

Animal Spotter

User Manual

Article Number: SP-H2302A

Contents

Contents 2

1. Welkom to Spotter! 4

2. Package Contents 4

4. Operation of Spotter 5

4.1. 2G and 4G Data Network 5

5. Activation 5

5.1. Charging 5

5.2. Power On and Off 5

5.3. Account creation 5

5.4. Link the Spotter Code 6

5.5. Choose Prepaid Credit 6

5.6. Establish Connection 6

5.7. Ready for use 6

5.8. Download the App 6

6. Functions 7

6.1. Automatic Location Display 7

6.2. Setting Safety Zones 7

6.3. Messages/Notifications 7

6.4. Low Battery Voltage 7
6.5. Abroad 7
7. Explanation of LED Lights 8
8. Topping Up Credit 9
9. Warranty 9
9.1. Support 9
10. Hardware Specifications 9
11. Safety Warining 10
11.1. External Infrastructures 11
11.2. Battery 11
12.3. Buttons 11
12.4. Waterproofing 11

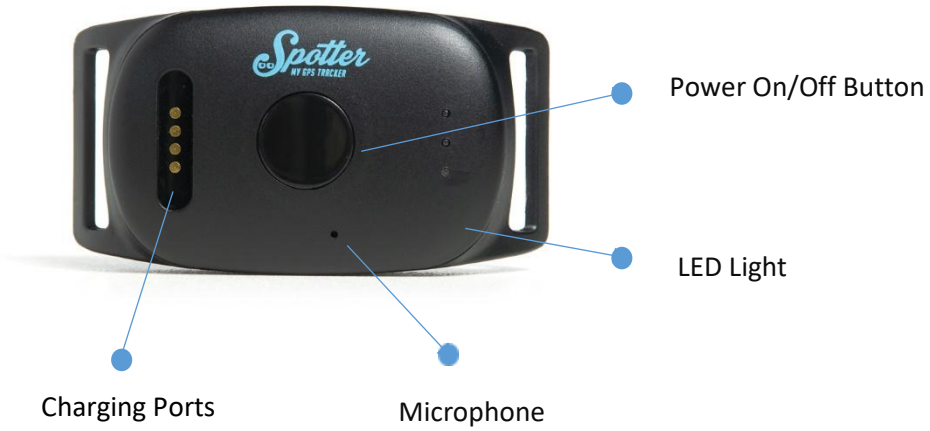
1. Welkom to Spotter!

With the Animal Spotter, you can easily keep an eye on your (pet) animal via your smartphone. Whether you have a dog, cat, horse, or cow, the Animal Spotter is suitable for various species of animals. Simply attach the tracker to your animal's collar with the included attachment strap. Or place it in your horse's saddle. A must-have for animal lovers who always want to stay connected with their pet. With the free Spotter app for iOS and Android, you always have access to location data. Discover the Animal Spotter.

2. Package Contents

Animal Spotter, attachment strap, USB cable, Spotter code, activation guide.

3. Button Explanation



4. Operation of Spotter

The Animal Spotter determines the current location via the Global Positioning System (GPS). It utilizes the highest GPS class, ensuring highly accurate locations. These locations are then sent to your online account, where you can view and manage all the data.

4.1. 2G and 4G Data Network

The Animal Spotter is a reliable GPS tracker that supports both 2G and 4G. Benefit from wide coverage with 2G, while 4G provides fast location updates when available. This versatile GPS tracker automatically switches between networks for a seamless tracking experience.

5. Activation

5.1. Charging

Fully charge the Animal Spotter (1 hour) before using the product. Use the provided USB cable for this purpose. Thanks to the magnetic charging design, charging is very straightforward. Simply connect the USB cable, and the Animal Spotter will begin charging immediately. During charging, the red LED light flashes slowly and remains continuously lit when the Animal Spotter is fully charged. The battery lasts 3 to 7 days, depending on usage. More locations are sent with increased movement, leading to faster battery depletion. When the battery percentage is less than 15%, you will receive a "low battery" notification.

5.2. Power On and Off

To turn on the Animal Spotter, press and hold the power button on the front for 1 second. The LED light will now blink rapidly. During charging, the Animal Spotter turns on automatically. To turn off the Animal Spotter, press and hold the power button on the front for 8 seconds. The Animal Spotter will then turn off 10 seconds later.

