



GPS Tracker for Dogs

User Manual



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This user manual accompanies the **IRONCLAD FAMILY** GPS Tracker for Dogs and contains important information about safety, use and disposal. Read the manual carefully and follow the instructions and warnings to ensure your own safety and the safety of others.

Keep the manual for further reference, even if you are familiar with the product. Make sure to include this manual when passing on this product to third parties.

The images in the manual are for illustrative purposes only and may differ slightly from the product. In that case, **IRONCLAD FAMILY** is not obliged to adjust the manual. Use the actual product as a reference.

1. Introduction

Congratulations on your purchase of the **IRONCLAD** GPS Tracker for Dogs. We are proud of providing this brilliant product to our customers. Your new device is an investment that deserves your care and attention. This user manual has been compiled to help you to operate your product with safety and pleasure.

Our product complies with the following statutory national and European requirements:



- ✓ **CE Certificate:** The CE mark (an acronym for the French “conformité européenne”) certifies that a product meets EU health, safety, and environmental requirements, guaranteeing consumer safety.
- ✓ **Compliant with RoHS:** The Restriction of Hazardous Substances (RoHS) directive 2015/863/EU is an EU directive to restrict the use of certain hazardous substances in electrical and electronic equipment. Each EU Member State must adopt its law to implement this directive. If a product is RoHS certified, this confirms that the proportion of hazardous or difficult-to-remove substances is limited to the maximum allowed.
- ✓ **FCC Certificate:** FCC (Federal Communications Commission) is the government agency that coordinates the activity of radio waves in broadcasting and communication. The FCC mark confirms that this device is compatible with the US market.

If you have any questions, remarks, or problems using the product, feel free to contact us by email: support@ironcladfamily.com.

We hope you enjoy your purchase!

2. Intended Use

The intended use of the **IRONCLAD FAMILY** GPS tracker for dogs is to monitor and track your dog's location in real time. It is a device designed to provide pet owners with the ability to locate their dogs if they go missing or wander off. By attaching our GPS tracker to your dog's collar or harness, you can track your pet's movements using a mobile app.

The **IRONCLAD FAMILY** GPS tracker for dogs is particularly useful for pet owners with adventurous or active dogs and those living in areas with higher risks of dog theft or wandering. The device provides peace of mind by quickly locating and retrieving a lost or missing dog.

There are no other uses for this product.



Only use this product as described in this user manual. Any other use is considered improper and may result in personal injury or material damage. **IRONCLAD FAMILY** is not liable for damage or injury resulting from improper or careless use.

3. The Package

3.1. Contents

The following components are included in the scope of delivery:

- GPS tracker: 1 piece
- Strap: 1 piece
- Magnetic USB charging cable (length 1m): 1 piece
- User manual: 1 piece

3.2. Unpacking

Remove everything from the packaging and check for damage. If damage is found, do not use the GPS tracker. Be very careful when opening the package to avoid damage to the product.

After unpacking the product, check if the delivery is complete and if all parts are in good condition. If you are missing a part, or if you have a damaged part, contact us by email: support@ironcladfamily.com.

Before use, remove all packaging materials and stickers or labels.

3.3. Safety During Unpacking

Do not leave packaging material and accessories lying around carelessly during unpacking. It may become dangerous playing material for children. Do not dispose of the packaging material until the GPS tracker has been tried and is working.



WARNING: Plastic bags & foils.

To avoid the danger of suffocation, keep plastic bags and foils away from babies and children! Thin foils may cling to the nose and mouth and prevent breathing.



WARNING: Strangulation Hazard.

Cables, cords, or strings longer than 18 cm (7 inches) can be harmful to babies and very young children.

Children may get entangled while playing with the charging cable or strap. Do not leave the cable and strap lying around.



4. Technical Data

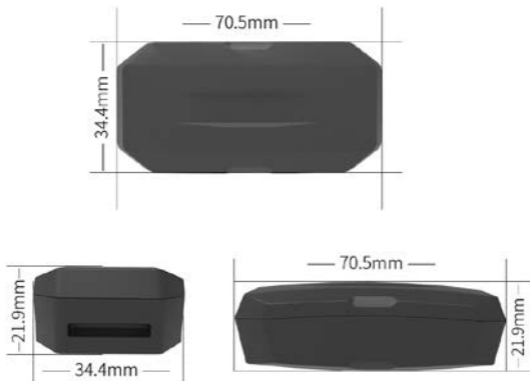
General specifications	
Product name	GPS Tracker for Dogs
Product model number	ICF-PTGPS
Brand	IRONCLAD FAMILY
Color	Black
Shell Material	PC+ABS
Applicable app	ITracker
Battery type	Lithium-ion polymer (rechargeable)
Battery size	3.7V - 1200mAh
Battery charging time	A full charge in 3 hours
Battery life	One charge \geq 20 hours (Depending on the data reporting frequency and network status)
Charging power	5V/ \geq 1A dc (USB power)
Strap length	40cm (adjustable)
Working temperature	-20 ~ +60°C
Waterproof level	IP67
Weight	1.79oz (51g)
Dimensions	2.77 x 1.35 x 0.86inch (70.5 x 34.4 x 21.9mm)
Certificates	CE, RoHS, FCC
Hardware	
Sensor	Motion sensor
Charging cable	Magnetic USB Outer diameter 3mm Length 1m
SIM card slot	Nano-SIM card
Flash memory	512K
WIFI	802.11 b/g/n 2.4G
BLE	BT5.0 LE
Communication distance	\geq 10 meters (Open area, weather is sunny without shade.)

GPS	
Chipset GPS	Ubx M8130
Support	GPS and GLONASS Galileo
GPS and GLONASS Galileo	≤ 10 meters (depending on the weather condition)
Location status	≥ 4 satellites ≥ 30dB signal noise
Reception Sensitivity	-158dBm
Cold start	Approx. 25s
Warm start	Approx. 2s
Hot start	Approx. 1s
Antenna	Built-in ceramic antenna
2G/4G parameter	
North American version (CAT-M1)	LTE-FDD B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/B20 /B25/B26/B27/B28/B66/B85
Chinese version (CAT1)	GSM-900/1800MHz FDD-LTE B1/B3/B5/ B8/B20 LTE-TDD B34/B38/B39/B40/B41
European version (CAT1)	GSM-900/1800MHz FDD-LTE B1/B3/B5/B7/B8/B20
Australia version (CAT1)	GSM-850/900/1800/1900MHz FDD-LTE B1/B2/B3/B4/B5/B7/B8/B28/B66

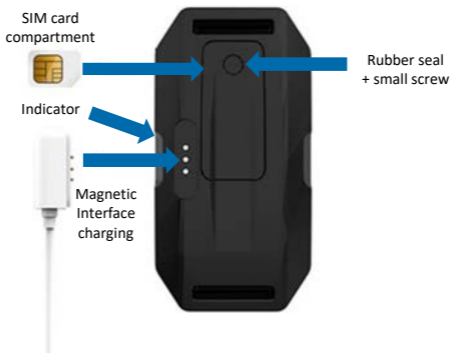


NOTE:

Due to continuing improvements on our product, the technical specifications are subject to change without notice.



5. Product Details



6. Installing the SIM Card



STEP 1: Open the back cover.

Remove the rubber seal that is covering the small screw. Loosen the screw with a small Phillips screwdriver (not included in the package). Remove the cover.



STEP 2: Install the SIM card

Install the SIM card carefully. The metal contacts must be facing down.



STEP 3:

Close the back cover.

Tighten the small screw and cover the screw with the rubber seal.

The device-supported network system:

North America - CAT-M1; Europe-CAT1; Australia-CAT1; China - CAT1

7. ITracker App



NOTES:

This manual is based on the ITracker app version 1.1.1 and shows only the most commonly used functions. Due to the continuous updating of the app, it may be that the description of the manual does not exactly match the app you installed. Not everything is explained in detail. All images shown in this user manual are made with the Android version of the app. The iOS (Apple) version is similar.

7.1. Download

The ITracker app can be found in the App Store (Apple) or in Google Play (Android).



You can also download the app via one of the QR codes mentioned below.



