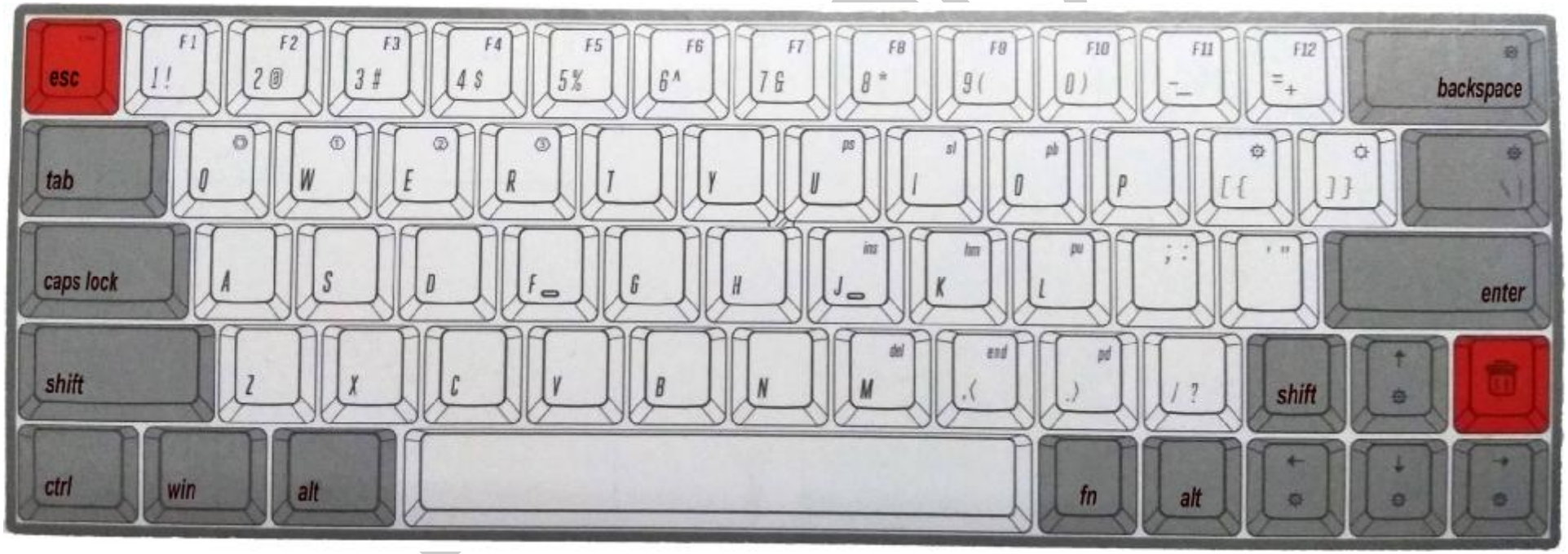
iGK64s-bt RGB Mechanical Bluetooth/USB Wired Two-mode Keyboard

Technical Specification

(Version1.0)2019/09/20



Features:

1) Anti-ghosting for all keys. RGB real color LED back light (16.8M colors)
2) All keys are user-defined (except Fn-combined hot keys) in 1 online mode and 3 offline modes(so-called "layers") by driver software .*(Please visit our website, www.pc-100.com, to download the driver software and install on your computer)*
3) Each LED light (except "Fn" key) can be set to any color separately by driver software.
4) Compatibility: WIN 2000/WIN XP/WIN VISTA/WIN7/WIN 8/WIN 10/MAC OS
5) Support all kinds of motherboard BIOS settings
6) Power-on default back light effect (keys are turned on in white color light one-by-one and all keys' lights are on finally, then recover to the LED lights' status of last shutdown)
7) Configuration file can be saved in built-in memory on PCB (on-board memory).
8) Power-saving mode, mechanical keyboard's back light goes out when the computer is shutdown or is on standby status.

9) Work in 2 communication modes.

Bluetooth mode: The keyboard may be paired with 3 Bluetooth devices and memorise them.

USB-wired mode: USB-Type C connection port. (USB to PC and type C to keyboard).

Functional Keys (Fn combined keys) in standard mode*(Std layer, refer to the layout image on the top)*

Fn : It means the following when this key is pressed.

To turn on the mode (layer) instruction key light in white color (5 status. Q: Online mode, W: Offline mode 1, E: Offline mode 2, R: Offline mode 3, no key light: normal mode.). This function is for users to know current working mode of the keyboards.

