

IVF-BT11 多彩寻物标签  
IVF-BT11 Colorful Finding Tags  
产品规格书  
Product specification



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## 1. 产品概述 Product description

IVF-BT11 寻物标签是一款带有声光提醒的蓝牙电子标签，有 6 种颜色，12 个灯，透明外壳，高亮度，能在物品管理中快速寻物（被寻的物品有发光发声提示），适用于菜鸟驿站货物寻找库房盘点物品定位、货架定位、衣帽查找定位、图书查找定位、档案查找定位等应用领域。

IVF-BT11 object-finding tag is a Bluetooth electronic tag with sound and light reminder. It has 6 colors, 12 lights, transparent shell, high brightness, and can quickly find objects in assets management (the asset being found has a luminous and sound prompts), suitable for courier station cargo search, warehouse inventory items location, shelf location, clothing search location, book search location, file search location and other application fields.

## 2. 产品特点 Product features

产品应用设计 Product design

◆ 蓝牙低功耗设计，待机功耗: 31.4uA;

Bluetooth low-power design, Standby power consumption: 31.4uA

◆ 采用透明外壳，多种颜色清晰可见

With transparent housing, multiple colors are clearly visible

◆ 采用特殊密封胶，防水等级达 IP65 以上;

Special sealing glue is adopted, and the waterproof level is above IP65;

◆ 表面可以贴二维码，MAC 地址等;

QR codes, MAC address, etc. can be pasted on the surface;

◆ 整体重量 20.2 克;

The overall weight is 20.2 grams;

◆ 耐低温的纽扣电池，容量 1000mA 可工作 44 个月;

Low temperature resistant button battery with capacity 1000mA, can work for 44 months;

◆ 支持 OTA 升级

Support OTA upgrade

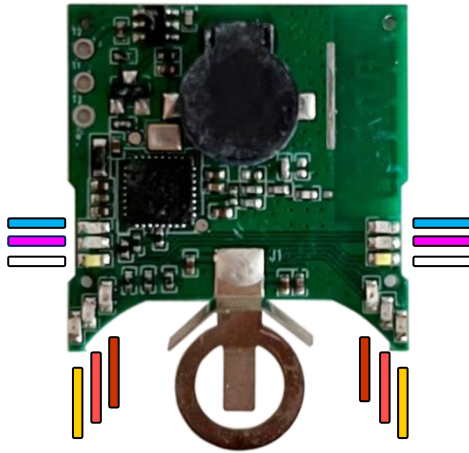
## ◆ 电池可更换

battery replaceable

产品规格 **Product Specifications**

|                           |  |
|---------------------------|--|
| 产品名称 Product name         | 多彩寻物标签 Colorful Object-finding Tags  |
| 产品型号 Product number       | IVF-BT11   |
| 产品尺寸 Product Size         | 65(L)*30(W)*11mm(H)<br> |
| 产品重量 Product weight       | 20.2g  |
| 电池 Battery                | CR2477   |
| 通信方式 Way of communication | 蓝牙 BLE   |
| 频率范围 Frequency Range      | 2400-2483.5MHz   |
| 发射功率 transmit power       | 默认 Default 0dBm (APP 可修改 APP changeable)   |
| 封装 Encapsulation          | 特殊封胶 Special sealant   |
| 外壳材料 Shell material       | PC   |
| 通信范围 Communication range  | 半径 radius < 30M (可连接 connectable)  |
| 工作时间 Operating time       | 44 个月 44 months  |
| 存储温度 Storage temperature  | 0~65℃  |
| 颜色 Color                  | 白色透明 (可定制) White transparent (customizable)  |

**4. 指示灯解释 LED Explanation**



长摁按键 3s 开机：开机时蜂鸣器与灯会提示开机成功（响一声，流水灯闪烁一次）

Press and hold the button for 3s to turn on: the buzzer and the light will indicate that the power is on successfully (beep once, and the light will flash once)

