shazaaam! | Normal |
| G | | | S | U Up Ar |
| | | | | D Dn Ar |
| | | | | L Lft Ar |
| | | | | R Rgt Ar |
| | | | | U R |
| | | | | D F |
| | | | | L D |
| | | | | R G |

| | |
|-----------|--------|
| Shazaaam! | Normal |
| 1 | 1 Q |
| 2 | 2 R |
| 3 | 3 S |
| 4 | 4 T |
| 5 | 5 U |
| 6 | 6 V |
| 7 | 7 W |
| 8 | 8 X |

| | | | | |
|--------|----------|----------|-----------|----------|
| Ground | Reserved | Reserved | Shazaaam! | Normal |
| G | | | S | U Up Ar |
| | | | | D Dn Ar |
| | | | | L Lft Ar |
| | | | | R Rgt Ar |
| | | | | U Y |
| | | | | D Z |
| | | | | L Space |
| | | | | R Enter |

Default Keys in ROM (Always accessible)

| | | | | | | | | | | | | | | | |
|-----------|-----|----|-----|----|----|----|----|---|---|---|---|---|-------|-----|-----|
| Normal | | | | | | | | | | | | | | | |
| A | S | Q | W | I | K | J | L | I | 2 | P | 5 | 6 | Enter | Tab | Esc |
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
| Enter | F12 | F3 | Esc | F8 | F9 | F5 | F6 | 5 | 6 | 7 | 8 | 9 | 0 | . | = |
| Shazaaam! | | | | | | | | | | | | | | | |

Default Keys in RAM (Overwritten when programmed)

| | | | | | | | | | | | | | | | |
|-----------|---|--------|--------|------|-----|--------|----------|----------|-----|----|----|----|----|----|----|
| Normal | | | | | | | | | | | | | | | |
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
| 9 | 0 | Insert | Delete | Home | End | PageUp | PageDown | BlkSpace | Esc | F1 | F2 | F3 | F4 | F5 | F6 |
| Shazaaam! | | | | | | | | | | | | | | | |