inland™

KB21 USER MANUAL

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Product Name : KB21 Mechanical Numpad

Product type：Tri-Mode RGB mechanical numeric numpad

Model: KB21

Number of keys: 21 keys

Connectivity: multi-modes(Bluetooth/2.4Ghz/USB-C wired)

Hot Swappable: Yes

Battery Capacity: 1200mAh

Backlight: RGB backlight

Software: Available

Compatible Switch Type: 3 pin or 5 pin switches, such as /Gateron/Cherry/Kailh/Otomu etc.
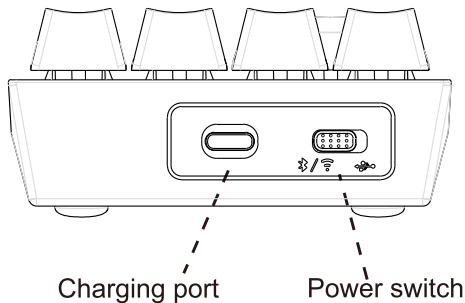
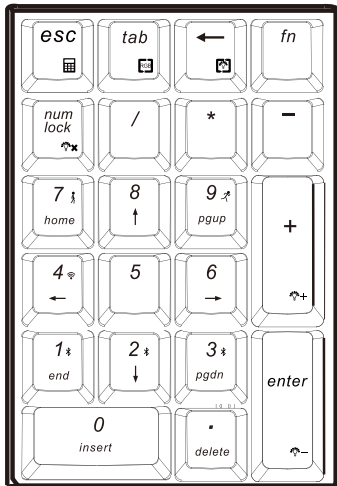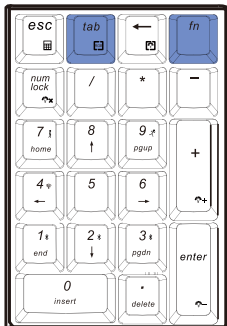Factory-lubed stabilizer

Metal locating plate

1.Characteristic

• USB 2.0 Full-Speed interface, supporting 1000 reporting rate

• supporting full keyboard Conflict-free input (diode mode)

• supporting systems:Winxp/Win7/Win8/Win10/Android/Apple and other operating systems

• flash power down memory

•With Windows driver software, the device can be fully configured

• LED light

☐ each LED is independently controlled and supports 256 level PWM

☐ real full-color control, 16million RGB backlight

☐ support 6 theme lighting effects, 18 cool lighting effects in total

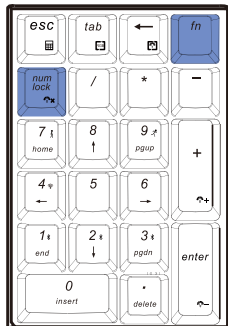## 2. Function description

Charging port   Power switch

3.Numpad layout:

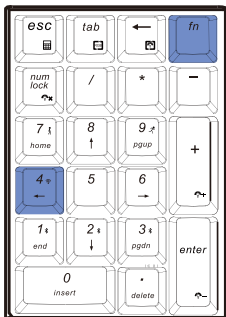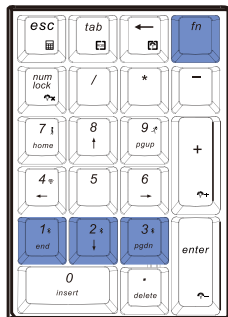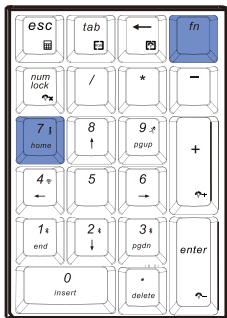| esc ▦ | tab ▣ | ← ▣ | fn |
num lock ⚡×	/	*	−
7 home	8 ↑	9 pgup	+ ⚡+
4 ←	5	6	
1 end	2 ↓	3 pgdn	enter ⚡−
0 insert	. delete		

FN+TAB
Toggle light color

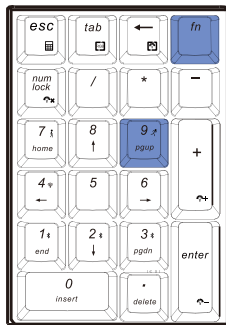FN+NUM
Turn off light effects

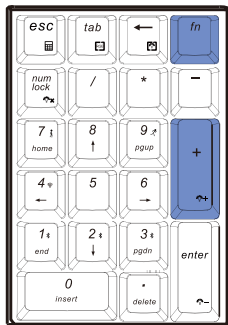FN+ 4
Enter 2.4G mode

FN+1/2/3
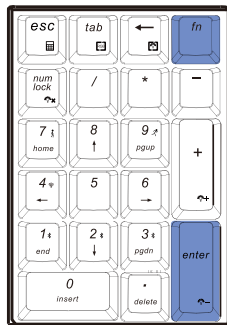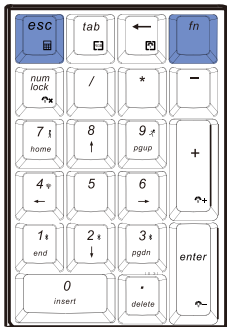Enter Bluetooth mode

