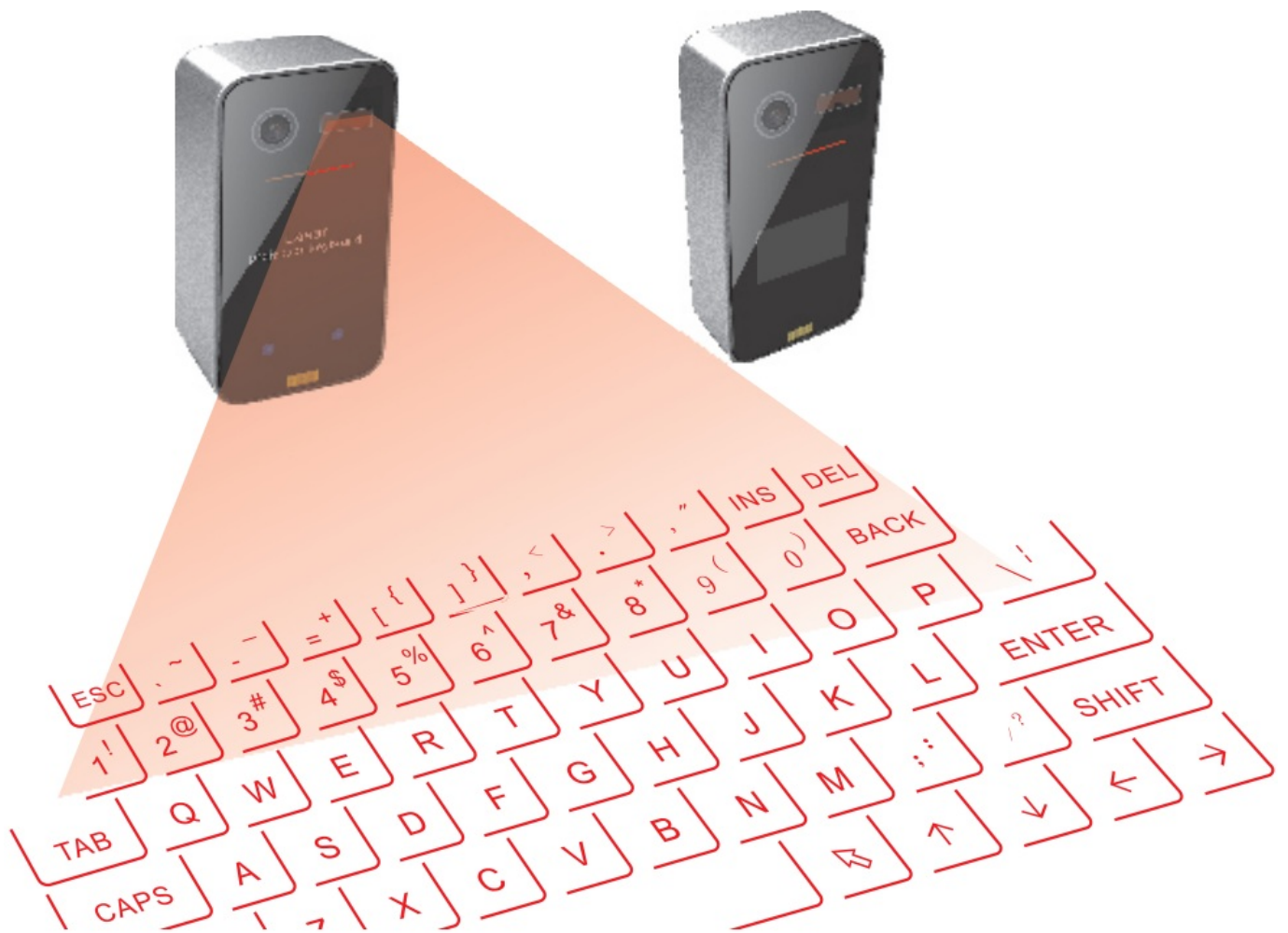


# MIANYANG KB560S Laser Projection Keyboard User Manual

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**MIANYANG KB560S Laser Projection Keyboard**



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## Product Features

- English QWERTY keyboard layout.
- Truly portable design: perfect for on-the-go
- Full size key pitch and shortcut keys for ease of operation
- Superior durability (No moving component inside)
- Built-in Lithium-ion Polymer rechargeable battery for mobility and convenience

- Compatible with latest operating systems: Windows XP & later, Windows Phone 7 & later, iOS & later, Android 4.0 & later, Mac OS X & later.

## Package Contents

- Laser projection keyboard
- USB Cable
- User's Manual

## Safety Precautions

1. Avoid exposing this product to direct sunlight for extended periods of time, and keep it away from heat sources.
2. There is a risk of malfunction if product is used in places where sudden or extreme temperature changes occur.
3. Applying excessive force or impact to this product may result in product damage, and will void warranty.
4. Never attempt to disassemble or service this product yourself. Doing so can result in electrical shock and will void the warranty.
5. This is a Class 2 Laser product. For your safety, please do not stare directly into the laser source. Doing so could damage your eyes.
6. Avoid placing any object within the space between the main unit and the laser projection keyboard layout.
7. Please do not use this product on uneven or irregular surfaces. Place the product on a flat surface. Avoid table or surface that is as transparent or reflective as glass or mirror.

