SAFESHOOT

NON SHOOTER DEFENDER
USER MANUAL

Thank you for choosing SAFESHOOT ™
Assisting in Preventing friendly fire.

Congratulations! You have joined the
SAFESHOOT Team - adding an extra
layer of safety to the hunting environment
and improving situational awareness.

This User Manual will take you step by
step through the functionalities of **SAFESHOOT
Non Shooter Defender (NSD)** device to ensure
your correct and safe use of this product.

For any further information, please contact us
at www.safe-shoot.com/support
or by email: support@safe-shoot.com.

Thank you and have a
safe hunt! **SAFESHOOT**

The package includes:
1. Non Shooter Defender (NSD) Device.
2. Case.
3. User Manual.
4. Two Batteries.
5. Night Filter.
6. BLE Dongle.

TABLE OF CONTENTS

🛑 CAUTION

- This booklet provides guidelines for correct use of **SAFESHOOT** Non Shooter Defender (NSD) device. All general guidelines regarding good, safe firearm handling in the field should always be followed.

- **BEFORE USING SAFESHOOT,** carefully read and understand the following **INSTRUCTIONS** and **SAFETY PRECAUTIONS.**

- **RESPONSIBILITY AT ALL TIMES. SAFESHOOT** assists hunters in maintaining high standards of safety practice and is not a substitution for responsible behavior and safe hunting practices.

- Disregarding the warnings and safety precautions set forth below can result in serious injury or even death to you and others and damage to property.

- The **SAFESHOOT** device cannot distinguish between a person and an animal.

- Regularly check the indicator lights for battery and GPS.

- Use ONLY genuine **SAFESHOOT** accessories and replacements parts that have been approved by **SAFESHOOT**.

- The **SAFESHOOT** Non Shooter Defender device has been designed for use in a **SAFESHOOT** bag or pouch ONLY.

- Use of a **SAFESHOOT** device does **NOT** protect against being shot.

⚠️ WARNINGS

Failure to comply the warnings in this booklet may result in serious injury to you or others.

- The **SAFESHOOT** system is designed for open hunting landscapes. It is **NOT** to be used inside buildings or anywhere that a GPS position cannot be determined.

- Never disassemble the device. Disassembly will void the warranty and render the device inoperable.

- Do not use deteriorated, oxidized or corroded batteries. Inspect batteries for rips, tears, dents or cuts in the battery case. Any of these conditions could affect the operation of the device.

- Be sure to insert batteries with correct polarities and always follow battery manufacturers' instructions.

- Be sure to insert the Non Shooter Defender (NSD) upright and in the proper orientation.

- **SAFESHOOT** is designed for use in the continental United States of America, Alaska and Canada ONLY.

- Use of night filter decreases LED visibility and do **NOT** use it during day light.

- Avoid using the **SAFESHOOT** device near electrical power lines, large metallic bodies, magnetic adaptors, locations with magnetic interference or operating electric motors.

DEVICE REGISTRATION /ACTIVATION

New devices only

1. Go to www.safe-shoot.com
2. Sign up OR log in if you already have an account.
3. In your **Customer Dashboard**, note the three orange buttons on the left: "Activate", "Download", and "My Devices".
4. Click on **"Activate"**. This form will register the devices to you, and generate activation codes for each device.
5. Fill out the form with up to five **SAFESHOOT** device serial numbers (digits only), then click **"Submit"**.
6. Write down or copy your activation codes, you will need them later. You can also email them to yourself with the button marked **"Email me these codes"**.
    6.1 Your Devices with their serial numbers and activation codes can also be viewed at any time under the **"My Devices"** button.
7. Click on the "**Download**" button to download the **SAFESHOOT Connect** application.
    7.1 Select your operating system, and download the file.
8. Before proceeding, plug in the Bluetooth USB dongle included in your **SAFESHOOT** package into a **USB** port.
9. You will only be able to activate one device at a time, so power off all **SAFESHOOT** devices except the one you intend to activate.
10. Make sure the device you intend to activate has fresh batteries - either two CR123 batteries (using the battery sleeve included) or one 18650 battery (without the sleeve), and is turned on by pressing the power button.