FN+7
Light speed slows down

FN+9
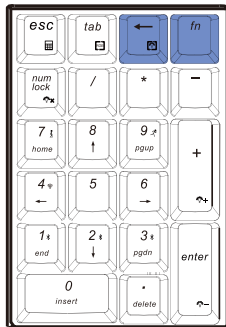Light speed increases

7

FN++
Increase brightness

FN+ENTER
Reduce brightness

FN+ ESC
Short press to the calculator
Press and hold for 3 seconds
to reset

FN+backspace
Toggle light mode

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4.FN combined key function

Key combination		Function	Describe
FN+	ESC	Calculator	Long press 3S to reset
	TAB	Color switching	Press the combination key, all LEDs will display different colors, press any key, and select the corresponding color to display
	BACKSPACE	Light mode switching, default streamer, upper to lower streamer	The trial of light, Breathing, Constant brightness, Drifting with the waves, Colorful clouds, Twists and turns, Ripples, No trace in the snow, Running away from the dust, Flowers blossoming, Starry, Meteors catching the moon, Dapen wings, Accumulation, Falling rain, Left and right, Unity, The fast and the furious
	NUM	Turn off the light effect	
	9	Faster speed of lighting	There are 5 gears in total, and the speed is adjustable
	7	Slower speed of lighting	There are 5 gears in total, and the speed is adjustable
	+	Light intensity+	0%-25%-50%-75%-100%
	ENT	Light intensity-	100%-75%-50%-25%-0%
	1	BT5.0 KETBOARD-1	
	2	BT5.0 KETBOARD-2	
	3	BT5.0 KETBOARD-3	
	4	2.4G	
	5	Wired	Default wired mode

5. Lighting effect description

After power on, the light will run around the keyboard and go out. After running all the keys, the light will return to the state before power off.

Name	Adjustable				Description
	brightness	speed	color	direction	
The trial of light	√	√			The full keyboard shows a solid color and the light changes slowly
Breathing	√	√	√		The brightness of the whole keyboard changes according to the breathing curve
Constant brightness	√		√		Full keyboard light is on constantly
Drifting with the waves	√	√	√	√	The light likes wavy and flows horizontally
Colorful clouds	√	√	√	√	The light likes flowing cloud and flows horizontally
Twists and turns	√	√	√	√	The light wraps around the center of the keyboard
Ripples	√	√	√	√	After triggering the key, the light will around the trigger key spread
No trace in the snow	√	√	√		Press the key to keep the light on, and the light will be tail-off to show when released
Running away from the dust	√	√	√		After the key is triggered, the trigger point spreads horizontally to both sides
Flowers blossoming	√	√			RGB：Key lighting colorful display
Starry	√	√	√		The light sparks like stars, and the color of each light will cycle through
Meteors catching the moon	√	√		√	The light is displayed in a colorful gradient line by line
Mirs spreading their wings	√	√	√		The light simulates the bird flapping its wings
Digital generation	√	√	√		The light is displayed row by row from top to bottom, interspersed and flowed
Accumulation	√	√	√		The light moves closer to the middle from both sides and displays in a loop, and then the light spreads to both sides
Left and right	√		√		The light swings left and right to display, and the playback speed increases with the speed of the keys
Unity	√		√		The full keyboard displays a solid color, when the key is input, the display color deepens, and when there is no key input, the color restores
The fast and the furious	√			√	Light converges/diffuses at the center of the keyboard, and playback speed increases with faster keys

6. Mode setting and pairing

6.1 A power switch on the back controls the lithium battery power supply
a. Connect the USB cable to the PC, the wired mode is the priority.
b. Connect the USB cable and plug in the power supply, adaptor and other non-system USB ports, still in wireless mode.

6.2 If you do not move the keyboard for 3 minutes, the keyboard will automatically enter the first-level sleep state. At this time, the light is turned off, and the Bluetooth or 2.4G is connecting. When the key is awakened, there is a key output at the same time and the wireless is in a disconnected state. No response when press the keyboard key for the first time. When the keyboard is woken up; it will automatically reconnect.

6.3 The working current is less than 100mA. In the first-level sleep mode, the current is less than 300 uA. In the second-level sleep state, and current is less than 30 uA.

7. **Support wireless mode switching, pairing and code pairing:**

Bluetooth :
FN+1,FN+2,FN+3 (short press to switch, long press to pair)
The Corresponding key light indicates that it flashes quickly when pairing, and
flashes slowly when reconnecting. After the connection was successful, the 1-key
light stays on for 2 seconds and then returns to the overall backlight effect.
If the pair cannot be paired within 1 minute, it will automatically enter the sleep state;
When connecting back, if the connection is not successful within 20 seconds,
it will automatically enter sleep.

2.4G : FN+4 (short press to switch, long press to pair)
The 4-key light indicator, flashes quickly when the code is paired, and flashes
slowly when reconnecting. After the connection was successful, the 4-key light
stays on for 2 seconds and then returns to the overall backlight effect.
If the pair cannot be paired within 1 minute, it will automatically enter the sleep state;
When connecting back, if the connection is not successful within 20 seconds,
it will automatically enter sleep.

8.Battery indicator:

Lithium battery (3.7V): When the battery voltage is lower than 3.3V, the red indicator light of the 0 key on the keyboard flashes, and when charging, the red indicator light of the 0 key is always on. When fully charged, the 0 key will follow the backlight, and the keyboard will automatically shut down when it is lower than 3.1V. After automatic shutdown, the key is invalid, and the low battery indicator lights up, indicating that charging is required at this time.

What's in the Package?

-1x KB21 Mechanical Numpad

-1x USB Type-C Cable

-1x 2.4G receiver

-1x User Manual

-1x Keycap puller

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
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
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.