Android version

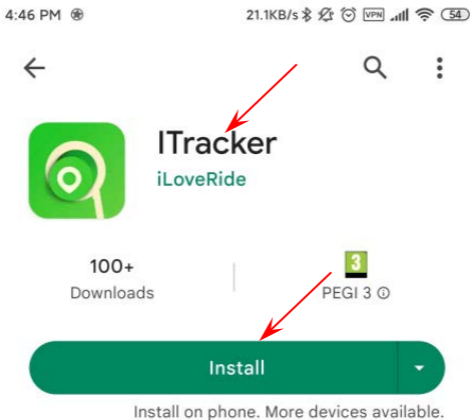


iOS (Apple) version



7.2. Install the App

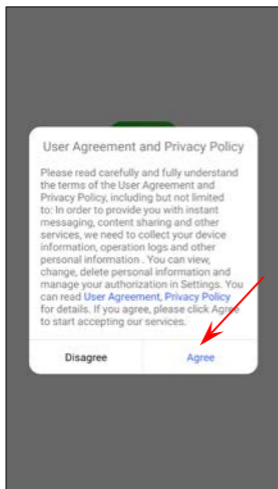
Open the App Store (Apple) or Google Play (Android), search for ITracker and install the app on your mobile phone.



7.3. Creating an Account

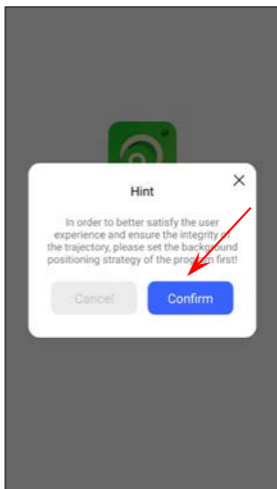
When you start the app for the first time, you will enter the **User Agreement and Privacy Policy** page.

Click on the **Agree** button.



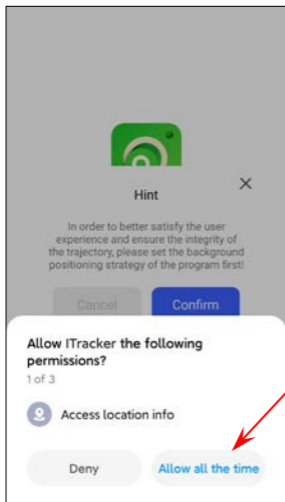
A **Hint** page appears.

Click on the **Confirm** button.



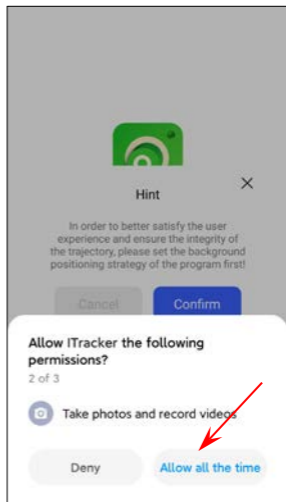
The app requests permission to access the location.

Click on the **Allow all the time** button.



The app requests permission to take photos and record videos

Click on the **Allow all the time** button.

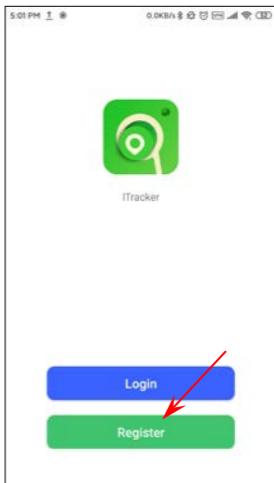
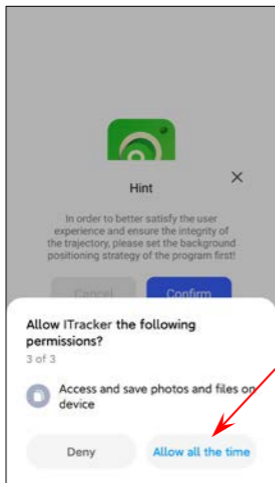


The app requests permission to access and save photos and files on your device.

Now you are ready to use the app.

Click on the **Allow all the time** button.

Click on the **Register** button to create an account.



NOTE:

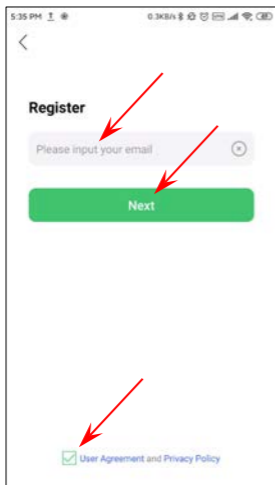
These are one-time actions. The ITracker app will not ask anymore to agree with the **User Agreement and Privacy Policy** or to allow these permissions.

7.4. Register an Account

Use your email address to register. Check the box next to the User Agreement and Privacy Policy.

Click on the **Next** button.

Note: You can only create 1 account with the same email address.



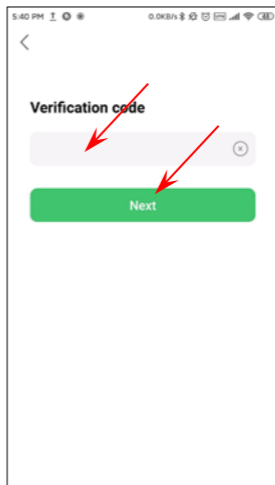
A registration verification code will be sent to the email address you entered. This code is valid for 5 minutes. Complete the registration on time.

Check the following steps if you did not receive a verification code:

1. Make sure the email address is correct.
2. Make sure the email is not in the junk mail.
3. If you can't find the email, it may be blocked by your firewall. Check your firewall.

Enter the 6-digit verification code.

Click on the **Next** button.



Choose a good, strong, and secure password (6-20 digits).

Confirm your password.

Click on the **Submit** button.

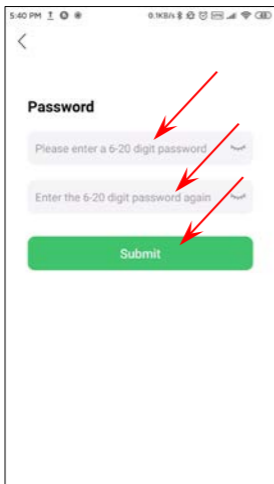
With this account, you can log in and manage all your devices. You will also receive notifications on this account.

Fill in some personal information:

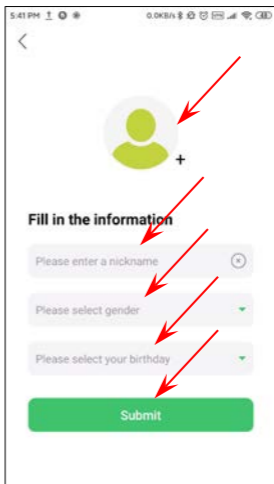
- Your nickname
- Your gender
- Your birthday

Adding an Avatar is possible.

Click on the **Submit** button.



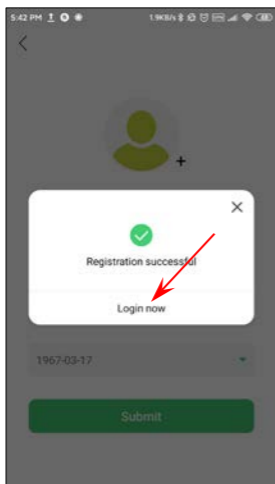
The screenshot shows a mobile app registration screen titled "Password". At the top, there is a back arrow and a status bar showing 5:40 PM, 0.1KB/s, and various system icons. Below the title, there are two text input fields: "Please enter a 6-20 digit password" and "Enter the 6-20 digit password again". Both fields have a "Show" icon on the right. At the bottom, there is a green "Submit" button. Three red arrows point to the first password field, the second password field, and the "Submit" button.



The screenshot shows a mobile app registration screen titled "Fill in the information". At the top, there is a back arrow and a status bar showing 5:41 PM, 0.0KB/s, and various system icons. Below the title, there is a profile picture placeholder (a green circle with a plus sign) and a green "Submit" button. There are three text input fields: "Please enter a nickname" (with a clear icon), "Please select gender" (with a dropdown arrow), and "Please select your birthday" (with a dropdown arrow). Four red arrows point to the profile picture placeholder, the nickname field, the gender field, and the birthday field.

Your registration is successful.

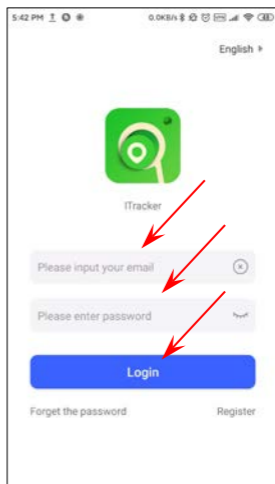
You can log in after clicking on the **Login now** button.



7.5. Login

Enter your email and password.

Click on the **Login** button.

