

IK121 GPS Tracker

User Manual V1.0



Preface

Congratulations on choosing the icar GPS IK121 Pet GPS tracker. This manual shows how to easily program and setup the tracker for best results. Make sure to read this manual carefully before using this product, so as to avoid delays or confusion with it's operation. Please note that specifications and instructions are subject to change without notice to facilitate product improvement. Updates and changes will be integrated into the latest release. The manufacturer assumes no responsibility for any errors or omissions in outdated documents.

1. Overview

IK121 is a Hunter GPS tracker.

2. Features

- Real-time tracking
- GPS+AGPS+LBS+GLONASS Positioning
- History record check
- Geo-Fence alarm
- Low battery alarm
- Power saving mode
- PC & Mobile App tracking
- Long standby time
- IP67 Water resistant

3. Applications

- Pet tracking
- Hunter tracking
- Cow tracking
- Goat tracking

4. Specifications

Item	Specifications
Dimension	55.4*33.2*20mm
Weight	44g
Charging mode	USB charging DC 5V
Backup battery	3.7 V 1500mAh
Power consumption	40mA standby current
Working temperature	-20°C to 65°C
Item	Specifications
Cellular Bands	GSM: 850/900/1800/1900Mhz
Positioning	GPS, AGPS, LBS
Tracking Sensitivity	-162 dBm
Sensor	Accelerometer

LED	RED/GREEN/BLUE
SIM Card interface	Nano SIM
Waterproof	IP67

5. IK121 interface



6. In the box

- 1* IK121 GPS Tracker
- 1* Magnet charging cable
- 1* Quick Start Guide
- 1* Collar
- 1* Screw Driver

7. Installation

7.1 SIM Card installation

- Get ready a **Micro Sim Card** that support **GSM&GPRS** with 30MB data per month
- Open the housing by screw driver
- Insert **Sim card** to sim card slot correctly
- Press power button for 3 seconds to power ON (green led will blinking).
- After that the device will be ready.

7.2 LED Indications

	Fix	Flash	Off
Green Light	GSM/GPRS conversation start	No GPRS signal	Power off or in sleep mode
Blue Light	GPS location successful	No GPRS signal	Power off or in sleep mode

Red Light		charging	Full battery or charged full
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8. SMS Commands List

Function	Command Format	Reply	for example
APN	apn+123456+space+content	apn ok	apn123456 cmnet
	apnuser+123456+space+content	apnuser ok	
	apnpasswd+123456+space+content	apnpasswd ok	
admin number	admin123456+space+admin phone number	admin ok	admin123456 186*****
Domain	IP+space+domain+space+port	Set IP ok	IP www.icargps.net 7700
upload frequency	FREQ,123456,30	OK	FREQ,123456,30
Voice monitor	88	Monitor OK	88
Position	G123456	Google map	
Restart GPS	CQGPS	GPS reset OK!	CQGPS
Restart Device	CQ	system reset OK!	CQ
Check	CXZT	details of device	CXZT
Back to factory	Format	OK	

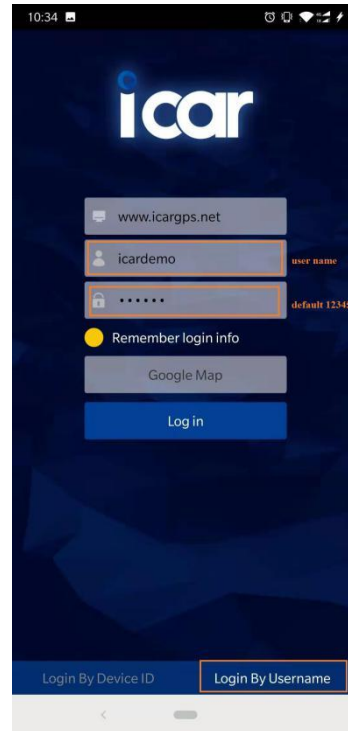
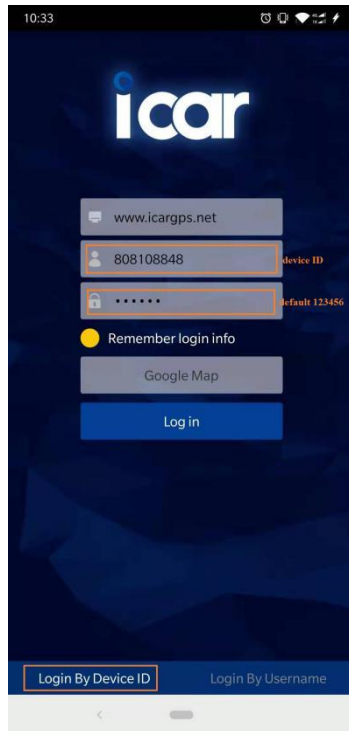
9. App & PC Tracking platform

9.1 App install & Login

- Search “**ICAR GPS**” in Google Play or iOS store(or scan the following QR code) to download the Mobile APP;