IMPORTANT: FROM HERE ON OUT, DO NOT POWER OFF YOUR DEVICE AT ANY TIME UNTIL THE ACTIVATION IS COMPLETED.

11. Once the program finishes downloading, launch it.
    Note for Windows users - The application must be run using system administrator privileges. To do so - right click on the application icon and select **"Run as Administrator."**
    11.1 You may have a follow up prompt asking if you wish to allow this program to make changes to your computer, select **"Yes"**.
12. Enter your device activation code, including hyphens, into the form.
    12.1 Confirm that your device is powered on and is no more than 5 feet away from the computer.
13. Press **"Activate"**.
    13.1 The program will locate your device.
14. After the activation process is completed, a beep sound will be heard.
15. Your device is now activated. You may turn it off and proceed with the manual.

GENERAL DESCRIPTION

This manual is an overview of the **SAFESHOOT** Non Shooter Defender (NSD) device and covers the basic operation features and benefits of this system.

SAFESHOOT is a unique system that assists in preventing friendly fire incidents and increases situational awareness. By attaching a Shooter device that fits most rifles, parallel with the barrel, shooters will be automatically alerted when another **SAFESHOOT** device holder is downrange and in the line of fire. The system can work even if the line of sight between the shooter and target is not complete.

SPECIFICATIONS

Device Sensors	
GPS	Glonass and GPS Receiver
Transceiver	900 MHz
Device Details	
Weight:	6.3 oz.
Length:	4.33 inches
Width:	2.17 inches
Height:	2.76 inches
Water resistant:	Up to 7.87 inches for about ½ an hour
Range:	Up to 900 yds
Color:	Black
Alert type	Audio and visual
Electrical Details	
Battery	2 * CR123A 3V Lithium battery OR 1 * 3.7V 18650 rechargeable battery
Battery life	A hunting day
Auto battery check	Yes

*All values are subject to alteration without notice at any time by the manufacturer.

OVERVIEW – NON SHOOTER DEFENDER DEVICE

Tail Cap

Operating Display

Power On / Off Button

SAFESHOOT

Non Shooter Defender device in **SAFESHOOT** backpack.

Power On / Off Button

SH-202US
SN-000000
MADE IN ISRAEL

Serial Number

Non Shooter Defender device in **SAFESHOOT** pouch, attached to a dog collar.
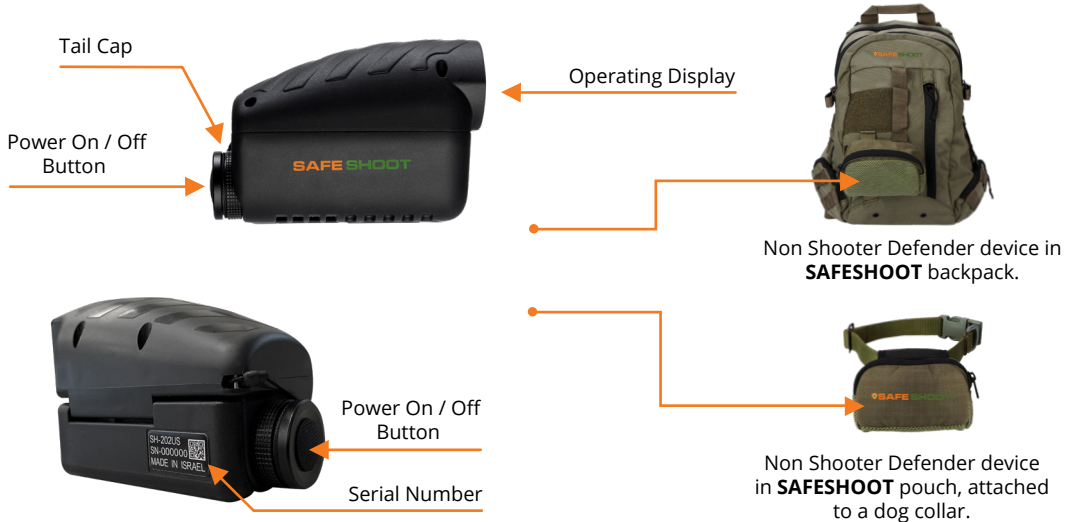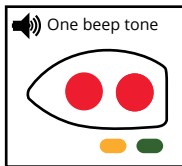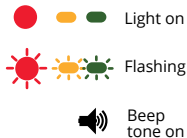
OPERATION PRINCIPLES