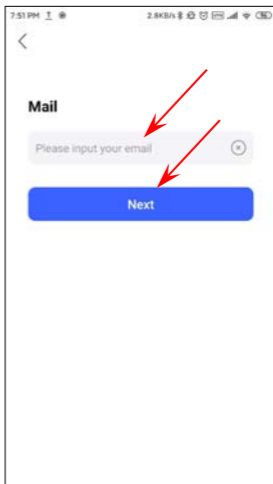
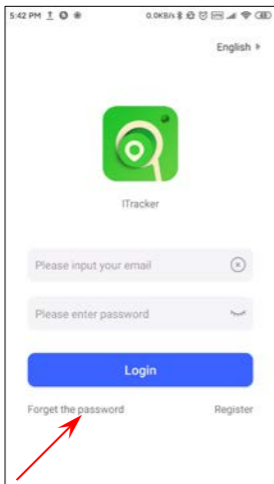


7.6. Forget Password

If you have forgotten the password, then click on **Forget the password**.

Fill in your email.

Click on the **Next** button.



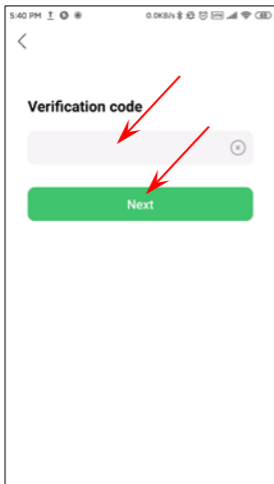
A registration verification code will be sent to the email address you entered. This code is valid for 5 minutes. Complete the verification on time.

Check the following steps if you did not receive a verification code:

4. Make sure the email address is correct.
5. Make sure the email is not in the junk mail.
6. If you can't find the email, it may be blocked by your firewall. Check your firewall.

Enter the 6-digit verification code.

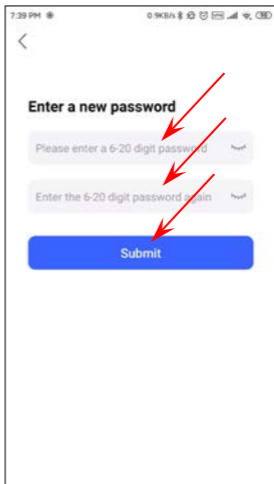
Click on the **Next** button.



Choose a good, strong, and secure password (6-20 digits).

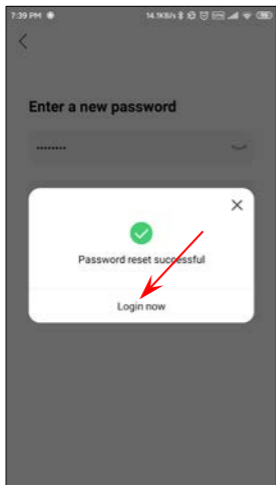
Confirm your new password.

Click on the **Submit** button.



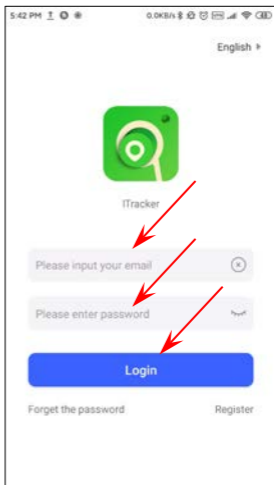
Your password reset is successful.

Click on the **Login now** button.



You can log in by entering your email, and your new password.

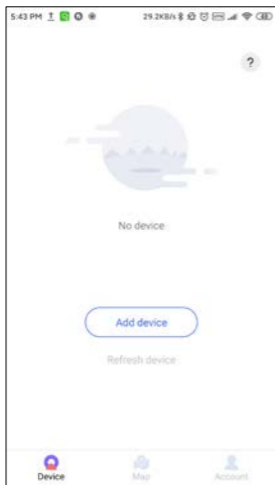
Click on the **Login** button.




7.7. Adding a Device in the App

When you log in for the first time, you will see this page.

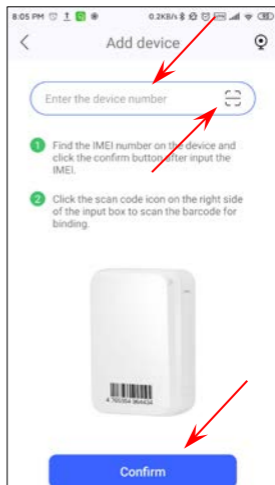
Click on the **Add device** button.



Enter the **device number** (IMEI number). The Tracker has a label with this number.

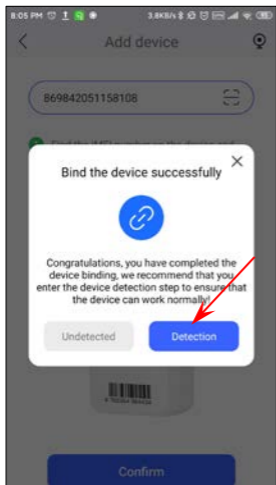
You can also scan the IMEI with your mobile phone after clicking on the  **scan** button. Scanning is the best method. The scanner will add automatically the device number in the app.

Click on the **Confirm** button.



After a successful binding, you need to do the device detection steps.

Click on the **Detection** button.



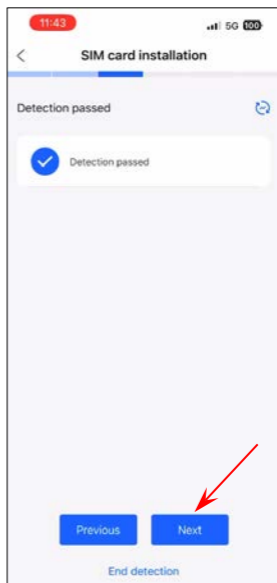
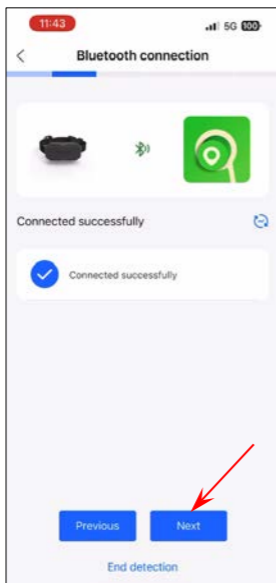
The app is testing the Bluetooth connection.



The app is testing the SIM card installation

When connected successfully, click on the **Next** button.

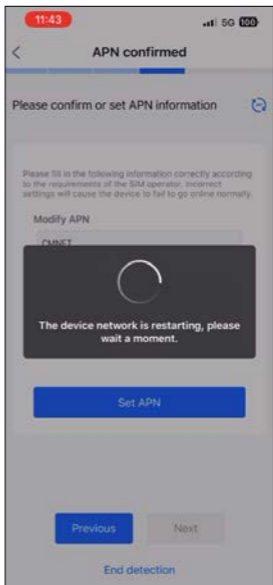
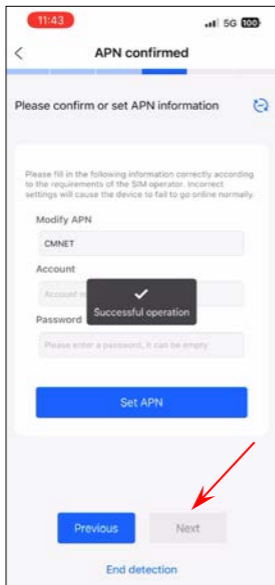
When the detection passed, click on the **Next** button.



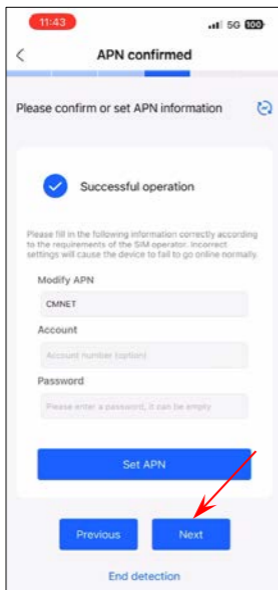
The app is checking the APN information.

When the detection passed, click on the **Next** button.

After a successful operation, the device network will be restarted.

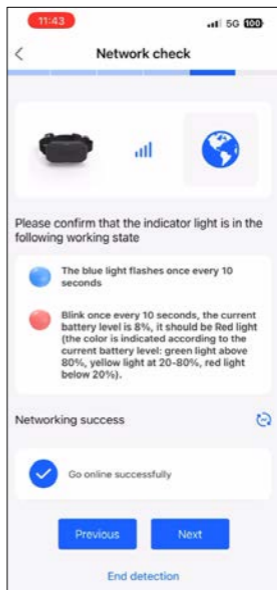


After a successful operation and the restart of the network, click on the **Next** button.