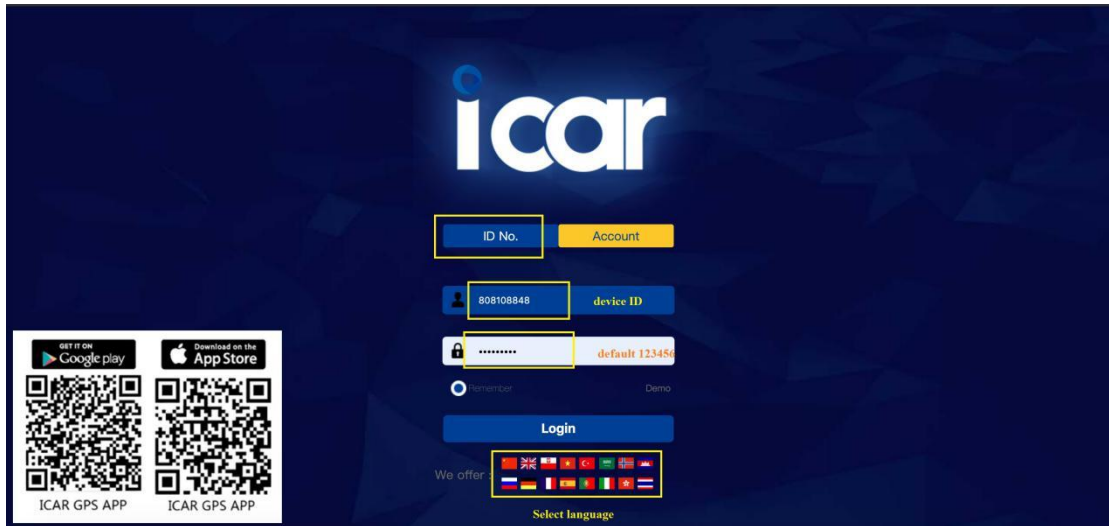
- Choose the” **Login by Device No.**,
- Input **your device’s ID number** and password(default is 123456) to login.



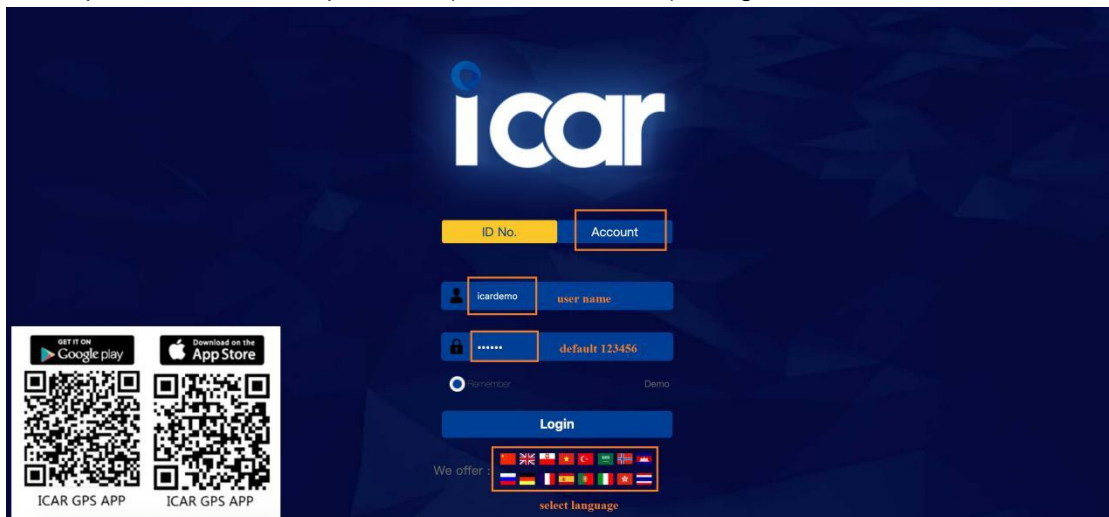
- Choose the” **Login by User name.**,
- Input **your user name** and password(default is 123456) to login.

9.2 PC login

- Web: www.icargps.net, Choose “**ID No.**”
- Input **your device’s ID number** and password(default is 123456) to log in



- Web: www.icargps.net, Choose “**Account**”
- Input **user name** and password(default is 123456) to log in



10. FAQ

- Q: **Start up Fail?**
- A: Check the device power on or not.

- **Q: The device can not obtain location information?**
- A: Place the unit at the open area to test.

- **Q: How to choose SIM card?**
- A: the SIM card must support GSM&GPRS, and ensure that the card has enough currency and credit.

- **Q: How to use in the foreign countries?**
- A: please set the APN before use, please edit the text “APN123456 CMNET “ and send it to the SIM card of the device, CMNET is Chinese operator’s APN, Replace the corresponding APN when use in other countries, APN details, please consult your local SIM card carrier.