



V3 / V3B User Manual Version 0.14 Firmware

The V3 keyboard features a DIP switch on the backside of the keyboard to enable or disable various modes of function.

Box Contents

1. Mechanical Keyboard x1
2. USB Cable x1
3. Wire Keycap Puller x1

DIP Switch Settings

Unplug keyboard before changing DIP switch positions. Plug keyboard back in for new settings to take effect.

Switch State	Function	Notes
SW 1 Off SW 2 Off	User Programmed Layer	Default is "QWERTY"
SW 1 On SW 2 Off	QWERTY Mode (non-programmable)	Standard QWERTY Layout User cannot program the 1 – 4 layers
SW 1 On SW 2 On	Mac Mode	QWERTY Layout, programmable Reverses Alt and OS Key Positions
SW3 Off	Scroll Lock LED = Current Layer LED	
SW3 On	Scroll Lock LED = Scroll Lock LED	
SW4 Off / On	Factory Reset	This action will revert all keyboard settings back to factory defaults. Unplug keyboard and set SW4 on. Plug in keyboard. All indicator LED's will flash red for 20 seconds and then turn solid green which means factory reset is complete.
SW5 Off	Fn Key Enabled	When Fn Key is enabled, you can access the built in multimedia and lighting control keys. Default position of the Fn Key is the Menu Key.
SW5 On	Fn Key Disabled	
SW6 Off	Pgm Key Disabled	Enable the Pgm Key to access the keyboard's programming functions. Default position of the Pgm Key is the right Ctrl Key.
SW6 On	Pgm Key Enabled	

**Keyboard must be powered off to switch modes.*

Function Key Shortcuts

Key Combination	Shortcut	Notes
Media Keys		
Fn + Insert	Play / Pause	
Fn + Home	Stop	
Fn + Delete	Previous	
Fn + End	Next	
Fn + Page Up	Volume Up	
Fn + Page Down	Volume Down	
Fn + Pause	Mute	
LED Lighting Controls		
Fn + F11	Adjust LED backlighting brightness	CODE Models only
Fn + F12	Turn LED backlighting on / off	CODE Models only
Indicator LED Programming Controls		
Fn + F6	Red Level 0 – 9	Accessible only in LED Programming Mode
Fn + F7	Green Level 0 – 9	
Fn + F8	Blue Level 0 – 9	
Macro Programming Controls		
Fn + m	Switch to Layer 1	
Fn + ,	Switch to Layer 2	
Fn + .	Switch to Layer 3	
Fn + /	Switch to Layer 4	
Fn + 1	Add 10ms delay to macro	Accessible only in Macro Programming Mode
Fn + 2	Add 100ms delay to macro	
Fn + 3	Add 1000ms delay to macro	

Macro Programming

Action	LED State LED1 = Caps Lock, LED2 = Scroll Lock
1. Enable Pgm Key and Fn Key	LED1+2 = Normal function
2. Press Pgm + Fn to enter Macro Programming	LED1 = Green
3. Press target key or key combo	LED1 = Red
4. Input Programming	LED2 = Flash red on input
5. Press Pgm to save macro	LED1+2 = Flash green 2 times
6. Go back to Step 3 or press Pgm + Fn to exit Macro Programming	LED1+2= back to normal function
Move Pgm or Fn Keys	
1. Enable Pgm Key and Fn Key	LED1+2 = Normal function
2. Press Pgm + Fn to enter relocation Programming	LED1 = Green
3. Press and hold Pgm or Fn key for 5 seconds	LED1 = Red LED2 = Flash red, then solid green after 5 seconds
4. Input destination key	LED1 = Solid green LED2 = Flash Green
5. Go back to Step 3 or press Pgm + Fn to exit relocation Programming	LED1+2= back to normal function

Macro Programming Limitations

1. Each layer can record up to 25 macros
2. Each macro can hold up to 32 keys
3. Target can be single key or a combo up to 3 keys
(ie: "W", "Fn + W", "Fn + Ctrl + W")
4. Combo keys will be "released" before macro is sent. Avoid using keys such as Alt and OS/Win as those keys will trigger an action before sending the macro
5. Layer switching function cannot be moved or programmed

Clear Macro Programming for Layer

Press and hold the target layer key for 10 seconds. LED's will flash green indicating that layer has been reset. (For example, hold Fn + m to reset Layer 1)

Indicator LED Programming

Action	LED State
1. Enable Pgm Key Default position for Pgm key is RCtrl Key	Normal Function
2. Press Pgm + ScrLk to enter LED Programming	Flash green 3 times
3a. To program indicators: Press the key of the target LED (ie: Num Lock, Caps Lock, Scroll Lock)	Target LED displays current color
3b. To program Layer 1 – 4 indicators: Press the Fn + layer key to program layer indicator color (ie: Fn + m, Fn + , , Fn + . , Fn + /)	Flash red, then displays current color
4. Press Fn + F6, F7, or F8 to cycle through RGB colors	Target LED displays current color
5. Press Pgm to save color	Flash green 3 times
6. Go back to step 3 or press Pgm + ScrLk to exit LED Programming	Back to normal function