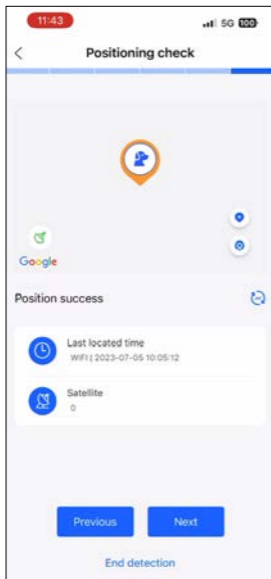
The app is checking the network.

When the networking was successful, click on the **Next** button.



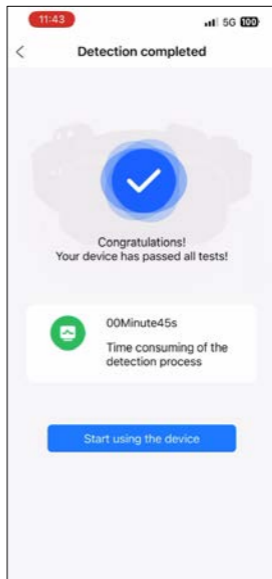
The app is doing a positioning check.

When the positioning was successful, click on the **Next** button.

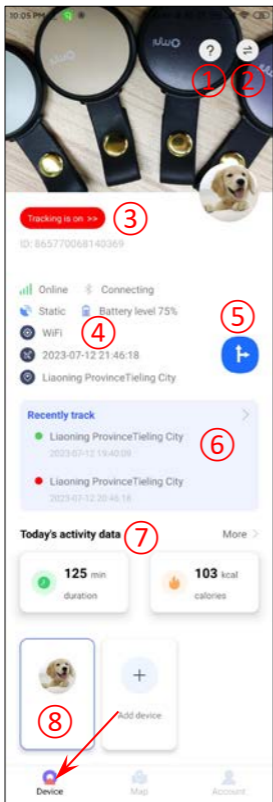


The detection is completed.

Click on the **Start using the device** button.

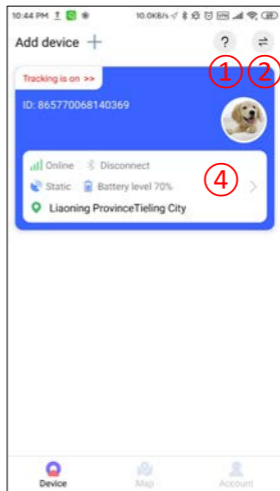


8. ITracker Device Page



The Device page can be accessed when you click on the **Device icon** at the bottom of the app.

There are 2 different views for the device page. On the left, you see the **Detailed View**. Below this text, you can see the **Short View**.



8.1. Detailed View

8.1.1. Help Center

Click on the ① ? button to enter the **Help Center** page.

8.1.2. Switching from Detailed to Short View

Click on the ② ⇌ button to switch the view.

8.1.3. Tracking

Here you can see the **device number** (IMEI number) of the Dog Tracker and if the tracking is on or off.

When you click on tracking ③, you will be directed to the map where you can see the position of the Dog Tracker (see **Chapter 10.3.1 Track**).

8.1.4. General information

The following information ④ is visible:

- The device is online or offline
- Bluetooth is connected or disconnected
- The tracker is static or moving
- The battery level in %
- WiFi or GPS is used
- The date and time
- The current position of the Tracker

8.1.5. Start Navigation

When you click on the ⑤ navigation button, you will be directed to Google Maps where the route between the tracker and the mobile phone is shown.

8.1.6. Recently Track

When you click on ⑥, you will be directed to the Location history page (see **Chapter 10.3.6. Location history**).

8.1.7. Today's Activity Data

Here ⑦ you can see Today's activity data and the burned calories from your dog. When you click on more, you will be directed to the Exercise time page (see **Chapter 10.3.7. Exercise Time**).

8.1.8. The Device

Select here the device that you want to use in the app. In this example, only 1 device was added to the ITracker app.

8.2. Short View

8.2.2. Help Center

Click on the ① ? button to enter the **Help Center** page.

8.2.3. Switching from Detailed to Short View

Click on the ② ⇌ button to switch the view.

8.2.4. General Information

The following information ④ is visible:

- The device is online or offline
- Bluetooth is connected or disconnected
- The tracker is static or moving
- The battery level in %
- The current position of the Tracker

9. ITracker Map Page

The map page can be accessed when you click on the **Map icon** at the bottom of the app. A lot of information from the tracker can be checked here.

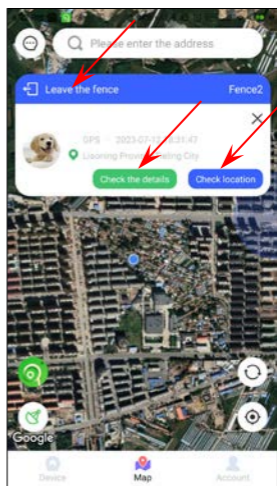
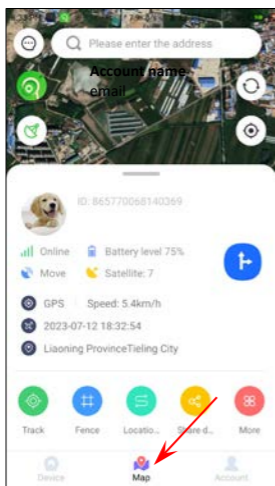
There are buttons available that guide you directly to :

- The Track page (see **Chapter 10.3.1. Track**)
- The fence page (see **Chapter 10.3.3. Fence**)
- The Location history page (see **Chapter 10.3.6. Location History**)
- The Share Device page (see **Chapter 10.3.9. Share Device**)
- The application service page (see **Chapter 10.3. Device Management**)

You will be warned when your dog enters or leaves the fence.

Click on the green button to **check the details**.

Click on the blue button to **check the location** of the tracker.



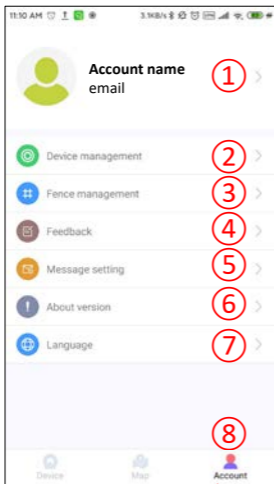
10. ITracker Account Page

10.1. Menu Overview

The Account page can be accessed when you click on the **Account icon** (8) at the bottom of the app.

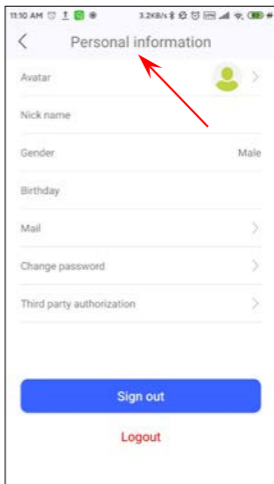
On this page, you can make some personal settings for your ITracker account.

The most important settings are very briefly explained in the next chapters.



10.2. Account Details

Click on (1) to enter the **Personal information** page.

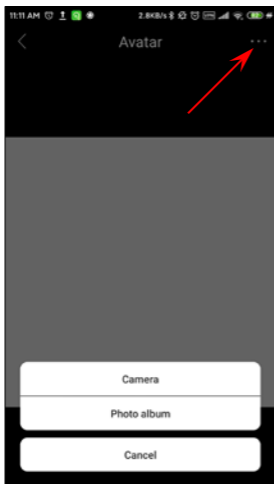


10.2.1. Avatar

Click on **Avatar** on the **Personal information page** to enter the Avatar page.

Click on the **3 dots** in the upper right corner to open the menu.

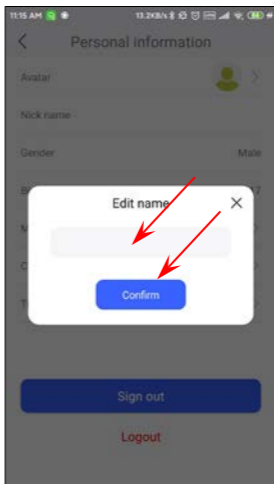
With the menu options, you can choose the method for changing your Avatar image. You can use the camera from your phone or use an image from your photo album.



10.2.2. Nick Name

Click on **Nick name** on the **Personal information page** to edit the name.

