User's Guide

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FN+B Clear the current Bluetooth pair and search status

: Press and hold "MENU" key + Space key

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1 2 P 3 4 5 5 6 6 7 8 8 9 0

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GT-19308

A new message will display on your Android device: "Bluetooth pairing request", and

click " OK " to pair with the laser keyboard. 12

ANDROID system: Press and hold "SHIFT" key + Space key

Bluetooth start new searching.

FN+P Switch on/off key stroke sound

FN+↑ Increase the keyboard brightness

FN+↓ Lower the keyboard brightness

Adjusting keyboard brightness:

key stroke sound.

Language input Switch

Note: Please restart the device after clearing the current Bluetooth search status so that

Note: when users press every key on the projected keyboard, the device will make "beep"

IOS systlem: Press and hold "SHIFT" key+press any of the above shift keys.

ANDROID system: it depends on input method, normally Press and hold "SHIFT" key +press any of the above shift keys. In a few case that press "SHIFT" key, then loose and press any of the above

Certifications

€0890



• FCC

ISO 9001

ROHS





● FDA: CLASS II



### 1. Product Overview

- Compact and ultra-portable for mobility
- English QWERTY keyboard layout
  Easy connection via Bluetooth 3.0 HID profile or USB
- Lithium-ion Polymer rechargeable battery, Mini-B Type charge interface
- Compatible with latest operating systems: Windows XP/VISTA/7, Windows Phone 7, IOS4/5/6/7/8 (iPhone and iPad)
  Android 3.1 higher, Mac OS X.

### 2. Package Contents

- Laser keyboard
- USB cable
- User's Guide

Note: when press in "SHIFT" combination with any of the above shift keys, please press and hold them both with your fingers of right and left hands at the same time, as two fingers from one hand pressing and hold two key at the same time casily block sensor light.

USB Connection Terminal

Interface Specification: USB HID keyboard Input Power: 1A 5V USB charge

### 4. Using Laser Keyboard

This product is used as keyboard via Bluetooth HID and USB HID connection This device is compatible with all USB HID capable operation system, USB HID connection allows plug-n-play without installing a separate driver.

4.1 USB HID Connection Instruction

- Connect laser keyboard and host device using supplied USB cable, and your host vice must support USB HID.
- Turn on laser keyboard.
   Green LED indicates proper connection. If LED indicates blinking red, it is charging.

## 4.2 Bluetooth HID Connection Instruction

Connection via Bluetooth HID Compatible with All Microsoft OS, IOS4/5/6(iPhone and iPad), Android 3.1 Up, Mac OS X

Laser keyboard support Bluetooth HID, it's connection does not require installation of separate driver. It only needs pairing with your device for one time and automatically register it, if the user wants to connect it with another device, it require to clear the previous paired device by pressing and hold "I-N+B" on the projection keyboard.

- Power on device
  Press and hold "FN+B", device become pairing status after beep sound , then shuddown and restart this device ones, it can be researched by other host.

  Blue LED with flash fast indicates that the device is ready to pair

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# Bluetooth pairing request

sstul pairing, blue "Laser keyboard connected" will be displayed on your Android device.

Safety Precautions

Avoid exposing this product to direct sunlight for extended periods of time, and keep it away from heat sources.
 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 Applying excessive force of impact to this product may result in product damage, and will void warranty.
 To ensure safety and prevent damage, use only the dedicated mini-USB to USB cable

supplied with this product.

5. Never attempt to disassemble or service this product yourself. Doing so can result in

electrical shock and will void the warranty.

electrical snook and will vote the warranty.

6. Avoid placing any object within the space between the main unit and the laser projection keyboard layout.

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.

### 3. How this product works

When the user presses a key on the projected keyboard, the infrared layer is interrupted. This produces IR reflections that are recognized by the sensor in three dimensions, allowing the system to assign a coordinate.

- Avoid direct sunlight
   Avoid low color temperature light source, such as tungsten, halogen, or incandescent
- Avoid putting any objects within the space between the main unit and the laser projected keyboard layout.

use this product uses infrared rays, strong infrared radiation from direct or reflected sunlight or from tungsten (halogen or incandescent) lighting may cause operating error

- Scan Bluetooth device from your host(phone or PC or PAD)
   On IOS, tap on Settings-General-Bluetooth





Ø Click "Laser keyboard " to pair

Ulti-touch Mouse Function : 1. FN+ 🔯 start mouse function while keyboard pattern dark. Mouse move: Control the cursor move your finger freely in any direction within operational area. Left mouse button : one finger click. Right mouse button two fingers click simultaneously. Scroll mode: Click and hold with two finger, slide and move up and down. FN+ 💢 exit mouse and switch keyboard function. Mouse function only supports Android system. For IOS system, users need to download BTC Mouse & Trackpad App in it then can be used FN+K power on/off voice speaker (only letters and part function key)

### 4.4 Laser keyboard key stroke sound adjustment

Press and hold "FN" key and press left arrow key to increase volume

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> Press and hold "FN" key and press right arrow key to decrease volume



This device complies with Part 15 of the ECC Rules. Its operation is subject to the following

(1) This device may not cause harmful interference, and

FCC Compliance Information

(2) This device must accept any interference received, including interference that may cause undesired operation.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FCC Class B Notice

Note: This product 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 product 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 product does cause harmful interference to radio or television recention, which can be determined by turning the equipment off and on, the user is eception, which can be determined by untiling the equipment of and on, the user is encouraged to try to correct the interference by one or more of the following measu 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

Consult the dealer or an experienced radio/TV technician for help.

Laser Keyhoard Lise:



> Successful pairing will be indicated by "Connected" message, and blue LED stop



- 4.3 Connection to Android devices
- ➤ Navigate through Android as follows: Home → Main Menu→ Settings→ WIRELESS & NETWORKS→ Bluetooth.
- Turn on the Bluetooth on Android, From the same screen, with Bluetooth ON, tap on Scan devices.

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# 5. SPECIFICATION

Item	Description
Keyboard light source	Red laser diode
Keyboard layout	Approx.19mm incline, sized QWERTY layout
Projection size	250mm(W)*110mm(H)
Keyboard location	Approx. 100mm from keyboard device
Required projection surface	Non-reflective, opaque flat surface
lectrical Characteris	tics
Item	Description
Recognition rate	Over 350 characters per minute
Operation Surface	Any opaque flat surface
Physical Dimension	38mmx75mmx18mm
weight	Approx. 47g
Power source	The USB power, Lower 1A @ 5V
Battery capacity:	Polymer rechargeable battery, 1000mAH(MAX) @ 3.7V
Battery working time	120 minutes
Battery charging time	200 minutes
USB interface	USB 1.1 and 2.0. USB HID Ver. 1.0
Bluetooth	V3.0(class 2), HID Profile Ver. 1.0
Frequency Range	2402-2480MHz
Channel	79
Modulation	GFSK
nvironmental Condit	ions
Item	Description
Working Temperature	Approx10~40° C/90%RH

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