1. The **SAFESHOOT** system is designed for open hunting landscapes. It is **NOT** to be used inside buildings or anywhere that a GPS position cannot be determined.

2. The **SAFESHOOT** system can be effective 5 minutes after power up when GPS and satellite reception signals are ongoing (check "Notification and Alerts" table).

3. The system is effective only when 2 or more users are equipped with connected devices (at least one shooter).

4. The devices share data between each other.

5. Once turned on, the system operates continuously and does not require any other user interaction.

6. Automatic visual and audio indication once another system enters the shooter line of fire.

7. Use new and fresh batteries for every hunting day.

INDICATIONS AND ALERTS

🔊 One beep tone
Device powerup test
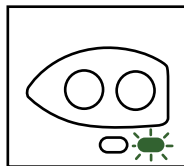
Normal operation
System is in order

🔊 One beep tone every 3 seconds
Low battery

🔊 Continuous beep tone
Device powerup test failed
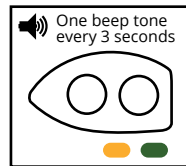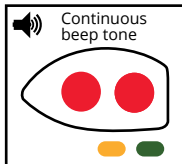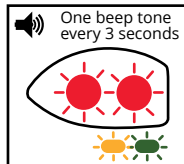
🔊 One beep tone every 3 seconds
Critical battery
Replace batteries immediately
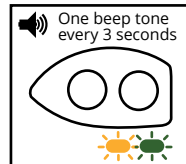
🔊 One beep tone every 3 seconds
Limited functionality
Sensor alerts
See troubleshooting

● ━ ━ Light on

☀ ☀ ☀ Flashing

🔊 Beep tone on

BATTERIES

Battery Type
The **SAFESHOOT** device has been designed to work with two 3V CR123 Lithium batteries or a single 3.7V 18650 rechargeable battery. **DO NOT** use any other type of battery or power cell. **DO NOT** use other types of rechargeable batteries. It is recommended to use 3.7V 18650 rechargeable batteries that are sold online at www.safe-shoot.com/store.

Battery Life
Battery life is affected by many variables, including how often the **SAFESHOOT** device is switched on and off, how often the alert is activated, and the ambient temperature. Under normal conditions, a fresh battery will supply power for a typical hunting day of continuous operation before the low battery state is activated. We do not recommend the use of rechargeable batteries in extreme weather conditions.

Battery Indicator
A low-battery level is indicated by yellow and green led lights both turned ON (not flashing).

A critical battery level is indicated by all LEDs flashing simultaneously and a beep sound every 3 seconds. The batteries must be replaced with fresh batteries.

YELLOW FLASH   **GREEN FLASH**

OPERATING INSTRUCTIONS

⚙ **Preparations**
Use ONLY 3V CR123 LITHIUM BATTERIES ① with the compartment sleeve ② or
3.7V 18650 rechargeable battery ③.

⚙️ Battery Installation

FOR 3V CR123 LITHIUM BATTERIES:
1. Make sure the compartment sleeve is in the device ②.
2. Insert the batteries ① one after the other according to the correct polarity (first "+") into the compartment sleeve ②.
3. Tighten the tail cap ④.

OR

FOR 3.7V 18650 RECHARGEABLE BATTERY:
1. Make sure the the battery is charged according to the MANUFACTURER INSTRUCTIONS.
2. Remove the compartment sleeve ② and return it to the case for safe keeping.
3. Insert 3.7V 18650 rechargeable battery ③.
4. Tighten the tail cap ④.