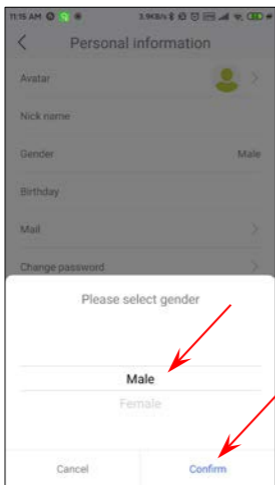
Click on the **Confirm** button to save your new name.



10.2.3. Gender

Click on **Gender** on the **Personal information page**. Select between Male and Female.

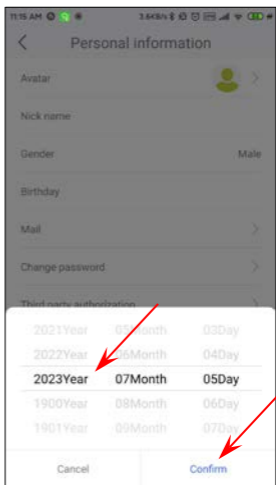
Click on the **Confirm** button to save your gender.



10.2.4. Birthday

Click on **Birthday** on the **Personal information page** to set the correct date and year.

Click on the **Confirm** button to save your birthday.



10.2.5. Mail

A registration verification code will be sent to the email address you entered. This code is valid for 5 minutes. Complete the verification on time.

Check the following steps if you did not receive a verification code:

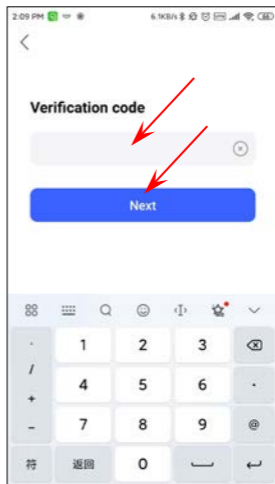
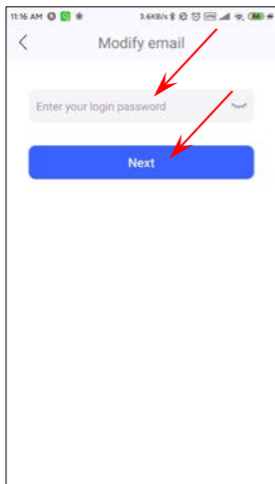
1. Make sure the email address is correct.
2. Make sure the email is not in the junk mail.
3. If you can't find the email, it may be blocked by your firewall. Check your firewall.

Click on **Mail** on the **Personal information page** to update your email information.

Enter your login password and click on the **Next** button.

Enter the 6-digit **verification code**.

Click on the **Next** button.

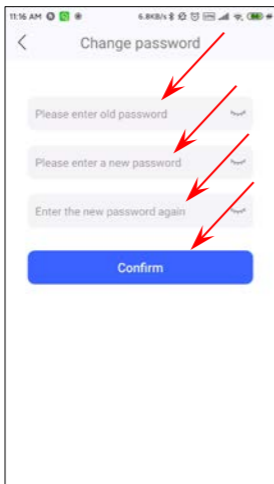


10.2.6. Change Password

Click on **Change password** on the **Personal information page** to update your password.

Enter your old password and your new password and confirm your new password.

Click on the **Confirm** button.



10.2.7. Third-Party Authorization

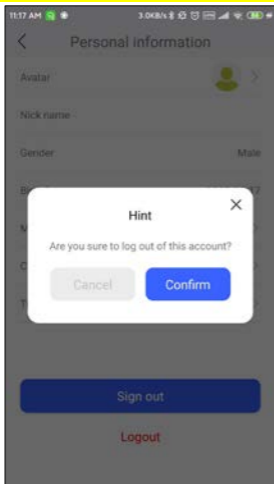
The **Third party organization** on the **Personal information page** is for future expansion of the program allowing it to integrate into other applications



10.2.8. Sign Out

Click on **Sign out** to close your current session of the iTracker.

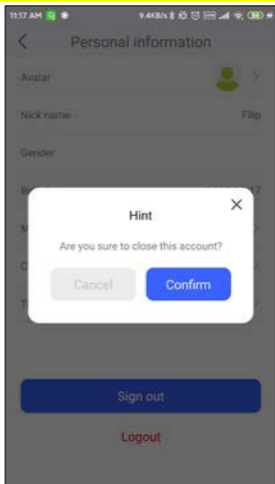
Clicking on the **Confirm** button will close the iTracker app and you will need to log in again the next time you use the app.



10.2.9. Log out

Click on **Logout** cancel your registration with iTracker.

Clicking on the **Confirm** button will cancel your registration and remove the devices that you have added. To use the iTracker app again, you will need to re-register and re-add your devices.



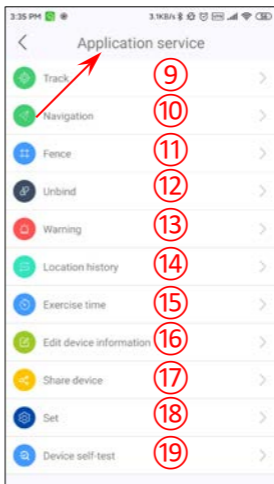
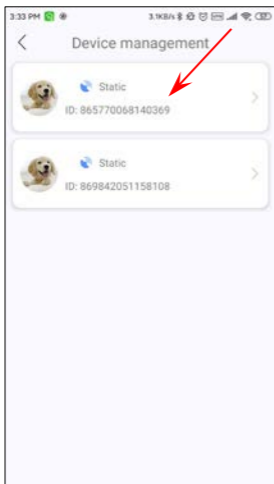
10.3. Device Management

Click on ② on the **Personal information page** to enter the **Device management page**.

Click on the device that you want to manage and enter the **Applications service page**.

There are several settings available on the **Applications service page**.

The most important settings are very briefly explained on the next pages.

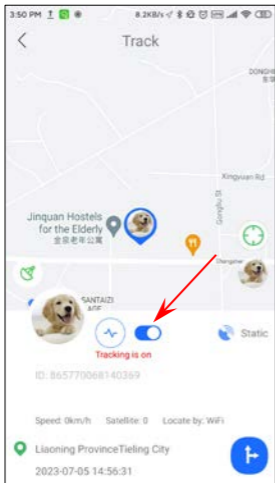


10.3.1. Track

Click on **Track** ⑨ on the **Applications service** page to enter the **Track** page.

Google Maps is being used to track your dog.

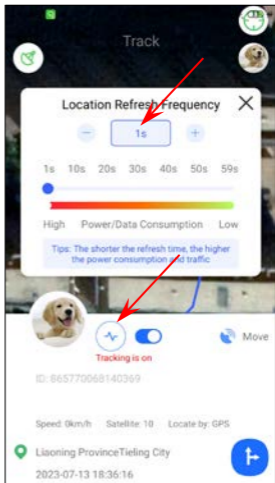
Keep the tracking switch ON.




It is very important to set the **Location Refresh Frequency** as low as possible.

We advise to set this to 1s.


Click on the  button to do the setting.

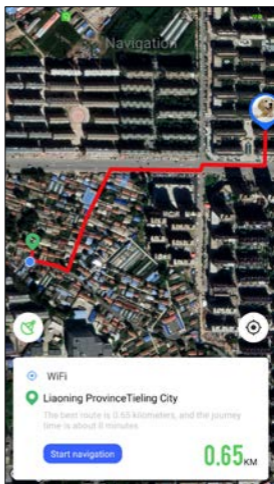
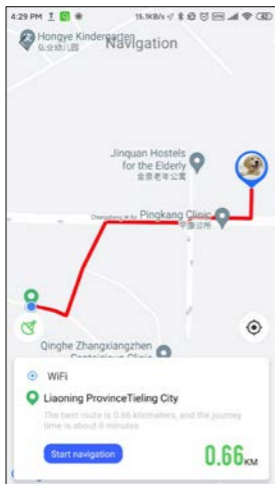


10.3.2. Navigation

Click on **Navigation**  on the **Applications service** page to enter the **Navigation** page.

Google Maps is being used to navigate from your mobile phone to your dog (the tracker).

Click on the  button to toggle between the standard map view and the 3-D view.



10.3.3. Fence

Click on **Fence** ⑪ on the **Applications service** page to enter the **Fence** page.

Click on the **+** button in the upper right corner to add a new fence.