**Note:Because** this product uses infrared rays, strong infrared radiation from direct or reflected sunlight or from tungsten (halogen or incandescent) lighting may cause operating error.

## Identifying Parts and Their Functions

1. Projector: laser projects an image of keyboard pattern onto a flat surface in front of the typist
2. Sensor: detects reflection of infrared and triangulates the location to determine a keystroke
3. IR Light: emits an invisible plane of light to blanket operational area

## LED Indicator

### Left LED

Searching bluetooth device	Blue(Blinking)
Successful ocarina	Blue out

### Right LED

"SHIFT" Tap	Blue
"SHIFT" Cancel	Blue out
Text Inout	BlueBlinkinal
Low battery	Red(Blinking)
Battery charging	Red

Display:Icon: (product with a OLED screen)

 /  : Keyboard / Mouse mode



: "Shift" status,"Shift" lap: Solid , "Shift" cancel: No display.

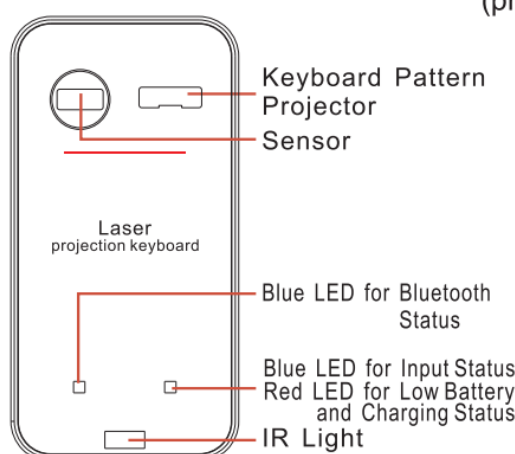


:Bluetooth status, searching :blinking, succes full pairing: solid.



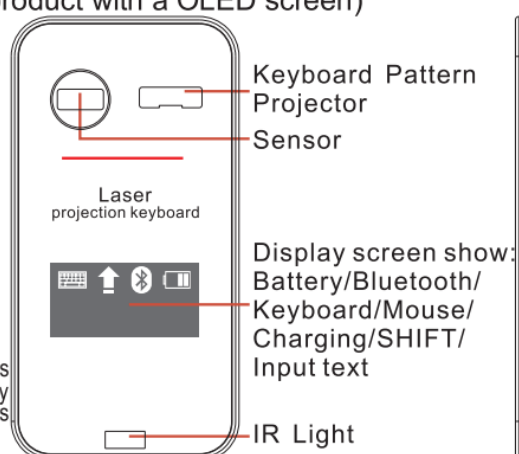
: The battery power display and charging statusz

## FRONT VIEW

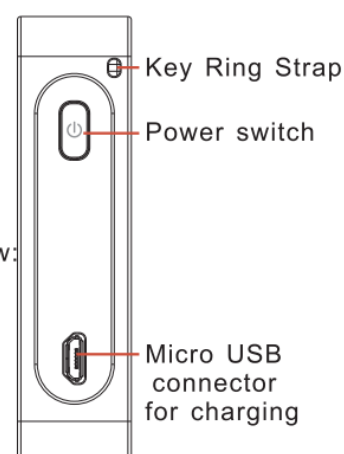


## FRONT VIEW

(product with a OLED screen)



## SIDE VIEW



## Connecting via Bluetooth

- Laser Projection Keyboard supports Bluetooth HID: Key Ring Strap Power switch Micro USB connector for charging
- Connection via Bluetooth HID does not require installation of separate driver as long as the host device has HID compatibility.
- Bluetooth 2.1 or higher required for connecting to some devices.


**Note:** Laser Projection Keyboard will automatically attempt to re-connect to the recently connected devices. If no previous device is found then it will listen for a new connection with any available HID compatible device.

## Bluetooth Connection Instruction

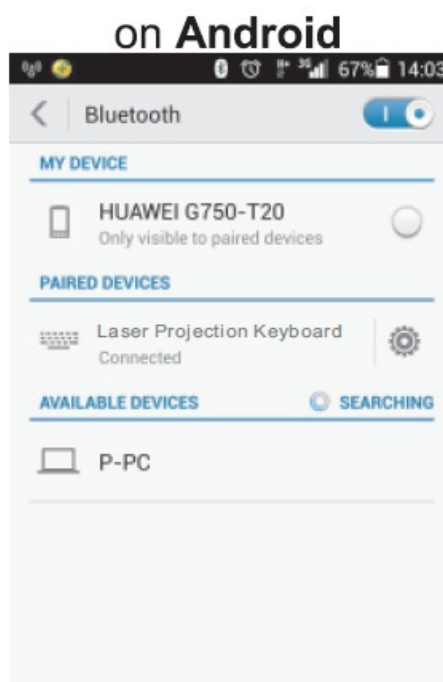
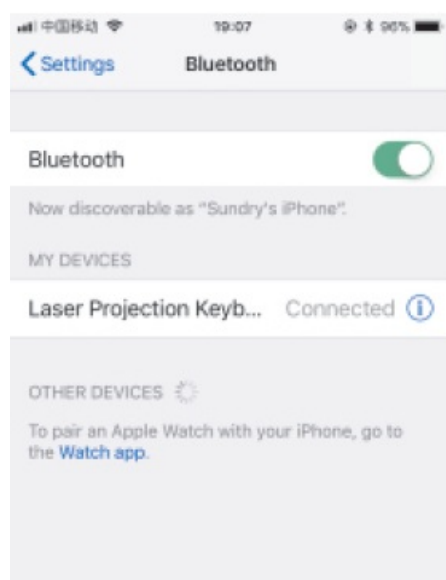
1. Power on Laser Projection Keyboard
2. Left blue LED will be blinking indicating the Laser Projection Keyboard is searching for a new device or previously paired devices within its proximity. Laser Projection Keyboard will automatically attempt to re-connect to the recently connected devices This feature is added for convenience, assuming there

