**开 发 项 目 书**

**产品型号：**

**产品名称:** **蓝牙手环**

**立项目的:新立项**

**版 本：V1.0**

**建立日期：20150213**

|  |  |
| --- | --- |
| 工 程 部 | 业 务 部 |
|  |  |

Yī. Lìxiàng yāoqiú:  
1. Wàiguān:  
Àn kèhù tígōng yàngpǐn chāo bǎn  
2. Chuánshū fāngshì  
lányá 4.0  
3. Xiǎnshì fāngshì  
LED dēng xiǎnshì (diànchí dī diàn/chōngdiàn/chōngmǎn tíshì)  
4. Gōngdiàn  
45MA/H jùhé wù diànchí (cǎiyòng jīng gōng 3.0V duàn diàn bǎohù bǎn)  
5. Ànjiàn  
yīgè ànjiàn (MODE)  
èr. Gōngnéng miáoshù  
1: Jì bù (10 bù xiàn bù)0-999999;  
2: Chōngdiàn fāngshì: Cǎiyòng 3.5MM yīnpín tóu;  
3: Dī diàn tíshì: Diànchí zài xiǎo děngyú 10%shí hóng dēng shǎnshuò, měi shí fēnzhōng shǎnshuò 3 cì, zài dī diàn qíngkuàng xià, diànchí hái néng xùháng 12 xiǎoshí yǐshàng;  
4: Chōngdiàn tíshì: Hóng/lán dēng jiāotì shǎnshuò;  
5: Chōngmǎn diàn tíshì: Hóng dēng zhǎng liàng;  
6: Zhǎng àn 3S lányá kāi/guān, lányá dǎkāi shí lán dēng zhǎng liàng, lányá guānbì shí hóng dēng cháng liàng;  
7: Zhǎng àn 15S huīfù chūchǎng shèzhì,7 tiān míngxì shùjù hé zǒng bù shù quánbù qīng líng;  
8: Zhǎng àn 45s jìnrù gùjiàn shēngjí móshì;  
\*9: Kě tōngguò yīnpín chōngdiàn tóu shēngjí ruǎnjiàn (chōngdiàn xiàn xūyào yǒu USB zhuǎn chuàn cái yǒu cǐ gōngnéng)  
sān. Shùjù chúcún: Chúcún 7 tiān shùjù, shùjù 30 fēnzhōng chúcún 1 cì.

A project requirements:  
1. Appearance:  
According to customer provided sample copy board  
2. Transmission mode  
   Bluetooth 4.0  
3. Display mode  
   LED light display (low battery / charging / full of tips)  
4. Power  
  45MA / H polymer battery (3.0V power protection board with fine work)  
5. Key  
A key (MODE)  
II. Functional Description  
   1: pedometer (step 10 step limit) 0-999999;  
   2: Charging mode: 3.5MM audio head;  
   3: Low battery indication: The battery is equal to 10% in a small flashing red light flashes three times every ten minutes, at low power, the battery life is also more than 12 hours;  
   4: Charging Tip: red / blue lights flashing alternately;  
   5: Fully charged Note: a long red light;  
   6: Press 3S Bluetooth on / off, long bright blue light when Bluetooth is switched on, Bluetooth turned off when the red light;  
   7: Press 15S restore factory settings, 7 days and the total number of steps in detail all clear;  
8: Press the 45s enters firmware upgrade mode;  
\* 9: You can upgrade the software through the audio charging head (charging cable USB-to-serial only need this feature)  
III. Data storage: 7 days data storage, data store 30 minutes 1 second.

一.立项要求：

1.外观：

按客户提供样品抄板

2.传输方式

蓝牙4.0

3.显示方式

LED灯显示（电池低电/充电/充满提示）

4.供电

45MA/H聚合物电池（采用精功3.0V断电保护板）

5.按键

一个按键（MODE）

二．功能描述

1：计步（10步限步）0-999999；

2：充电方式：采用3.5MM音频头；

3：低电提示：电池在小等于10%时红灯闪烁，每十分钟闪烁3次，在低电情况下，电池还能续航12小时以上；

4：充电提示：红/蓝灯交替闪烁；

5：充满电提示：红灯长亮；

6：长按3S蓝牙开/关，蓝牙打开时蓝灯长亮，蓝牙关闭时红灯常亮；

7：长按15S 恢复出厂设置，7天明细数据和总步数全部清零；

8：长按45s进入固件升级模式；

\*9：可通过音频充电头升级软件（充电线需要有USB转串才有此功能）

三．数据储存：储存7天数据，数据30分钟储存1次。