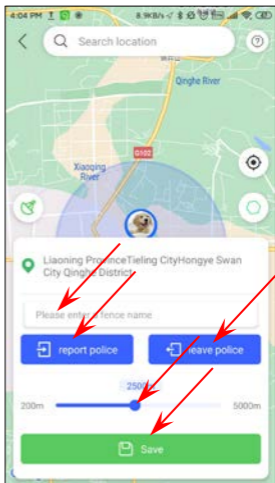
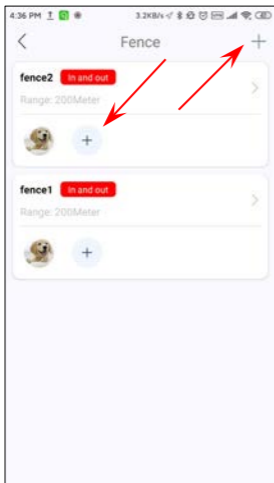
In the example below you can see 2 fences. If you want to add an extra device (a second dog) to a fence, click on the **+** button in the fence, add the extra device, and save it.

If you want to add an extra fence, click on the **+** button in the upper right corner (see **Chapter 10.4. Fence Management**).

You can add a new fence by using the map. Give the fence a **name** (max. 6 characters) and set the **diameter** of the fence (between 200 and 5000m).

We advise you to activate the **report police** and the **leave police**. By doing this you will be notified when your dog is leaving or entering the fence.

Click on the **Save** button to save your settings.



10.3.4. Unbind

Click on **Unbind** ⁽¹²⁾ on the **Applications service** page to enter the **Unbind** page. With this function, you are going to remove the tracker from the app. Fill in the email of your account and click on the **Obtain** button.

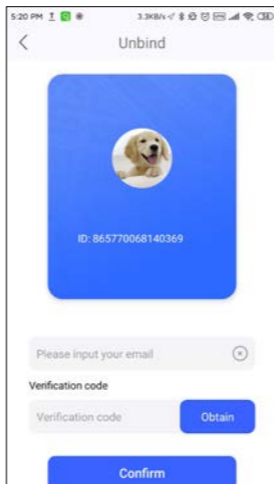
An unbind verification code will be sent to the email address you entered. You have 60 seconds to fill in the 6-digit verification code.

Check the following steps if you did not receive a verification code:

1. Make sure the email address is correct.
2. Make sure the email is not in the junk mail.
3. If you can't find the email, it may be blocked by your firewall. Check your firewall.

Click on the **Confirm** button.

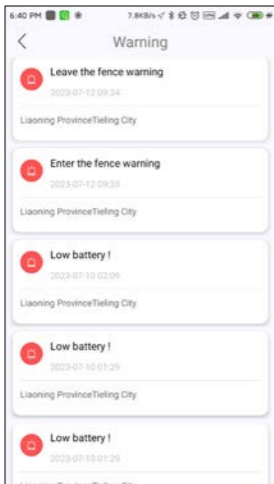
Be careful, all data from the tracker will be gone. There is no possibility to retrieve this data.



10.3.5. Warning

Click on **Warning** ⑬ on the **Applications service** page to enter the Warning page.


Here you will see a list of warnings. The warnings can include fence triggers or battery warnings.



10.3.6. Location History

Click on **Location History** ⑭ on the **Applications service** page to enter the **Location history** page.

All saved histories can be watched here. Just click on a history.

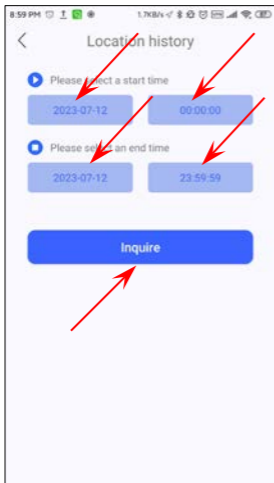
A filter can be used for showing the location history of a certain date and time. For this, you need to use the  button in the upper right corner.



After clicking the **SS** button, select a **start** and **end time**.

Click on the **Inquire** button.

In this example, the Location history from July 12 will be visible in the location history overview.



After clicking on a location history, you can play a movie of the path that your dog has followed.

Watch the movie by clicking on the **Play** button.



The Fence (the big blue circle) and the Fence triggers (the yellow fence marks) are visible on the map.

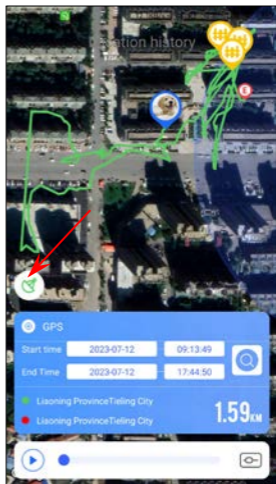
The green lines represent the track that your dog has followed.

The blue mark with the dog picture is the position of the tracker.



The map switches to a 3D view after clicking on the 3D button.

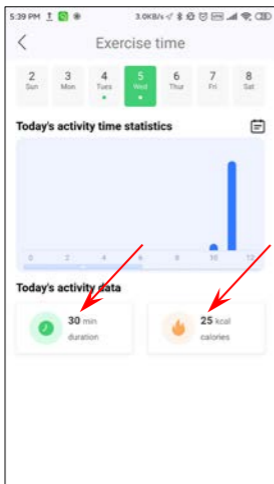
Click again and the 3D view disappears.



10.3.7. Exercise Time

Click on **Exercise time** ⑮ on the **Applications service** page to enter the **Exercise time** page.

Here you can see the daily activity and the burned calories from your dog.

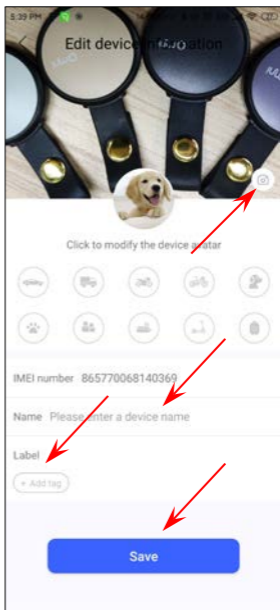


10.3.8. Edit Device Information

Click on **Edit device information** ⑯ on the **Applications service** page to enter the **Edit device information** page.

Here you can add a name to your device, change the **avatar** with the ⑰ button, and add a **label**/color with the tag button.

Save your settings by clicking on the **Save** button.



10.3.9. Share Device

10.3.10. Set

Click on **Share device** ⑰ on the **Applications service** page to enter the **Share device** page.

You can share the device with 1 or more people. The person you share the device with must have the app installed and must have an ITracker account.

Click on the + button in the upper right corner, add the **email** of the other person, and click on **Confirm**.

A Bluetooth connection is required to access the **Set** page. Keep your mobile phone close to the tracker.

Several settings can be adjusted or viewed. We advise you not to change the settings unless required.



10.4. Fence Management

10.3.11. Device Self-test

Click on **Device self-test** ⑱ on the **Applications service** page to do a self-test of the device.

This is similar to the test done by the app when you add a device to the app.

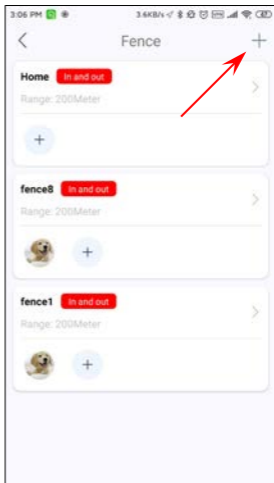
The app will test:

- The Bluetooth connection.
- The SIM card installation
- The APN
- The network
- The position

For this, we refer to **Chapter 7.7. Adding a Device in the App.**

Click on **Fence Management** ③ to enter the **Fence** page.

Adding a new fence is done by clicking on the + button in the upper right corner.



To delete an existing fence, just long click

There are 2 ways to create a fence: fixed

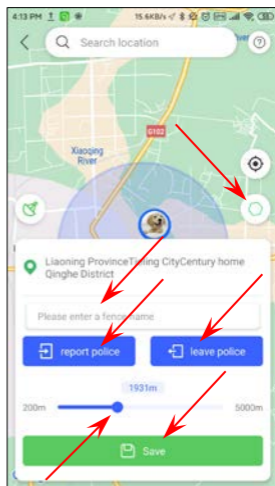
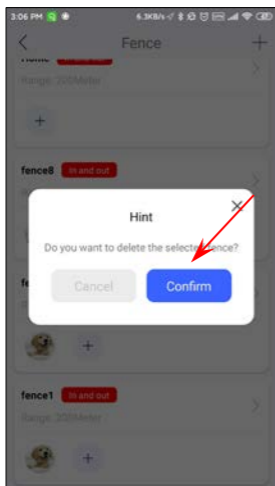
on the fence in the overview and press the **Confirm** button to delete the selected fence.


mode (200-5000m range) and custom mode (manual creation).