⚙ Turn on

1. Turn on the device by pressing the power button ①.
2. All leds (red, yellow and green) light until a beep sound is heard.
3. Verify that the Sensors Alert (green and yellow leds flashing) is visible. This alert will be displayed until the device warm-up is completed (see page 22 for details).
4. Device warm-up: Leave it still and upright with a view of the open sky for a few minutes.
5. Wait until the beep sound stops and "System is in Order" led is flashing.

⚙️ Device Installation

Use **SAFESHOOT** backpack or pouch ONLY.

BACKPACK:
1. Insert the Non Shooter Defender (NSD) device into a **SAFESHOOT** backpack.
2. Make sure the device is positioned correctly (see illustration).

DOG COLLAR:
1. Insert the Non Shooter Defender (NSD) device into a **SAFESHOOT** pouch that is attached to a dog collar.
2. Make sure the device is positioned correctly (see illustration).

or

If the device, backpack or pouch gets wet, dry them thoroughly immediately after.

NOTIFICATIONS AND ALERTS

The system uses three LEDs for display: red, yellow and green, and a beep tone.
The following table lists the various notifications and alerts:

Non Shooter Defender		🔴 Red	🟡 Yellow	🟢 Green	🔊 Beep	Other	Remarks
General	Device powerup test	On (2 LEDS)	On	On	One beep		
	Powerup test failed	On	On	On	On		
	System is in order			Flashing			Slowly
	Low battery		On	On	One beep every 3 seconds		
	Critical battery	Flashing	Flashing	Flashing	One beep every 3 seconds		Replace battery
Limited Functionality	Sensors alert		Flashing	Flashing	One beep every 3 seconds		See troubleshooting section

TROUBLESHOOTING

Troubleshooting Table
The troubleshooting table below contains reference to faults in operating **SAFESHOOT** device.
For each fault, the possible cause is provided as well as the recommended remedy:

First Operation			
#	**Fault**	**Possible Cause**	**Remedy**
1	Leds are flashing but no beep sound.	Device Activation was not completed.	Activate the device - refer to P8.
2	The CR123 batteries are loose in the battery compartment.	Battery compartment sleeve is not in place.	Take out the batteries, and place battery compartment sleeve inside the compartment. Reinstall the batteries.
3	Power disconnection occurs (device frequently reboots).	The tail cap is not tightened.	Tighten the tail cap manually.
4	The device won't turn on.	The batteries poles are wrongly oriented / The battery is not charged.	Orient the batteries correctly/Insert fresh batteries.

Use			
#	**Fault**	**Possible Cause**	**Remedy**
5	Green and yellow LEDs are on and a beep tone every 3 seconds.	Low battery.	Replace the battery soon.
6	Green and yellow LEDs are flashing and a beep tone every 3 seconds.	GPS needs to warm-up.	Leave the device still and upright in open sky until device warm-up is completed (beep tone stops).
		Poor GPS satellite signal reception.	Verify that the device is placed correctly in the bag or pouch, try to improve the bag or pouch position.
7	All LEDs are flashing + beep sounds every 3 seconds.	Extremely low battery: the device cannot be used.	Replace the battery with fresh CR-123 batteries, or fresh 3.7V 18260 Battery.

SOFTWARE UPDATE GUIDE

Software update is required ONLY if you have received a message from **SAFESHOOT** announcing that an update has been released.

1. Go to www.safe-shoot.com and log in to your account.
2. In your Customer Dashboard, note the three orange buttons on the left: "Activate", "Download", and "My Devices".
3. Click on the **"Download"** button to download the latest version of the **SAFESHOOT Connect** application.
   3.1 Select your operating system, and download the file.
4. Before proceeding, plug in the Bluetooth USB dongle included in your **SAFESHOOT** package into a USB port.
5. You will only be able to update one device at a time, so power off all **SAFESHOOT** devices except the one you intend to update.
6. Make sure the device you intend to update has fresh batteries - either two CR123 batteries (using the battery sleeve included) or one 18650 battery (without the sleeve), and is turned on.