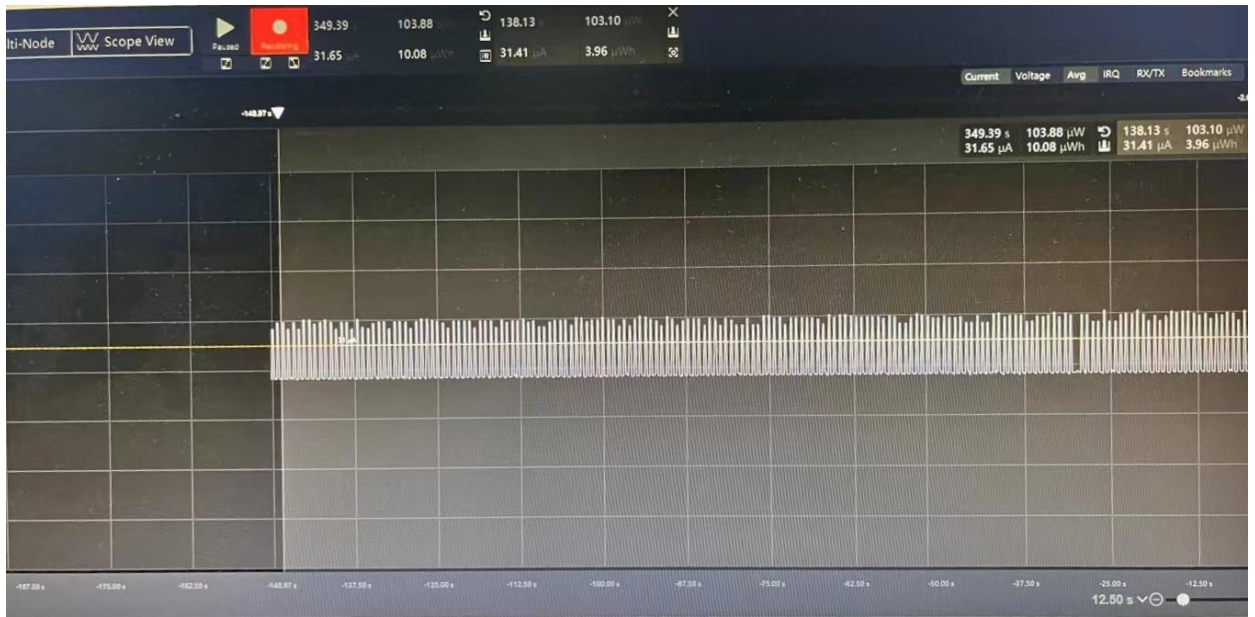
六色指示灯：APP 可控制亮灯（蓝灯，紫灯，白灯，红灯，橘灯，黄灯）

Six-color indicator light: APP can control 3 lighting modes (blue light, purple light, white light, red light, orange light and yellow light)

APP 端可关机，出厂默认关机

The APP can be turned off, and before shipment from the factory, default is turned off the device.

## 5. 功耗 Power consumption



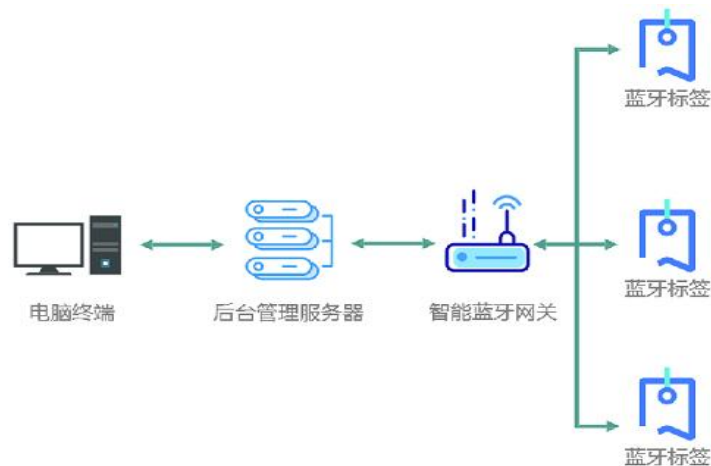
| 状态 State                   | 平均电流 Average electriccurrent |
|----------------------------|------------------------------|
| 待机 Standby                 | 31.4uA                       |
| 连上蓝牙 Connectedbluetooth    | 2.93mA                       |
| 单个灯 Single light           | 3.94-7.06mA                  |
| 全灯 Full light              | 16.88mA                      |
| 蜂鸣器 Buzzer                 | 19.82mA                      |
| 蜂鸣器+全灯 Buzzer + full light | 29.28mA                      |

## 6. 协议 Protocol

该协议适用于想要由其研发团队开发自己的平台的用户，如果您想得到此产品的协议，请联系我们的销售团队。该协议只有在保密协议签署并下达订单后才能被披露，如果用户不想（或不能）签署保密协议，那么只有使用第三方平台或产品，请认真考虑。

This protocol is for users who want to develop their own platform by their R&D team, if you want to get the protocol of this product, please contact our sales team. The protocol can only be disclosed after the non-disclosure agreement is signed and the order is placed, if the user does not want to (or cannot) sign the non-disclosure agreement, then only use a third-party platform or product, please consider carefully.