In fixed mode:

- select the range size (200-5000m)
- select enter the fence (report police)
- select leave the fence (leave police)
- Give the fence a name

Save your settings by clicking on the **save** button. The new fence will appear on the **Fence** page.



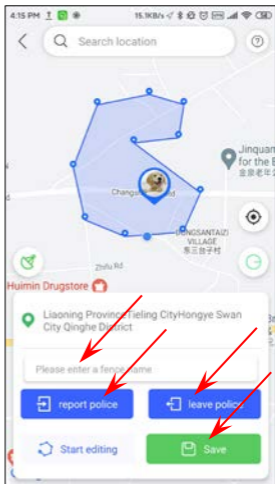
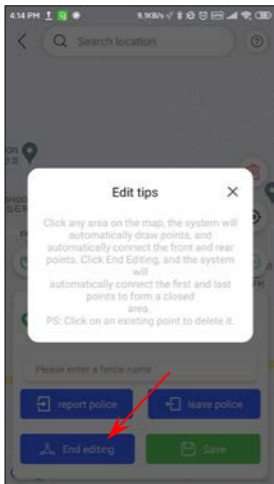
You can switch to the custom mode
When you click on the  button.

The app will show the following screen with edit tips.

Follow the tips and draw the custom fence on the map. After editing, click on the **End editing** button.

- select enter the fence (report police)
- select leave the fence (leave police)
- Give the fence a name

Save your settings by clicking on the **save** button. The new fence will appear on the **Fence** page.

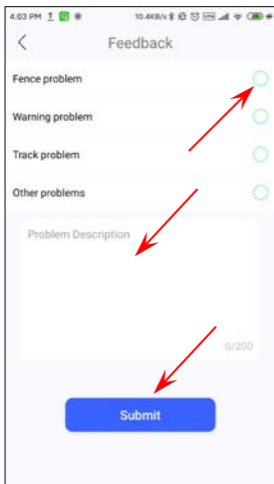


10.5. Feedback

Click on Feedback ④ to enter the **Feedback** page.

Here you can give feedback to the app developer.

Mark your problem (Fence, Warning, Track, or Other), describe the problem, and click on the **Submit** button.

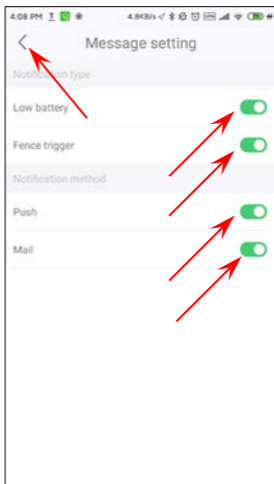


10.6. Message Setting

Click on **Message setting** ⑤ to enter the **Message Setting** page.

Activate the notification type and the notification method.

Return to the previous page by clicking on the < button in the upper left corner.



10.7. About Version

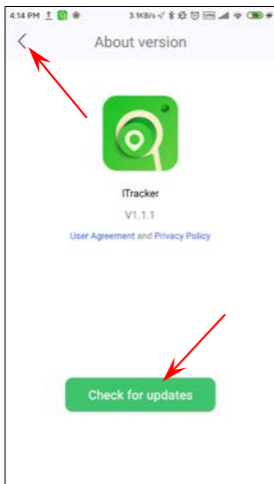
Click on About version ⑥ to enter the **About version** page.

The app shows you the version of the ITracker app. In this case, the version is V1.1.1.

When you click on the **Check for updates** button, the app will check if you are using the latest version.

You can update the app when a newer version has been found.

Return to the previous page by clicking on the < button in the upper left corner.

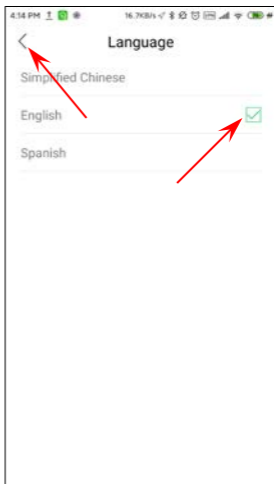


10.8. Language

Click on **Language** ⑦ to enter the **Language** page.

You can select one of the three available languages.

Return to the previous page by clicking on the < button in the upper left corner.



11. Charging the Battery



WARNINGS:

- Fully charge the battery of the GPS Tracker before you use it for the first time or after a long period of disuse.
 - To extend the life of your battery, drain it every 3 months and then give it a full charge.
 - Always follow the safety instruction as described in the chapter “Safety Instructions - Battery Safety”.
-
- Ensure that the device is switched off.
 - Attach the supplied magnetic USB cable to the charging interface of the GPS Tracker and plug the other end of the charging cable into a 5V/1A USB adapter (not included). We recommend using a USB adapter, however, using the USB interface of a computer/laptop or a powerbank is also possible (but not recommended).
 - To shorten the charging time, the 5V/1A USB adapter is the best choice.
 - Some USB outlets might have insufficient output current, which will slow down the charging speed or even hinder the charging.
 - When the device is charging, the indicator light is solid red.
 - When the battery is fully charged, the indicator light changes into solid green.
 - Unplug the USB cable when the charging is finished.
 - The charging time from an empty battery to a full battery is 3 hours.

12. Safety Instructions



READ the user instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty.

Electrical appliances and batteries can expose people, especially children, to hazards that can cause serious injury or death. The use of electrical appliances and batteries can present hazards including, but not limited to, injury, fire, electric shock, and damage to the electrical system. These safety instructions are intended to give you the information you need to use the **IRONCLAD FAMILY** GPS Tracker and avoid such hazards. Common sense and respect for the device will help reduce the risk of injury.

All possible hazards cannot be covered here, but we have tried to highlight some of the important ones. Also, observe the warnings or safety instructions in the individual chapters of this manual.

Contact us by email at support@ironcladfamily.com, if you have questions that remain unanswered by these warnings & safety instructions.

12.1. General Device Safety

- Do not use the GPS Tracker for any other purpose other than its intended use (see the chapter “Intended Use”).
- The GPS Tracker is designed and intended for private use and is not suitable for commercial purposes.
- The GPS Tracker can be used both indoors and outdoors.
- Handle the device carefully. Jolts, impacts, or a fall even from a low height can damage the device.
- Do not place the GPS Tracker on any unstable surface. This may result in falling and cause malfunction.
- Do not place the GPS Tracker under mechanical stress.
- The device needs to be properly and securely connected during charging. Follow the instructions to prevent any possible damage/injury.
- Never use accessories not recommended by the manufacturer. They can pose a danger to the user and damage the device.
- If it is no longer possible to operate the GPS Tracker safely, take it out of operation and protect it from any accidental use. A safe operation can no longer be guaranteed if the device:
 - is visibly damaged,
 - is no longer working properly,
 - has been stored for extended periods in poor ambient conditions, or
 - has been subjected to serious transport-related stresses.

12.2. Persons & Use

- The GPS Tracker is not a toy. Keep and store it out of the reach of small children.
- The GPS Tracker can be used by children aged 12 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the device safely and they understand the resulting hazards.

12.3. Electronics & USB Adapter

- You may not reconstruct, self-repair, or disassemble the GPS Tracker. This can damage the device.
- Maintenance, modifications, and repairs may only be carried out by the manufacturer, a professional workshop appointed by the manufacturer, or a similarly qualified person.
- Check the device from time to time for damage. Never use the device if it shows signs of damage.
- Do not use the device while charging the battery.
- Only use a USB adapter 5V / 1A output (not included in the package) to power charge the GPS Tracker. Another adapter with the wrong specifications may cause malfunction and/or damage. Charging with a power bank or using a USB port of a laptop/computer is allowed, but not recommended.
- To prevent damage to the adapter and/or the GPS Tracker, make sure your power mains socket supplies the correct power supply for the USB adapter.
- The mains socket must be located near the device and easily accessible.
- To avoid energy loss and possible safety risks, always remove the USB adapter from the mains socket when the battery is not being charged and before cleaning.
- Never force the plug of your USB adapter into a mains socket; if it does not fit easily into the mains socket, stop using it. Always make sure that the plug of your USB adapter is properly connected to the mains socket.
- It is normal for the USB adapter to feel a little warm; however, a loose fit between the mains socket and the plug of the USB adapter can cause overheating and deformation of the plug. Contact a qualified electrician to replace the loose or worn mains socket.
- To disconnect the USB adapter, grasp the adapter housing and pull the adapter out of the mains socket.
- If the power fails during the charging, turn off the device immediately and pull the USB adapter from the mains socket.
- If smoke is produced, or there are any unusual sounds or smells, switch off the GPS Tracker immediately and remove the mains plug from the mains socket. In these cases, the GPS Tracker should not be used until it has been inspected by the manufacturer, or a similarly qualified person. Never inhale smoke from a potential device fire. If you have inhaled smoke, consult a doctor. The inhalation of smoke can be harmful.
- For safety reasons, always disconnect the USB adapter in the event of a thunderstorm.

