



SURMEN



GT61 MECHANICAL KEYBOARD

User Manual

Instructions for use

1.1.1 Power and charging instructions:

When the battery voltage is lower than 3.4V, the red light of the ESC key flashes quickly. Insert the TYPE-C data cable to enter the charging state, the red light is always on.The current light effect will be restored when the battery is full.

1.1.2 Connection mode indication:

FN+Y wired mode: After the connection is successful, the blue backlight of the whole area flashes three times, and then the current light effect is restored.
FN+E Bluetooth mode 1:The button indicator lights green, the green light of the E key flashes quickly when the channel is broadcasting, the green light of the E key flashes slowly when the channel is connected, the current light effect will be restored after the connection is successful.
FN+R Bluetooth mode 2: The button indicator lights blue, the blue light of the R key flashes quickly when the channel is broadcasting, and the blue light of the R key flashes slowly when the channel is connected. After the connection is successful, the current light effect will be restored.
FN+T Bluetooth mode 3: The button indicator lights yellow, the yellow light of the T button flashes quickly when the channel is broadcasting, and the yellow light of the T button flashes slowly when the channel is connected. After the connection is successful, the current light effect will be restored.

1.1.3 Bluetooth pairing:

Long press the FN+E/R/T combination key 3S, the keyboard enters the code matching state, the backlight flashes quickly, and the backlight of the device is connected to the normal backlight mode. If the backlight of the device is not connected, the backlight is off, and the keyboard enters sleep.

1.1.4 Reconnect instructions:

After the keyboard is turned on or wake up from sleep, it will only reconnect to the current device; if the reconnect is unsuccessful, it will go to sleep. After the key is woken up, it will continue to reconnect.

matching fails, the keyboard will go to sleep but will retain the last successful code matching data. The backlight flashes slowly during the Bluetooth reconnection process, and the backlight returns to the normal backlight mode after connection. Pressing the button during the reconnection process can extend the reconnection time. Within 10 seconds from the release of the button, the reconnection fails, the backlight is off, and the keyboard enters. Sleep, if pairing is successful, it will enter pairing mode again. After pairing fails, the keyboard will go to sleep but will retain the last successful pairing data.

1.1.5Additional mode:

CAPS mode: Turn on the CAPS (Capital Lock) indicator light is multiplexed in the matrix, and it lights up in red when it is turned on. The current light effect will be restored when it is turned off. (For Apple devices to enter capital letters, you need to hold down the Shift key.)

FN+WIN=Lock WIN key: Switch the WIN key lock mode (press again to release). The indicator light is multiplexed in the matrix, it lights up red when it is turned on, and restores the current light effect when it is turned off.

FN+Spacebar: Enter the second mode (turn on all secondary functions except + B1.B2.B3.USB as the main unction, and the space bar indicator lights up in white) Press the space bar to close the second mode. When the second mode is closed, the space bar restores the current [ight effect **FN+Right Shift:** (Turn on the direction key as the main function, SHIFT key bright white light) Press FN+Right SHIFT again to turn off, the current light effect of SHIFT key when it is off

FN+ Backspace: (turn off the light/press again to turn on the [ight)

FN+TAB: Switch the backlight color, the color sequence is: red, yellow, green, ice blue, blue, purple, white, mixed light.

FN+" \adjust the backlight mode, the mode sequence is: always on (default), breath, neon, light ave, ripple,

raindrop, snake, follow.

1.1.6 EQUIPMENT NAM Ъ

Display after BT3.0 connection: BT3.0 KB

Display after BT5.0 connection: BT5.0 KB

1.1.7 service distance: >10m 360°(under external environment interference)

1.1.8 Bluetooth connection time: less than or equal to 5S

1.1.9 Compatibility:

Bluetooth:compatible with all Bluetooth donggle in the market. Bluetooth 5.0 needs to support win8 or above system,tablet and mobile phone

1.1.11 electrical specifications (for reference only)

Recharging current	800mA
Maximum brightness current of wire	170mA
Bluetooth 3.0 maximum brightness working current	95 mA
Bluetooth 3.0 sleep current /Deep sleep current (Enter deep sleep after 30 minutes of stand by)	0.58mA/0.34mA
Bluetooth 5.0 maximum brightness working current	95mA
Bluetooth 5.0 sleep current /Deep sleep current	0.58mA/0.34mA

1.1.12 scheme framework: ry501+bk3632

1.1.13 Working voltage: 3.7V

1.1.14 Working mode: wired,Bluetooth 3.0 Bluetooth 5.0

1.1.15 RF power: the RF power of keyboard is 1 . 0 5 dBm;that of receiver is 1 . 0 5 dBm

1.1.16 Operating frequency:2402MHz-2480MHz

1.1.17 System requirements

interface USB

Operating system Compatible with Windows 2000 or above and Mac operating system,ble supports win8 or above

Combination key description

Combination keys	Function	Combination keys	Function
FN+ESC		FN+U	PRT SCR
FN+1	F1	FN+I	Serik
FN+2	F2	FN+O	PAUSE
FN+3	F3	FN+J	INS
FN+4	F4	FN+K	HOME
FN+5	F5	FN+L	PageUp

FN+6	F6	FN+M	Delete
FN+7	F7	FN+, V	End
FN+8	F8	FN+>	PageDown
FN+9	F9	FN+/?	T
FN+0	F10	FN+ Right Alt	<---
FN+-	F11	FN+ Right Ctrl	T
FN+::	F12	FN+Menu	;
FN+I	Switch lights	FN+Win	Win key lock/unlock
FN+TAB	Switch the backlight color	FN+Y	wired
FN+;	brightness-	FN+E	Bluetooth 1
FN+^	brightness+	FN+R	Bluetooth 2
FN+[speed-	FN+T	Bluetooth 3
FN+]	speed+	FN+F	Mute
FN+A	Pause playback	FN+G	volume-
FN+S	previous piece	FN+H	volume+
FN+D	next track		

FN+Spacebar Enter the second mode. Press the spacebar to close.

FN+Right Shift Turn on/offthe direction key as the main function

FN+Backspace Turn on/offthe light

FCC Caution.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by

the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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