## 7. 产品平台介绍 Platform introduction



基站 Base station:

- (1) 研为网关 Gateway 1 (型号 model: DTU03-L)
- (2) 天工测控网关 Gateway 2 (型号 model: VDB2603)

## 8.注意事项 Precautions

为了安全、有效地使用本产品，请您在使用前阅读以下内容。

In order to use this product safely and effectively, please read the following contents before use.

- 产品出厂默认关机状态，长摁产品按键 5s 即可亮灯开机。

The product is turned off by default when leaving the factory, and it can be turned on with lighting by pressing and holding the product button for 5 seconds.

- 非专业人士严禁拆开外壳，防止产品损坏。

Non-professionals are strictly prohibited from disassembling the casing to prevent product damage

- 产品内含电池，严禁投入火中以及在易燃易爆的环境使用，防止电池爆。

The product contains a battery, and it is strictly prohibited to put it into fire and use it in a flammable and explosive environment to prevent the battery from bursting.

## 9.环保说明 Environment instruction

◆请勿将废弃电池与一般生活垃圾放在一起，在处理废旧电池有相应法规的地区，请遵循当地管理部门的有关规定，为环境保护贡献一份力量。

Do not put waste batteries together with general household waste. In areas where there

are corresponding regulations for the disposal of used batteries, please follow the relevant regulations of the local management department to contribute to environmental protection.

## 10. 保修服务条款 Warranty Terms of Service

### 1. 保修服务范围 Warranty Service Scope

- 保修产品: Warranty product

为遵守中华人民共和国相关法令及相关行政规则, 本保修服务为有限保修, 仅适用于厦门英诺尔信息科技有限公司(以下简称英诺尔)所销售或授权经销商所销售的产品。

In order to comply with the relevant laws and regulations of the People's Republic of China and relevant administrative rules, this warranty service is a limited warranty, only applicable to products sold by Xiamen Innov Information Science & Technology Co. Ltd. (hereinafter referred to as Xminnov) or by authorized distributors.

- 保修期: Warranty period

产品自购买从出货日期起在以下期间内, 在正常使用的情况下发生故障可享受保修服务, 客户如有保修服务需求时, 需提供采购合同、收货单、故障机的 SN 号、故障问题描述, 证明产品享有自购买从出货日期起一年的保修。

The product can enjoy warranty service if it failed under normal use within the following period from the date of shipment. If the customer has warranty service needs, need to provide the purchase contract, the receipt, the SN number of the faulty reader, and the fault question description, certify that the product is covered by a one-year warranty from the date of shipment.

- 非保修范围: Non-warranty coverage

a. 无法提供有效的采购合同、收货单据或证明的(包括采购合同、收货单据的内容有涂改, 或者与产品实物不符等)

Unable to provide a valid purchase contract, receipt document or proof (including the content of the purchase contract, receipt document has been altered, or inconsistent with the actual product, etc)

b.表面损坏，如刮痕、凹痕或凹陷。

Surface damage such as scratches, dents or dents.

c.电池等类消耗品，但若为材料或工艺瑕疵造成产品损坏者除外。

Batteries and other consumables, except if the product is damaged due to material or workmanship defects.

d.因意外、滥用、误用、火灾或其他天灾或由于使用不当或自行不合理维护保养而造成的损坏(包括因外力受损)

Damage caused by accident, abuse, misuse, water, flooding, fire or other acts of God, or due to improper use or unreasonable maintenance by yourself (including damage caused by external forces)

e.由非英诺尔授权的维修人员进行检修、修改或变更，可能造成产品永久性损坏。

Repairs, modifications or alterations performed by maintenance personnel not authorized by Xminnov may cause permanent damage to the product.

## 2.说明 Explanation

●本保固条款提供您特定法律权利，但可能因各国规范不同而异其权利，且各国法律规定之其他法律权利，英诺尔并未予排除、限制或中止，因此下述部分限制对您可能不适用。This warranty provides you with specific legal rights, but their rights may vary due to different national regulations, and Xminnov has not excluded, limited or suspended other legal rights stipulated by national laws, so some of the following restrictions may not apply to you.