is a single host device.

If the Laser Projection Keyboard has re-connect the recently connected devices but it needs pair for a new device, Turn the connected device Bluetooth off, the left blue LED will be blinking again.

3. On primary device, go to Bluetooth setting; search for Bluetooth devices.
4. When the device discovers "Laser projection keyboard", tap to connect.
5. Upon successful pairing, the LED will stop blinking and go out. The status indication of the product with a OLEO screen's bluetooth connection is the icon  on the screen. searching :blinking, successful pairing: solid.


Screenshot of successful pairing on iOS



## Special Function of "SHIFT" Key

Normally we need press "Shift" key all the time on the normal keyboard. To improve Laser Projection Keyboard typing convenience and accuracy, this product has special using method.

We need type "Shift" key only one time and the function of shift will keep. meanwhile the right LED light turn blue, which we called "locking shift". Press "Shift" key again to cancel the shift function, meanwhile the right blue LED light will stop.

The status indication of the product with a OLEO screen's "Shift" is the "t on the screen. If the shift been locked ,  
 "ton screen keeping solid.

**Note:** If the right LED is keeping blue, or the  on screen keeping solid, which means "Shift" key has been locked.

## Power Saving Mode Guide

- The brightness will change to low level if there is no operation on the keyboard within 30 seconds. Press any key to resume to standard brightness. Factory default brightness is the highest level during power on.

- The product will be automatically standby if there is no operation on the keyboard within 5 minute. Press Power Switch to restart the product.

## Making Adjustments


### Sound Feedback Adjustment


- There are total of 5 levels;sound level remains as adjusted when device is turned off and on.
- To increase sound level:Tap and hold “FN” key and tap “RIGHT” arrow key.
- To decrease sound level:Tap and hold “FN” key and tap “LEFT” arrow key.

### Projection Brightness Adjustment

- There are total of 4 brightness levels.
- To increase brightness:Tap and hold “FN” key and tap “UP”arrow key.
- To decrease brightness:Tap and hold “FN” key and tap “DOWN”arrow key.

## Mouse Mode

To change keyboard mode to mouse mode on the keyboard, press the  key. The projection keyboard brightness will change to low level.

To Change mouse mode to keyboard mode, on the keyboard, press the  key. The projection keyboard resume to standard brightness.

+Mouse/cursor function is available on devices that support such feature (Most Windows,Android and Mac OS).

Note: iOS devices do not support mouse function.

Note:If the Laser Projection Keyboard brightness change to low level,and tap the keyboard has not any response,please confirm whether it into mouse mode,Press the~ key change to keyboard mode

Default mode on power on is keyboard function



## SPECIFICATION

<b>Pattern Projector</b>	
Light Source	Red Laser Diode
Keyboard Layout	Approx. 19mm Pitch, QWERTY Layout
Keyboard Size	Approx. Width : 240mm, Height: 100mm
Keyboard Location	Approx. 90mm from the bottom of device
Project Surface	Non-reflective, opaque flat surface
<b>Keyboard Sensor</b>	
Recognition Rate	Approx. up to 350 characters per minute
Operating Surface	Any firm flat surface
<b>Electrical Characteristics</b>	
External Power Supply	USB Power / less than 5V 500mA
Battery & Capacity	Lithium-ion Polymer Battery, 700mAh(MAX)@ 3.7V
Battery Operating Time	Approx. 120min
Battery Charging Time	Approx. 120min
Bluetooth	V3.0, HID Profile Ver 1.0
Frequency Range	2402-2480MHz
Channel	79
Modulation	GFSK
<b>Dimensions and Weight</b>	
Size (mm)	78mm x 40mm x 20mm
Weight (g)	Approx.60 g

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

## Documents / Resources

	<p><a href="#">MIANYANG KB560S Laser Projection Keyboard</a> [pdf] User Manual KB560S, 2BD2H-KB560S, 2BD2HKB560S, Laser Projection Keyboard, Laser Projection, Projection Keyboard, Projection, KB560S Laser Projection Keyboard, Keyboard, KB560S Keyboard</p>
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## References

- [User Manual](#)

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