12.4. USB Charging Cable

- Do not modify the USB cable.
- Check the cable periodically for damage. Never use the cable if there are any signs of damage.
- Never force a connector into a USB port. If the connector and port don't come together easily, they probably don't match. Check for obstructions and make sure the connector matches the port and that you have correctly positioned the connector with the port.
- Never unplug the USB cable from the adapter or the GPS Tracker by pulling the cable. Always pull on the USB connector.
- Be careful not to trip over the cable.
- The cable must not be kinked, pinched, or twisted.
- Make sure that the USB cable is not squeezed, bent, damaged by sharp edges, or put under mechanical stress.
- Never tie a knot in the cable and do not tie cables together.
- Avoid excessive thermal stress on the cable due to extreme heat or cold.
- Children may get entangled when playing with the cable (danger of strangulation). Electric cables are not toys.

12.5. Heat & Cooling

- Do not cover the device while it is being charged as this may cause the GPS Tracker to overheat. This poses a risk of fire, electric shock, or injury.
- Make sure that the ventilation around the device is good during charging.
- Keep the device away from heat sources and away from areas where the ambient temperature is relatively high (e.g. stoves or other heat sources). Never use the device near naked flames (such as burning candles) or on hot surfaces.
- The GPS Tracker is designed to work best in normal ambient temperatures between 0°C and 35°C and to be stored at temperatures between 0°C and 45°C. The GPS Tracker may be damaged and the battery life may be shortened if the device is stored or used outside this temperature range. Do not subject your device to dramatic changes in temperature. Do not store your device in a hot car or in direct sunlight for extended periods. Do not place the device near a window (especially in the summer).

12.6. Water

This device has an IPX7 rating and is waterproof. Your dog can swim with it.

- Never charge the GPS Tracker or touch the USB adapter/charging cable with damp or wet hands. Moisture can cause electric shock or short circuits.
- Do not charge the battery in wet or damp environments (such as the bathroom).

12.7. Battery Safety

- Do not place the GPS Tracker near a fire, or in direct sunlight. The heating of the device can cause additional heating, breaking, or ignition of the battery.
- Avoid charging the battery at temperatures below 5°C or above 40°C.
- Do not continue charging the battery if it does not recharge within the specified charging time. Doing so may cause the battery to become hot, rupture, or ignite. Unplug the device once fully charged or if left unattended during charging.
- Do not attempt to recharge the battery if the battery emits any substances. In that case, immediately distance yourself from the battery in case of fire or explosion.
- Do not recharge the battery near flammable materials (fire hazard).
- Do not attempt to modify, disassemble or change the battery.
- Do not use your GPS Tracker if the battery begins to emit odor, starts to overheat, or begins to leak.
- Do not touch any leaking materials or breathe fumes emitted from the battery. Leaking or damaged batteries can lead to caustic burning of the skin. Therefore, use suitable protective gloves.
- The battery contains dangerous substances, do not open the battery or insert anything into an exposed battery.
- Do not allow children and animals to touch an exposed battery.
- Never throw the battery into a fire.
- Do not short-circuit the battery. The battery can explode or leak if shorted.
- An empty battery can still be dangerous.
- Keep the battery away from children, babies, or animals.

13. Cleaning

- Never clean while charging the battery. Always unplug your USB adapter.
- A slightly moist or dry cloth is recommended for cleaning the exterior of the GPS Tracker. Dry with a soft cloth.
- Under no circumstances use aggressive cleanings agent, cleaning alcohol, or other chemical solutions since these can penetrate the housing or impair functionality.
- Do not use abrasive objects for cleaning.
- Cleaning must not be performed by children unless supervised.

14. Maintenance & Service

- Apart from occasional cleaning, the GPS Tracker is maintenance-free.
- You may not reconstruct, self-repair, or disassemble the GPS Tracker.
- Check regularly for damage and severe wear.



WARNINGS:

- Do not attempt to open the GPS Tracker for maintenance. Removing the housing or improper reassembly may cause electric shocks, damage, short circuit, or fire.
 - If for any reason you open the housing, the warranty will become null and void. The GPS Tracker contains no user-serviceable parts. The battery cannot be replaced.
 - Maintenance, service, and repairs may only be carried out by the manufacturer, a professional workshop appointed by the manufacturer, or a similarly qualified person. To obtain maintenance or service, contact us first at our email address support@ironcladfamily.com.
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- For missing accessories such as the manual or other items, contact us at the above-mentioned email address.
 - In case of a defect, return the product to **IRONCLAD FAMILY** with a failure description, proof of purchase, and all accessories.

15. Storage & Transport

- We advise cleaning the GPS Tracker before long-time storage.
- Store the GPS Tracker in a place not exposed to sunlight & humidity, and which is dust-free.
- Do not store the GPS Tracker in extremely high or extremely low temperatures. This can damage the device.
- Store the device beyond the reach of small children.
- Recharge the battery of the GPS Tracker every 3 months even if you did not use it at all.
- Coil the USB cable loosely, but do not wrap it around the device.
- Protect the device against vibrations and shocks during transport.
- After transport or storage at very cold temperatures, the GPS Tracker must be accustomed to room temperature for approx. 30 minutes due to possible condensation. After that, the device can be used.

16. Disposal & Recycling

16.1. Device Disposal



This product complies with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE).

The crossed-out wheeled bin symbol on the device indicates that, at the end of its life, the product must be disposed of separately from normal household waste and taken to a separate collection center for the recycling of electrical and electronic equipment or returned to the seller at the time a new similar device is purchased.

The user is responsible for taking the device to a waste collection service at the end of its service life. Correct separate collection of waste with a view to subsequent recycling, processing, and environmentally friendly disposal of the device helps to prevent possible negative impacts on the environment and health and promotes the recycling of the materials of which the product is composed. The unlawful disposal of the product by the user results in administrative sanctions laid down by law. For more detailed information on the recycling of this product and the collection systems available, contact your local waste disposal service or the shop where you purchased the product.

Comply with your legal obligations and contribute to the protection of the environment.

16.2. Disposal of batteries



The handling and, in particular, disposal of batteries and accumulators are subject to defined regulations, which have become binding on the part of the European Commission through the European Battery Directive 2006/66/EC.



Li-ion

This device contains a Lithium Ion battery that cannot be disposed of with normal household waste. The battery should be recycled following your local regulations.

Remove the battery from the device before disposal. If battery removal is not possible, dispose of the electrical appliance in an electrical appliance collection bin.

As an end consumer, you are legally obliged to hand in all empty batteries in accordance with small chemical waste regulations.

16.3. Packing Material Disposal



Follow the notes and markings on the packaging.

Ensure that plastic bags, packaging, etc. are disposed of in an environmentally sound manner. Do not just dispose of these materials with your normal household waste, but make sure they are collected for recycling.

17. Limited Warranty & Liability

IRONCLAD FAMILY warrants that for one year from the date of purchase, this product will be free from defects in materials and workmanship. This warranty applies to products used for personal purposes, and not for commercial or rental purposes. **IRONCLAD FAMILY**, at its discretion, will replace or repair this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or refurbished product or component. If the product is no longer available, a replacement may be made with a similar product of equal or greater value, no refunds shall be given. This is your exclusive warranty. Your replacement unit will be returned to you for no charge and will be covered under this warranty for the balance of the warranty period.

This warranty is valid for the original purchaser from the date of initial purchase and is not transferrable. Proof of purchase is required to obtain support under the warranty.

This warranty does not cover:

- negligent use or misuse of the product;
- charging with incorrect voltage or current;
- use contrary to the operating instructions;
- disassembly, repair, or modification by anyone other than **IRONCLAD FAMILY**;
- damage caused by accidents or disasters, such as fire, flood, earthquake, war, vandalism, or theft;
- normal wear and tear.

Damage caused by failure to observe this manual will void the warranty! We do not accept any liability for consequential damage! We accept no liability for material damage or personal injury caused by improper use or failure to observe the safety instructions! In such cases, the warranty becomes void!

IRONCLAD FAMILY reserves the right to make changes at any time, without notice or obligation, in the user manual, colors, specifications, accessories, materials, and models.

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Manufactured for IRONCLAD FAMILY

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