Press Fn and release it to turn on the communication mode instruction key light. (light twinkle in blue on "Z", "X" or "C" means working with bluetooth device 1, bluetooth device 2 or bluetooth device 3, while no light on these 3 keys means working in USB wired mode)

(*DoubleClick Fn to light on its LED white, Fn function is hold. Click Fn again to escape from holding status.)*

Fn +] / } = To play the predefined backlit effects(spectral cycle, all on, color breathing, rain drops, cross running) on

mechanical keyboard, there are some related light options in driver. Press this combined keys to change backlit effects alternately.

FN + [/ { = To play the responding light effects (single light, running light, ripple, music lights), press this combined keys to change responding light effects alternately.

Fn + \ / | = To pause/play backlit bright effect.

Fn + ← = To reduce playing speed of the backlit effect .

Fn + → = To increase playing speed of the backlit effect.

Fn + ↓ = To reduce brightness of the backlit effect.

Fn + ↑ = To increase brightness of the backlit effect.

Fn + Backspace = To turn off/on the back light.

Fn + Alt(Right) = To switch on/off side backlight.

Standard mode:

Fn + Esc = ` ***Fn + Shift + Esc*** = ~

Fn + 1 = F1 ***Fn + 2*** = F2 ***Fn + 3*** = F3 ***Fn + 4*** = F4 ***Fn + 5*** = F5 ***Fn + 6*** = F6

Fn + 7 = F7 ***Fn + 8*** = F8 ***Fn + 9*** = F9 ***Fn + 0*** = F10 ***Fn + -*** / _ = F11 ***Fn + +*** / = = F12

Fn + U = PrtSc ***Fn + I*** = ScrLk ***Fn + O*** = Pause ***Fn + ,*** / **<** = End ***Fn + .*** / **>** = Page Down

Fn + J = Ins ***Fn + K*** = Home ***Fn + L*** = Page Up ***Fn + M*** = Delete

Fn + WIN = Win Lock/Open *(Win key is unlocked by default, WINLOCK key's light is always on in red when locked)*

Multimedia functional keys:

Fn + A = Pause/Play ***Fn + S*** = Prev. ***Fn + D*** = Next

Fn + F = Mute ***Fn + G*** = Volume - ***Fn + H*** = Volume +

Layer related functional keys:

Fn + Q = To turn on/off Online mode

Fn + W = To turn on/off Offline mode 1 (layer 1)

Fn + E = To turn on/off Offline mode 2 (layer 2)

Fn + R = To turn on/off Offline mode 3 (layer 3)

Bluetooth related functional keys:

Fn + Space = Bluetooth On/OFF. Shift to USB-wired communication mode or shift to communicating with the Bluetooth device last time.

Fn + Z = Long press to twinkle "Z" (twinkle between red and green) waiting for pairing with bluetooth device 1.

Short press to connect to bluetooth device 1 or stop communicating with bluetooth device 1(twinkling blue light on "Z" for 20 Sec.).

Fn + X = Long press to twinkle "X" (twinkle between red and green) waiting for pairing with bluetooth device 2.

Short press to connect to bluetooth device 2 or stop communicating with bluetooth device 2(twinkling blue light on "X" for 20 Sec.).

Fn + C = Long press to twinkle "C" (twinkle between red and green)waiting for pairing with bluetooth device 3.

Short press to connect to bluetooth device 3 or stop communicating with bluetooth device 3 (twinkling blue light on "C" for 20 Sec.).

Fn + Tab = Long press for more than3 seconds to switch on or switch off the keyboard. *(*The keyboard will be switched on and enter the status before last switch-off when connect with a working PC's USB port.)*

****Alt*** (Right): This key is twinkling red when the built-in battery is low-voltage, you'd better connect the keyboard to a USB port to charge. This key's light is always on yellow when charging.