5.3. Account creation

The Animal Spotter is linked to an online account where you can view and manage all the data. Visit my.spottergps.com or download the Spotter app from the Play Store (Android) or the App Store (iOS) to create an account. You will see a login screen with the option to create a new account.

5.4. Link the Spotter Code

Log in to your online account, and a screen will appear prompting you to enter the Spotter code. Enter the Spotter code found on the card in the packaging. This is a unique code corresponding to the specific Animal Spotter. Keep this code safe. Then, the activation wizard will start, guiding you through various steps.

5.5. Choose Prepaid Credit

You are not bound by contracts or subscription fees. The Animal Spotter operates on prepaid credit. This means you top up the Animal Spotter with new credit when needed. If you're not using the GPS tracker, you don't need to top up. Affordable and flexible. This video provides more information about prepaid credit. You can easily top up the Animal Spotter via your online account. You can choose from credits for 3, 6, or 12 months.

5.6. Establish Connection

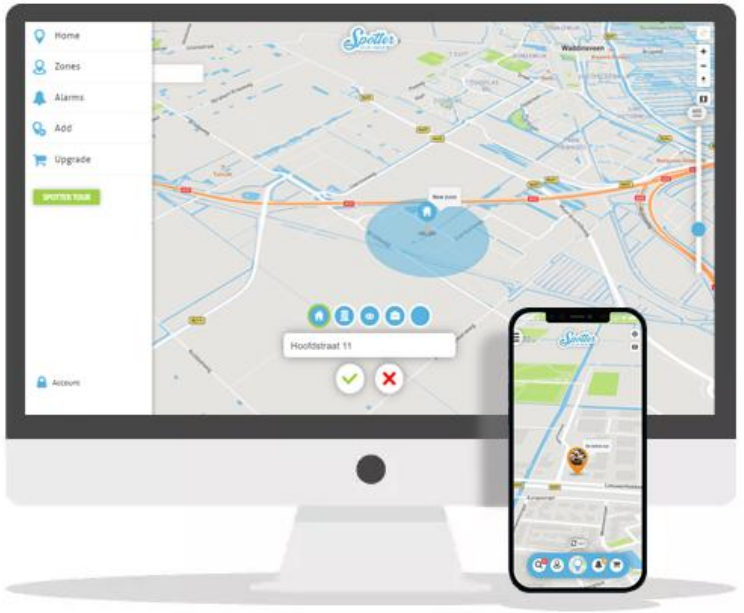
Next, take the Animal Spotter outside for at least 15 minutes so it can establish a connection with the GPS and GPRS network (satellites and mobile network).

5.7. Ready for use

You will now receive the first location, and the Animal Spotter is ready for use!

5.8. Download the App

You can also view data on the go via the Spotter app for smartphones and tablets. The Spotter app is compatible with iOS and Android and can be downloaded from the App Store (iOS) and Google Play Store (Android).



6. Functions

With the Animal Spotter, you have the following functionalities.

6.1. Automatic Location Display

The Animal Spotter is equipped with a motion sensor that detects the difference between movement and stillness. When in motion, a location is sent every 3 minutes, which you can view online on your account or via the Spotter app. When the Animal Spotter is not in motion, the location is sent every 30 minutes. You can view all locations for 7 days; after that, the data is deleted.

6.2. Setting Safety Zones

Log in to your online account and set zones within which the Animal Spotter must remain. Draw a circle over an area to determine the boundaries. If a location is received outside a zone, you will receive an immediate notification. To adjust the size of the zones, click on the zone icon you placed on the map. Then click on edit in the menu that appears. Now you can adjust the size of the circle using the arrows.

6.3. Messages/Notifications

All messages sent from the Animal Spotter, such as locations and notifications, are received on your online account, via email, and through a push notification from the Spotter app.

6.4. Low Battery Voltage

If the battery voltage drops below 15%, you will receive a notification so that you can recharge the Animal Spotter on time.

6.5. Abroad

You can use the Animal Spotter throughout Europe. Check here for the countries included.

7. Explanation of LED Lights

There are 3 LED lights on the left side of the Animal Spotter.

 Green light – mobile network

Light type	Meaning
The green light blinks rapidly once every 3 seconds.	The Animal Spotter has good coverage with the mobile network.
The green light blinks rapidly twice in succession every 3 seconds.	The Animal Spotter is registered on the mobile network.