IMPORTANT: FROM HERE ON OUT, DO NOT POWER OFF YOUR DEVICE AT ANY TIME UNTIL THE UPDATE IS COMPLETED.

7. Once the program finishes downloading, launch it.
   Note for Windows users - The application must be run using system administrator privileges.
   To do so - right click on the application icon and select **"Run as Administrator"**.
   7.1 You may have a follow up prompt asking if you wish to allow this program to make changes to your computer, select **"Yes"**.

8. Enter your device activation code, including hyphens, into the form. Your Devices with their serial numbers and activation codes can be viewed at any time under the **"My Devices"** button
    8.1 Confirm that your device is powered on and is no more than 5 feet away from the computer.
9. Press **"Update"**.
    9.1 The program will locate your device.
10. Follow the prompts from the program.
    10.1 During this process, the device may turn itself off and back on, this is normal.
    10.2 The update process can take up to 30 minutes depending on your computer.
11. During update, ALL leds light. DO NOT power off the device until updating is complete.
12. Once updating is complete, the program will notify you and your **SAFESHOOT** device will display a yellow and green light, indicating that the device is currently operating in limited functionality mode.
13. Once updating is complete, power off and back on the device by pressing the power button twice. You may now proceed with the Operating Instructions.
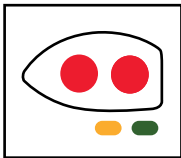
All LEDs light until software update is completed.
DO NOT power off the device during software update.

CARE AND MAINTENANCE

The **SAFESHOOT** device is a precision instrument. The **SAFESHOOT** device will last longer if treated according to the manual guidelines.

The **SAFESHOOT** device is waterproof up to 7.87 inches for about 1/2 an hour but is **NOT** designed for underwater use and should not be used under water.

If the device, backpack or pouch gets wet, dry it thoroughly immediately after.

Tail Cap
Ensure the tail cap is fully screwed and tightly closed after battery replacement to ensure the sealing of the device. Occasionally wipe and lightly lubricate the threads to avoid binding.

LEDs Panel
The LED's panel is coated with a water-repellent coating. If the panel becomes contaminated by debris or dust, blow or gently brush them away with a soft brush. To remove fingerprints or water spots, use a soft cloth.

Update of the software: the **SAFESHOOT** device may require software updates in order for it to work optimally in conjunction with the other devices and networks. **SAFESHOOT** will provide all of these updates online, at www.safe-shoot.com/support. It is your responsibility to apply these updates and to ensure that the **SAFESHOOT** device has the most up-to-date software version installed on it.

PRODUCT WARRANTY

The **SAFESHOOT** device is warranted against defects in materials and workmanship for a period of one year from the date of purchase ("Warrantied Period"). During the Warranty Period, the **SAFESHOOT** device, or one or more of its hardware components, will be repaired or replaced according to **SAFESHOOT's** decision without charge to you for either parts or labor. **SAFESHOOT** will not be responsible for conditions arising as a result of improper installation or misuse of the **SAFESHOOT** device. You are responsible for all installation charges or incidental expenses associated with replacing the **SAFESHOOT** device and the cost of shipping the system to the location that will be defined by **SAFESHOOT**. If the **SAFESHOOT** device or its components have been repaired or replaced, the Warranty Period will be altered to expire EITHER after 1 year from the original date OR extended to 90 days after the repair or replacement - the longer of the two. The warranty is only valid for the original purchaser with proof of purchase and does not cover any of the following:

- The rubber power button, damage to the window, water damage caused by immersion or other damage resulting from misuse, abuse, an accident, proximity or exposure to heat, flood, fire, or other acts of nature or external causes;
- Cosmetic damage, such as scratches, nicks and dents;
- Consumable parts, such as batteries, unless product damage has occurred due to a defect in materials or workmanship;
- Damage caused by use with products, applications or services not manufactured by **SAFESHOOT**;
- The device and/or the system has been altered or modified without **SAFESHOOT** prior written consent;
- Damage caused by use not in accordance with the operation manual or any other instruction provided by **SAFESHOOT**.

