PRODUCTS AND ACCESSORIES

GPS PIGEON IDENTIFICATION TRACKER RING DETAILS

Charge Valet x 1

Ring Reader x 1
GPS Pigeon Identification Tracker Ring x 5  USB Cable x 1
Batteries x 5

Details Name

01. Charge Dock  06. Ring Reader Dock  11. Ring Lock
02. Charge Valet  07. Reader PIN  12. Reader PAD
03. USB Port  08. USB Port  13. USB Cable
04. Charge Indicator  09. GPS Battery
05. Reader Indicator  10. GPS
GPS SKYLEADER FEATURES

GPS tracking - It can record flight time, speed, and location, and provide flight path report.

Trajectory encrypted - Encryption algorithm will help secure your information and prevent data theft.

Fuzzy logic technology - Automatic turn-on and shut-off technology, accommodates your training schedule.

Modularization - Modular ring design, easy for wearing and battery replacing.

GPS SPECIFICATIONS

Dimensions - 20 x 20 x 14mm

Weight - Net Weight: 3g, Total Weight: 4g with battery

Battery Type - Rechargeable Lithium Battery 3.7V 45mAh

Battery Life - 12 hours

Voltage - +2.9 to +4.2v

Satellite System - GPS + GLONASS Dual-core System

EXECUTIVE JOB PREPARATION

1. Charge the battery first. (Please check charging methods on p.4)
2. Install ring reader driver on your computer. (chip PL2303)
3. If an error message "The program can't start because MSVCP120.dll is missing from your computer." appears when running the program, you have to install the Visual C++ of Microsoft Visual Studio 2013.
   If you are using 64-bits version of Windows /
   First install "vcredist_x86.exe", then install "vcredist_x64.exe."
   If you are using 32-bits version of Windows /
   only install the "vcredist_x86.exe" file.
4. Install Google Earth and the corresponding version of Java.
CHARGING METHOD

Connect charge valet and USB cable to power, portable charger, or computer, with battery contact side facing up, and insert the battery into the charger dock.

RED light  -  Battery Charging
GREEN light - Full Battery or Battery Standby
GPS USES SUMMARY

The product has a built in fuzzy logic smart technology. It will record the flight path for a period of time and shut-off, then automatically turn-on and start recording again repeatedly. There are two ways to set the GPS:

1. Start recording instantly - If you are not sure about how long the training time will be.
   The GPS Pigeon Identification Tracker Ring will start recording instantly after installing the battery. Five minutes later, it will shut off automatically. You don’t need to set the departure time.

2. Departure time set - Set departure time to match your own training schedule.
   Departure time needed to be set within five minutes after installing the battery to the GPS Pigeon Identification Tracker Ring. The pigeon ring tag will shut off instantly after the departure time is set.

OTHER CONSIDERATIONS

1. Please remove the battery to avoid power loss when the GPS Pigeon Identification Tracker Ring is not in use.

2. Five minutes after installing the battery, the GPS Pigeon Identification Tracker Ring will automatically shut off if no computer settings are given. Just reinstall the battery to reset any settings.

HARDWARE INSTALLATION

Step 1: Install the battery into GPS Pigeon Identification Tracker Ring.
Step 2: Connect ring reader and USB cable to your computer and place the GPS Pigeon Identification Tracker Ring into the ring reader.

There are four indicator lights from left to right:

- Red Light
- Blue Light
- Yellow Light
- Dual Color Light
  (Red Light / Blue Light)

**INDICATOR LIGHT PATTERNS**

- When ring reader is connected to computer:
  - Red light lit.
  - Dual light lit 3-5 seconds
    (Computer connect to ring reader finished reading.)

- When connect to com port:
  - Dual light lit.

- When computer is reading flight path data:
  - Blue light lit 3-5 seconds. Blue light flashes after computer finishes reading data.

- Departure time set or data reading:
  - Yellow light will quickly flash once.
Step 3: Check if ring reader driver is successfully installed and make sure it's connect to the right "Com Port".

Click on "Device Manger", check if the ring reader is successfully installed as the picture shown below and find the "Com Port." USB holes location will be different for each computer. If a yellow question mark appears, it means installation has failed. Please install the ring reader driver.

Note: You can rename the "Com Port" as an easy to remember number.
- Different USB corresponds to different Com Port.
- When using USB HUB, it will have a different Com Port.