Parameters

Product mode: iGK64s-bt

Interface: USB Type-C /Bluetooth

Keys: 64

Built-in battery: 3.7V/750mAh rechargeable lithium battery

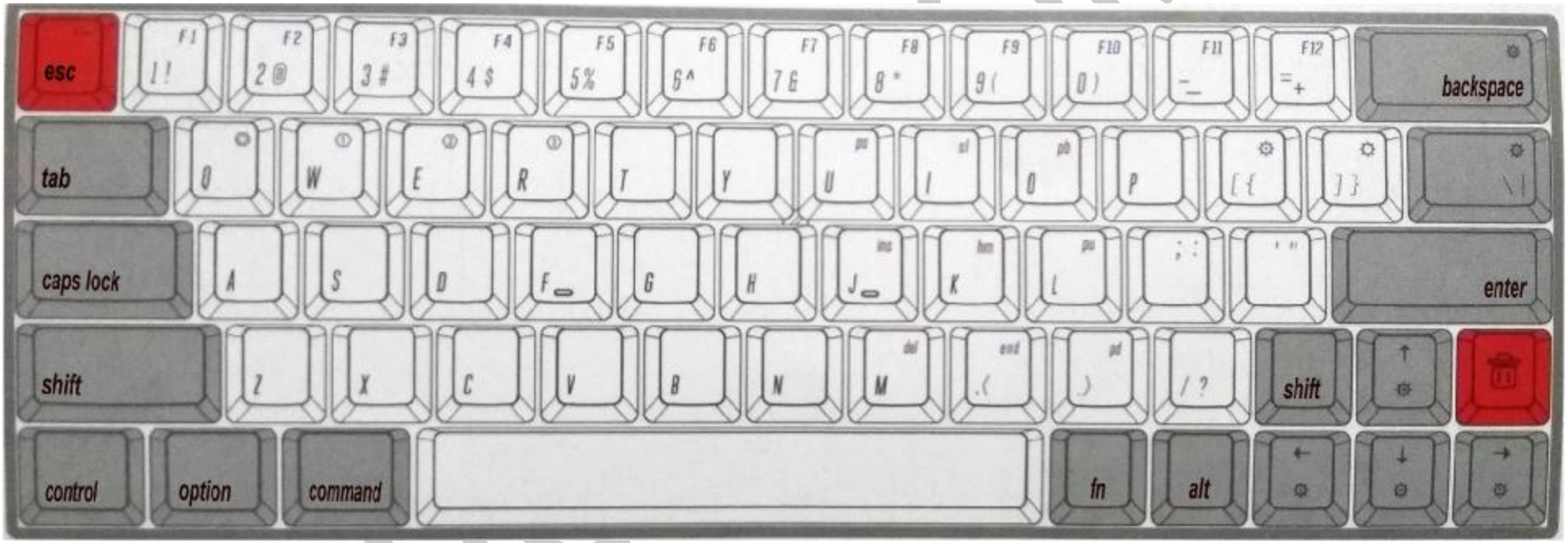
Backlight: definable RGB light

Mechanical switch: hot swap switch

Power: 5V, 380mA

Appendix

A Mac OS layout for the keyboard in factory settings, this layout is in offline mode 2 (layer 2), please press Fn + E to enter/escape this mode, certainly, keys in this mode may be user-redefined by using the driver software.(See driver software manual which may be downloaded freely from our web: www.pc-100.com)



In this layout:

Fn + 1 = Shift +1 ***Fn + 2*** = Shift +2 ***Fn + 3*** = Shift +3 ***Fn + 4*** = Shift +4 ***Fn + 5*** = Shift +5

Fn + 6 = Shift +6 ***Fn + 7*** = Num7 ***Fn + 8*** = Num8 ***Fn + 9*** = Num9 ***Fn + U*** = Num4

Fn + I = Num5 ***Fn + O*** = Num6 ***Fn + J*** = Num1 ***Fn + K*** = Num2 ***Fn + L*** = Num3

Fn + M = Num0 ***Fn + <*** = Num00 ***Fn + >*** = Num. ***Fn + /*** = Num/ ***Fn + P***= Num*

Fn + - = Num- ***Fn + +*** = Num+ ***Fn + Esc*** = `

In offline mode 2 (layer 2), space key is defined as Fn3 which is short pressed to output space char and is holding pressed to open offline mode 3(layer 3), thus:

Space + 1 = F1 ***Space + 2*** = F2 ***Space + 3*** = F3 ***Space + 4*** = F4 ***Space + 5*** = F5

Space + 6 = F6 ***Space + 7*** = F7 ***Space + 8*** = F8 ***Space + 9*** = F9 ***Space + 0*** = F10

Space + - = F11 ***Space + +*** = F12 ***Space + U*** = PS ***Space + I*** = SL ***Space + O*** = FB

Space + J = Ins ***Space + K*** = HM ***Space + L*** = PU ***Space + M*** = Del ***Space + <*** =End

Space + > = PD ***Space + Esc*** = ~

Space + R = Ctrl+R ***Space + S*** = Ctrl+S ***Space + T*** = Ctrl+T ***Space + C*** = Ctrl+C ***Space + V*** = Ctrl+V