In addition, if an issue with the product can be resolved by installing an available **SAFESHOOT** software update then **SAFESHOOT** will not view such an issue as a defect covered by this warranty.

We cannot guarantee or warrant that your wireless data service (such as any GPS, satellite or compass services) will always be available or will always function properly. Therefore, **SAFESHOOT** disclaims any liability for events or damages resulting from such reliance or the failure of the wireless data service to perform or to be available for your use of the **SAFESHOOT** device, including, without limitation, the lack of service coverage in the area in which you wish to use the **SAFESHOOT** device.

This limited product warranty is the sole and exclusive warranty applicable to the **SAFESHOOT** device. **SAFESHOOT** disclaims all other express warranties and all implied warranties of merchantability and fitness for a particular purpose, to the fullest extent permitted by applicable law. No representative, dealer or agent of **SAFESHOOT** has the authority to make any representation, warranty, or agreement on behalf of **SAFESHOOT** with respect to the **SAFESHOOT** device. No warranty of any kind or nature is made by **SAFESHOOT** beyond those expressly stated herein.

In no event shall **SAFESHOOT** be liable for any special, collateral, indirect, punitive, incidental, consequential, or exemplary damages in connection with or arising out of the use of the **SAFESHOOT** device.

REPAIR SERVICES

Please refer to the troubleshooting table for possible faults and recommended remedies in operating **SAFESHOOT** device.

If you still need assistance with operating your SAFESHOOT device or for replacement parts, please contact us at www.safe-shoot.com/support or by email: support@safe-shoot.com.

Warranty service requires verification of ownership and date of purchase. Please submit the original invoice to establish ownership and date of purchase. If acceptable proof of purchase is not available for verification, the Warranty Period is deemed to have begun on the manufacturing date marked on the **SAFESHOOT** device.

Nothing in this Operation Manual shall mean or be interpreted as reducing any of your responsibilities while using a firearm. Nor does it mean to reduce any of your legal or other obligations to ensure your shooting activities as is required by law or regulation and/or is generally accepted practice of such use of firearm.

REGULATORY COMPLIANCE

Contains FCC id number:
- FCC Xbee MCQ~XB900HP
- FCC BLE 2AA9B04

◆SAFESHOOT

Compliance Information Statement

We SafeShoot declare:

Type of equipment: Assisting in preventing hunting friendly fire accidents, Outdoor
Brand name or trademark: SafeShoot
Product Identification number: SH-2/02US, SD-101US
Applicable Compliance Statements: XBee-Pro 900HP S3B FCCID-MCQ-XB900HP
                                       Rigado BMD 300 FCCID-2AA9B04

Copies of Compliance Statements for each SDoC modular component used:
- Modular 1 - XBee-Pro 900HP S3B , FCC ID MCQ-XB900HP, Link to statement / or copy in UM
- Modular 2 - Rigado BMD 300, FCC ID 2AA9B04, Link to statement / or copy in UM

Country of origin: Israel
Manufacturer: SafeShoot
Responsible Party name (IN USA) : SafeShoot INC
Address: 600 S. Spring St. Suite PH11 Los Angeles, CA 90014
Telephone: 818.862.9200
Internet E-Mail : liron@safe-shoot.com

Standards applied:
- FCC Part 15B- For Unientional radiators
- FCC Part 15C- For Intentional radiators

Test reports/ certificates issued by GTS

As manufacturer/ manufacturer's authorized representative within the USA, we declare under our sole of
responsibility that the equipment follows the provisions of FCC Equipment Authorization Procedures under
CERTIFICATION (47 CFR Section 2.907) and / or SUPPLIER'S DECLARATION OF CONFORMITY (47 CFR
Section 2.906) as stated above.

Thus, is placed on the product

Date of issue: ....November / 02 ....2018.............
Place of issue: ....Israel...................

(Signature & Name of authorized person)   (Company Stamp)

 סייפשוט בע"מ
SafeShoot Ltd.
ח.פ. 514778233 .No.Co

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In the interest of product improvement, design and performance characteristics may be changed at any time without prior notice.

English Edition 1.01

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