 Blue light - GPS connection

Light type	Meaning
The blue light blinks rapidly once every 3 seconds.	The Animal Spotter does not have a location fix.
The blue light blinks rapidly twice in succession every 3 seconds.	The Animal Spotter has a location fix and can determine a location.
The blue light is off.	The Animal Spotter does not have a location fix.

 Red light - Battery

Light type	Meaning
The red light is continuously on.	The Animal Spotter is fully charged.
The red light blinks rapidly in succession.	The battery of the Animal Spotter is lower than 15%.
The red light is off or blinking slowly.	The Animal Spotter is charging.

8. Topping Up Credit

To add credit, go to your online account and select "top-up", where you can choose from prepaid credit for 3, 6, or 12 months. You don't need to top up the Animal Spotter immediately when the credit is used up. For example, you can choose not to use the Animal Spotter for 3 months and then activate new credit afterwards.

9. Warranty

The warranty period is 24 months for the hardware and starts from the moment the Animal Spotter is delivered. More information about the warranty policy can be found in our Terms and Conditions, articles 15 and 16.

9.1. Support

Our customer service is available on weekdays from 09:00 to 17:00.

10. Hardware Specifications

Contents	Specifications
Dimensions	61mm x 35mm x 16mm
Weight	38 grams

Contents	Specifications
Frequency bands and max. transmit power	LTE-M / NB-IoT band 1 (1920–1980 MHz): 21.1 dBm LTE-M / NB-IoT band 3 (1710–1785 MHz): 20.6 dBm LTE-M / NB-IoT band 8 (880–915 MHz): 21.01 dBm LTE-M / NB-IoT band 20 (832–862 MHz): 21.0 dBm GPS/GNSS (1575.42 MHz): receive only Wi-Fi (2.4 GHz) and Bluetooth LE: present in hardware, not activated
GPS Chip	AT6558
Antenna	Built-in laser curved antenna.
Time to First Fix	Time to First Fix: Cold start 32 sec, Warm start <1 sec, Hot start >1 sec
Charging Voltage	5V DC
Battery	Rechargeable, 3.7V, 800mAh (Li-Polymer)
Charging	4 Pin-magnet
Waterproofing	IP67 (submersible)
MCU	nRF52840

11. Safety Warining

11.1. External Infrastructures

The operation of the product depends on infrastructures such as GPS, GSM, and internet connections that are beyond Spotter's control. Spotter is not liable for the proper and uninterrupted functioning of these infrastructures and the peripheral equipment used or for failure or inaccessibility of or disruptions in its system, nor for the possible consequences thereof.

11.2. Battery

The battery in the Animal Spotter must not be removed. It should not be used in a humid, wet, and/or corrosive environment. The Animal Spotter must not be placed, stored, or left near a heat source, in an environment with high temperatures, in strong, direct sunlight, in a microwave, or in a pressure vessel, and you must not expose the Animal Spotter to temperatures above 60°C (140°F). Failure to comply with these instructions may cause acid leakage from the battery or the battery may become hot, explode, ignite, and cause injury and/or damage. You must also not open, dismantle, or puncture the battery. If you want to charge the Spotter battery, you should use the provided USB cable and USB charger for this purpose.

12.3. Buttons

The Animal Spotter is equipped with a button on the front that can be pressed. Pressing the button too hard may damage the Animal Spotter.

12.4. Waterproofing

The Animal Spotter is waterproof/submersible (IP67). The IP67 rating for GPS trackers indicates excellent dust and water resistance. The '6' indicates protection against dust, while '7' indicates water resistance up to 1 meter deep. Therefore, ensure that the Animal Spotter does not come into contact with excessive water. We advise against showering or swimming with the Animal Spotter.



WEEE Directive

This symbol on the packaging indicates that this product should not be treated as household waste. According to the EU Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE), this electrical product should not be disposed of as unsorted municipal waste. For proper waste disposal, this product should be taken to the local municipal collection point for recycling.

CE Marking

Hereby, Spotter B.V. declares that the radio equipment type Animal Spotter (SP-H2302A) is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.spottergps.com/compliance/

Manufacturer

Spotter B.V., Leeuwenhoekweg 20c, 2661 CZ Bergschenhoek, The Netherlands - www.spottergps.com

This User Manual

We have compiled this manual with great care. Due to continuous product development, it is possible that information may not be fully up to date. Spotter B.V. cannot be held liable for editorial or technical errors in this document, nor for any incidental or consequential damages arising from the performance or use of this material.