●在法律允许之范围内，本保固条款具有排他性，且取代所有其他明示性或暗示性或法令的保固条件，包括在某特殊目的、法令规定或任何其他情况，包括但不限于产品之适销性或适合特定用途等衍生的任何责任。此外，对于任何意外、特殊、间接或衍生性损坏，英诺尔将概不负责(可能起源于使用、误用、不会使用或产品瑕疵)。

To the extent permitted by law, this warranty is exclusive and in lieu of all other warranties, express or implied or statutory any liability derived from fitness for a particular purpose, etc. In addition, for any accidental, special, indirect or consequential

damages, Xminnov will not be responsible for (may arise from use, misuse, failure to use or product defects).

- 对违反任何国家法律而取得及/或使用的产品或服务，英诺尔保留拒绝保修申请的权利。Innov reserves the right to refuse warranty claims for products or services obtained and/or used in violation of the laws of any country.

- 若是通过拍卖网站或其他非英诺尔所销售或授权经销商所销售的产品，不属本保修服务所涵盖的范围。Products sold through auction sites or not sold by Xminnov or authorized resellers are not covered by this warranty.

- 产品经检测后若属于非保修范围，英诺尔在取得客户同意，报价收取费用后进行维修，针对修复的故障，英诺尔提供 90 天内相同功能故障的保修。

If the product falls within the scope of non-warranty after testing, Xminnov will repair it after obtaining the customer's consent and charging a fee for the quotation. For the repaired fault, Xminnov will provide a 90-day warranty for the same functional failure.

- 英诺尔保留维修/更换产品或软件的权利。英诺尔将依标准流程使用原厂零配件进行维修；遇到无法维修的情况，部分产品采用模块更换或整机更换方式维修。若遇维修料件短缺或产品停产时，保固期内将依照该产品折旧后提供等值之相同产品更换，或经客户同意后提供升级并酌收价差；保固期外，则不提供维修服务。替换下来的故障零件，归英诺尔所有。

Xminnov reserves the right to repair/replace products or software. Xminnov will use the original spare parts for maintenance according to the standard process; if it cannot be repaired, some products will be repaired by module replacement or complete machine replacement. If there is a shortage of maintenance materials or the product is discontinued, the product will be replaced with the same product of the same value after depreciation during the warranty period, or an upgrade will be provided with the customer's consent and the price difference will be charged; outside the warranty period, no maintenance service will be provided. Replaced faulty parts belong to Xminnov.

### 3.注意事项 Precautions

- 客户申请产品保修前，事先备份所有个人重要数据，只提供需保修的产品即可。在维修处理过程中，产品内的数据有可能将会消失不可复原，英诺尔不提供数据备份

也不保证相关设置在维修前后的一致性。Before customers apply for product warranty, all personal important data should be backed up in advance, and only products that require warranty can be provided. During the repair process, the data in the product may disappear and cannot be recovered. Xminnov does not provide data backup and does not guarantee the consistency of related settings before and after repair.

## 11.产品停产通知说明 Product Discontinuation Notice Instructions

◆首先非常感谢尊敬的客户您，长期以来对厦门英诺尔信息科技有限公司产品的惠顾与支持，英诺尔在此表示衷心的感谢！可能因零配件供应商型号升级或停产，或者公司为更好地适应市场和技术的发展，以为您提供更优秀的产品或服务，公司可能会对产品进行正常的升级更新，故将原旧型号的产品进行停产，停产前英诺尔将提前一年的时间发出停产函件，以邮件方式通知英诺尔的客户，不可抗力（如自然灾害、芯片危机、疫情等等）因素除外。

First of all, we would like to thank you, dear customer, for your long-term patronage and support to us. Xminnov would like to express its most heartfelt thanks here! It may be due to the model upgrade or discontinuation of the spare parts supplier, or the company may upgrade the product normally in order to better adapt to the development of the market and technology and provide you with better products or services. If the product is discontinued, Xminnov will issue the discontinued product one year in advance, and notify Xminnov's customers by email, except for force majeure (such as natural disasters, chip crisis, epidemic, etc).

## 12.联系方式 Contact us

国内 Domestic sales department

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国外 International sales department

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No.943, Tonglong second Rd, HongtangTown, Tong'an District, Xiamen city, Fujian province, China