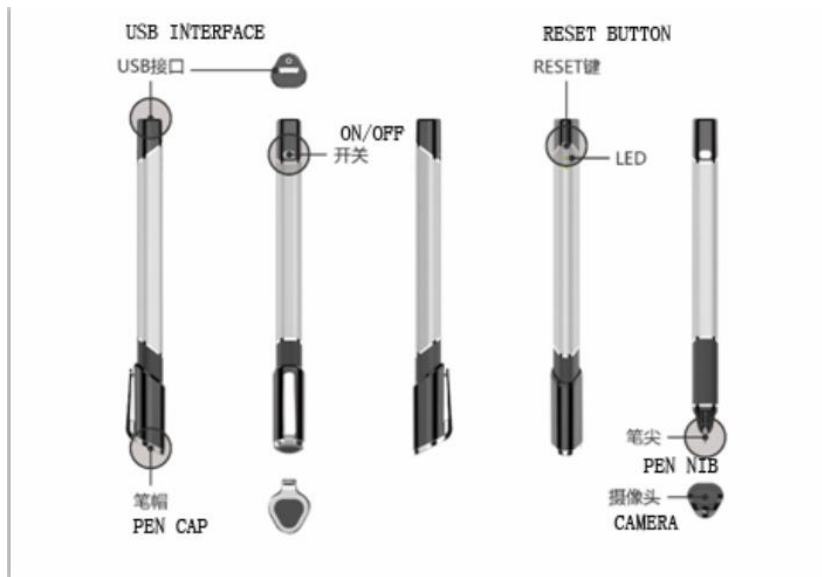# T-ONE Smartpen Manual b1.3

NEED TO KNOW：

At the first time for use,The Smartpen must be matched to the bluetooth device first (refer to the instruction of how to match the blue tooth).

If the first time match successfully, the pen can identify the same bluetooth automatically and be used directly without matching.

Power on/off：

Pen can start after long press the power switch for 3 second.

Pen can start automatically once the refill under presure(Auto start,user can shut down this function from the APP setting).

once the power on, the buzzer beeps and the LED light turns white.

After long press the power switch for 3 seconds,the LED light will turn off after flickering 3 times,and the pen will shut down after buzzer beeps.

If stop using the pen for 20 minutes, the pen will shut down automatically (user can adjust the time interval from the APP setting).

Handwriting record and transfer mode：
offline mode(store first and transfer later)：

Remark：When the pen working without connecting Bluetooth, all handwriting record will be stored inside the pen memory, once connected the blue tooth, the date in the pen memory will be transferred automatically to the receiver device.

Synchronous transfer(writing and transferring in the meantime)：

Remark： If writing with connecting the blue tooth, the handwriting record will be transferred to Bluetooth device, the pen memory doesn't keep any date.

The definition of LED light color：

| indication mode	LED color	indication mode	LED color
power on	the white LED long lights	insufficient memory	the yellow LED flickers
matching the bluetooth	the blue LED long lights	under recharging	the red LED long lights
connecting the Bluetooth	the white LED flickers	charging finish	the green LED long lights
low power alarm	the red LED flickers	in the process of software updating	the blue and green LED flickers alternately
software updated fail	the orange LED flickers		

Memory management and alarm：

memory occupation over 90% ⟶ the yellow LED flickers

memory occupation over 95% ⟶ the yellow LED flickers and the buzzer beeps (bi-bi-bi) continuously in short sound

Momory occupation 100% ⟶ the yellow LED flickers and the buzzer beeps (bi---)continuously in long sound,indicating there is not any memory in use, please connect the APP for cleaning the memory right now.

The correct writing mode:

The Smartpen discrimination is influenced by the angle of camear,if the angle of holding pen is not proper, or holding the pen in the opposite direction, the sensor doesn't work.
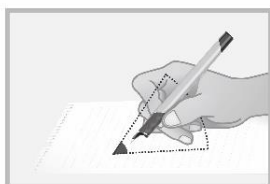
The angle of holding pen

Holding the pen without oppression and keeping the natural writing angle

Identifiable angle
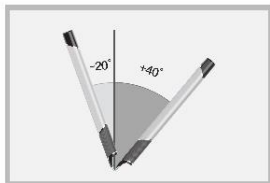
The pen can identify the angle of -20 degree and 40 degree (90 degree vertical standard)

The correct mode for holding pen
Keep the pen tip upwards when holding pen, please pay attention the position of holding pen.

The wrong mode of holding pen

If holding in wrong direction, such as the picture shown, the pen doesn't work.

1) The descrimination drops when the sensor inside is illuminated by sun or infored.

2）In the writing process, please don't block the sensor inside pen tip.

3）Don't press the pen tip.

4）It will influent the pen performance when dust or chip attach to the sensor, please keep the pen cap on when the pen not in use.

5）Once the pen tip with dust or chip on, please use a cotton swab for clean.

Battery charging mode：

Connecting computer with USB cable or use smart phone charger for charging Smartpen.

When under charging, the LED long lights in red, once chargng finishes, the LED long lights in green.

The camera will shut down after 10 minutes charging without working, but the charging still goes on till finish.

After removing the charger, smart pen shuts down automatically.

How match the bluetooth：

When the Smartpen in the first time for use, need to match the bluetooth, long press the power switch for 6 seconds, the LED flickers in blue indicating the pen enter the matching mode, after 3 seconds, LED will turn in white and the buzzer beeps bi, the pen and the bluetooth connected successfully.

Reset mode：

If the function fails or pen hanged with unknown reasons, long press the Reset button for 3 seconds for resetting the pen.

Specificaton

Model	TQL-101
System	Android 4.1 or higher；iOS 7.1 or higher（tentative）；Windowns 7 or higher（tentative）
Wifi	bluetoth 4.1/low power consumption
Memory	32MB（about storing content of 400 pages A4）
Transfer mode	synchronuous transfer / store first transfer later
Battery	3.7V 250mA Li-polymer battery
Charging time	1.5~2 hours
Charging spec.	DC 5.0V/500mA
Batter endurance	8hours for continuous writing
Environment	temperature：10-40 degree/humidity：~95%
Size/Weitht	size：171.4mm(L)*16.1mm(W)*20.2mm(H)/weight：27g;(with pen cap)

size：165.1mm(L)*13.3mm(W)*13.1mm(H)/weight：23g;(without pen cap)

Shape   fantion and science technoloty design

The above specifications are for reference only, any change is subjected to the actual shipment without notice.

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Name:               T-ONE Smartpen
Model:              TQL-101
Manufacturer:       Shenzhen Tent Qian Li Technology Co., Led.
Origin:             China
Production date:    Indicate on the product
Package: Smartpen、cable、refill（3pcs）、manual、bluetooth dongle（nonstandard）
```

BTDongle spart part manual

Remark: Applicable for the delivery with the smart pen.

Instruction：

1. Power input：USB 2.0 5V/500mA；

2. Button ： long press for 3 seconds to enter

   matching mode, the light flash in blue

3. Bluetooth indicate light

   1) Matchinng mode：blue light flash fast

   2) Connection success：blue light on

   3) non connection：blue light flash slowly

4. System：Windowns XP\Windowns 7\Windowns 10\MAC OS

FCC Statement

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.

To assure continued compliance,

 any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

RF warning statement:

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