Step 1: Run the application
Enter the software file folder and run the application.
Step 2: Connect the GPS Pigeon Identification Tracker Ring and software

1. Click on the "Com Port" icon to see the Serial Comm Port location.
2. "Baud Rate" remained at 115200.
3. Click on "Open" icon. "Com Port" and "Baud Rate" icons will appear color inverses with gray color, and the slide crawler indicator on the bottom right of the screen flashes. Click on "Close" icon to cancel the connection.
Step 3: Set departure time

Choose the date and enter the departure time, then click on "Time Setting." You can start training process instantly after this step.

Step 4: Track Reading

Take the GPS Pigeon Identification Tracker Ring off after training process is finished. Make sure ring reader is connect to your computer, and click on "Open Google Earth" or "Open Google Map/ Open Street Map," then click on Track Reading icon. All the information will be shown in the window, including straight line distance, speed, etc., for ease of comparison.

Flight path data file will be saved on your desktop, and the file name will be displayed as "First character of the file name" + excess date or time. Naming the file with pigeon serial number or pigeon name are recommended.

Step 4

Open Google Earth

Open Google Map / Open Street Map

FILENAME

Change filename prefix (Default: SKYLEADER)
Open Google Earth or Street Map to see the flight path record points.

Google Earth

Flight path enlarged view
Step 5 : Deleting flight path

If you need to delete the history records of the GPS Pigeon Identification Tracker Ring, connect the ring reader to your computer, and enter "clear" in the black box as the picture shown below, then click on track reading icon. It will save all the history records then clear the ring memory.

Step 5

Enter "CLEAR" to delete track history

WARRANTY INFORMATION

Warranty Period

For the purpose of extending product life and enhancing clients satisfaction, this warranty provides one year limited warranty for electronic parts and maintenance services.

Warranty

This warranty covers defects in manufacturing discovered while using the product as recommended by manufacturer. If you discover a defect in a product covered by this warranty, we will repair at our recommendation. If repair is not possible, product will be replaced.

EXCLUSIONS

Within the warranty period, clients have to pay full price for maintenance services or material costs and price may vary upon your local authorized repair center under the circumstances as described in the following paragraphs.

1. Clients could not provide the original date of purchase or warranty period is expired.
2. The warranty does not cover loss or theft, nor does cover extended damage caused by misuse, abuse, or unauthorized modification, improper storage conditions, lightening or natural disasters.
3. The warranty does not cover parts that are subject to normal wear and tear replacement.

4. The warranty does not cover unauthorized modification by owner or third party.

5. This warranty covers defects in manufacturing discovered. (We will repair the product instead of replacing with a new item under the following circumstances):
   a. Surface damaged, scratched, dented and defective batteries. Damages caused in manufacturing are not included.
   b. Power can not be properly turned on.
   c. Application screen can not be properly displayed.
   d. Application control function is invalid.

6. The company will use new or better components for parts replacement. Unless otherwise agreed between clients and manufacturer in writing, we will take the defective parts back.

7. Appearance, shell and decorative components damages are excluded from this warranty.

8. Products purchased from unauthorized dealership.

9. Damage caused by clients during conveyance.

10. Failure caused by other equipments.
**PRECAUTIONS**

**Battery Safety Warning**
Failure to read and follow the below instructions may result in fire, chemical burns, battery leakage, personal injury and may shorten the lithium-ion battery life or damage the GPS Pigeon Identification Tracker Ring if used improperly.

1. Do not expose the device to heat sources or high temperature places, e.g. left in a parked car under direct sunlight. To avoid damage, please keep your device away from direct sunlight and store it at a cool dry place.

2. Do not puncture or incinerate the device and batteries.

3. Please dispose of battery and related electronic devices properly.

4. Do not use a sharp objects to remove the battery.

5. Keep away from children.

6. Do not disassemble, puncture, or damage the batteries.

7. Please use the correct battery for battery replacement. It may cause potential risk of fire or explosion if you use the wrong battery replacement.
   **Please contact us for battery replacement.**

**Other recommendations**
Please check your product specification and accessories.

**Reservation of rights**
The Company reserves the right to change these terms and conditions at any time without prior notice. In the event that any changes are made, the revised terms and conditions will be announced.