SYRIS Xtive RFID TAG

User Manual

Version 1.4

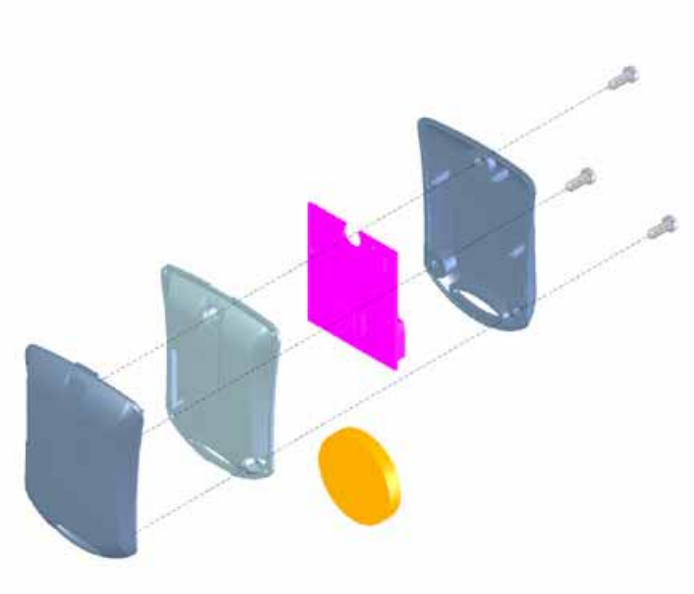
2007/09/18

一、Product Specification

Specification \ Model	SYTAG245-2S	SYTAG245-2K
TAG Picture		
Communicate	2.45GHz support read and write	
Frequency	2.40 ~2.48 GHz	
Channel	316	
Address	65536	
Transmission Range	Up to 70m	
RSSI	0~255	
Parameters	Transmission interval programmable / Wireless tag programming	
Wake on radio	N/A	ON / OFF
LED	N/A	Two-color LED visual indication
Call button capabilities	N/A	Emergency reporting / Signal transmission
Built-in motion sensor	Vibrate detect (option)	
Battery type	3V CR2032 x 1	
Battery life	1~2 years	
Idle current	3 μA@3VDC	
Action current	24 mA@3VDC	
Operating temperature	-20°C to 60°C, 5 to 95% RH	
Storage temperature	-20°C to 60°C, 5 to 95% RH	
Housing	Splash resistant case	
Dimensions (mm)	42W x 30H x 10D	

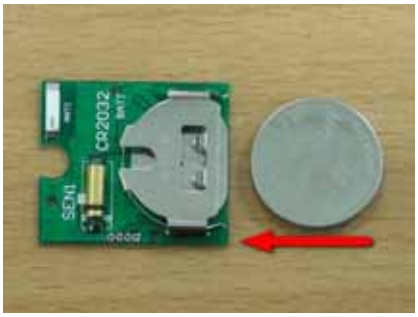
二、SYTAG245-2S TAG

1. Diagram



2. Features:
   - Compact size Tag.
   - High security, Long range, read/write Tag.
   - Wireless tag programming.

3. How to replace the battery:
   First, you need to screw the lid of tag by the proper screwdriver. And than, put the new battery properly into the battery bracket which is mounted on the main board. Like as below photo.



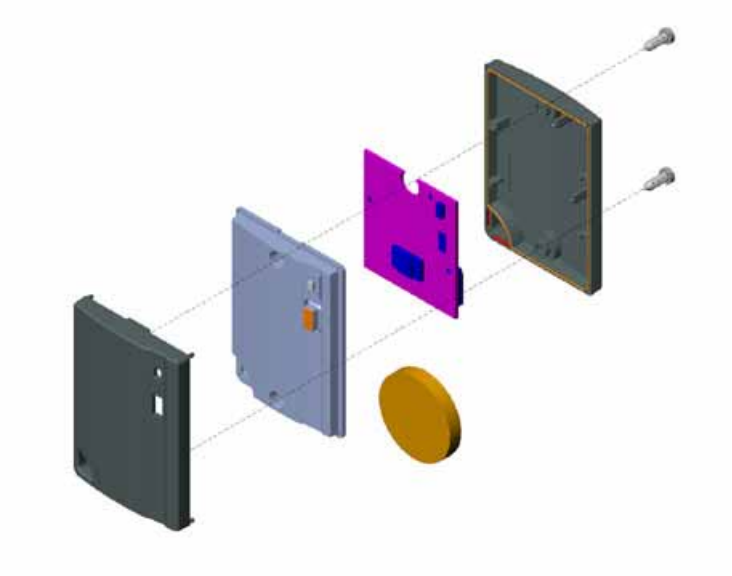
4. Set Parameters:
   You can set TAG emitting frequency, receive frequency and ON/OFF Tag with SYRIS Xtive utility. (Please refer to Xtive Utility user manual)

5. Battery Life:
   Battery life is affect by TAG emitting frequency and receives frequency. Increasing emitting/receives frequency will shorten the battery life.

   Ex.
   Battery life for 3 month setting :
   Set TAG active time = 1 x 2.5 sec, Set Tag Receive Count =10
   Battery life for 1 year setting :
   Set TAG active time = 1 x 20 sec, Set Tag Receive Count =10

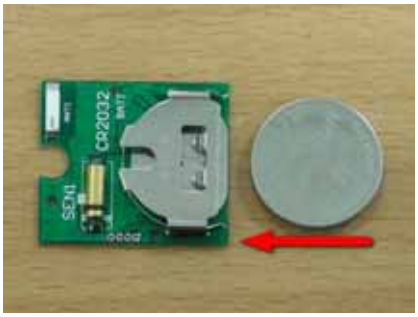
三、SYTAG245-2K TAG

1. Diagram



2. Features:
   - Compact size Tag.
   - High security, Long range, read/write Tag.
   - Remote ON/OFF Tag.
   - Wireless tag programming.
   - Call button: Emergency reporting / Signal transmission.
   - Two colors LED visual indication: Generally, the emitting signal will glitter green light; when it's low battery, it will glitter red sight.

3. How to replace the battery:
   First, you need to screw the lid off tag by the proper screwdriver. And than, put the new battery properly into the battery bracket which is mounted on the main board. Like as below photo.



4. Set Parameters:
   You can set TAG emitting frequency, receive frequency, ON/OFF Tag and LED indication with SYRIS Xtive utility. (Please refer to Xtive Utility user manual)

5. Battery Life:
   Battery life is affect by TAG emitting frequency and receives frequency. Increasing emitting/receives frequency will shorten the battery life.

   Ex.
   Battery life for 3 month setting :
   Set TAG active time = 1 x 2.5 sec, Set Tag Receive Count =10
   Battery life for 1 year setting :
   Set TAG active time = 1 x 20 sec, Set Tag Receive Count =10

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.

FCC Caution:

1.The 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.

2.This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.