



## 1 Overview



1	Loudspeaker	5	RPG-7 Adapter
2	Firing signature	6	RPG-7 Fill
3	Laser aperture	7	SAAD Align 72
4	Battery		

## 2 General

### 2.1 Laser safety Class 1

**LASER Class 1** A Class 1 laser product does not present a hazard to the human eye. There are no associated hazard distances.

The user is not at risk when directly exposed to the beam even at close range, however it is recommended that the user avoids direct exposure to the beam as a matter of good practice.



## **WARNING!**

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**Do not try to open the laser product. In case of failure, the laser product shall be sent to Saab Training Systems for service and repair.**

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## **2.2 Battery safety**



## **WARNING!**

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**Prevent Batteries from:**

- **Damage**
  - **Short circuit**
  - **Exposure to temperatures above 70°C (158°F)**
  - **Being dismantled**
  - **Immersion in liquids**
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For more information about how to handle Lithium Batteries in a safe way, see Safety Handling Instructions 8875 809-470.

## **2.3 Interaction between RPG-7 and PDD (option)**

The RPG-7 and the PDD interact as follows:

- the PDD and the RPG-7 communicate using WLN (short range Radio Communication)
- the RPG-7 automatically associates to the nearest PDD
- if the weapon is handed over to another soldier the RPG-7 automatically detects and associates with the new PDD

Each time the soldier fires the simulator, the RPG-7 checks the status of the PDD to determine if the soldier is alive, wounded or killed. The soldier can not use the RPG-7 if the soldier has a kill or seriously wounded status and is therefore unable to handle the weapon.

## 3 Installation

### 3.1 Battery Installation

1. Make sure that the battery housing is clean and empty.

—— **Note!** —————

*Make sure that the battery is charged.*

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2. Position the battery with the rails of the battery facing backwards and push the battery into the battery housing. When the simulator is powered up and the BIT is OK the simulator generates a short tone.



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**Note!**

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*The battery typically needs to be replaced every 100 hours. The replacement times are reduced in cold conditions.*

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## **3.2 Align the RPG-7**

1. Put the SAAD Align 72 and the RPG-7 adapter together.



2. Attach the SAAD to the front end of the RPG-7.



3. Rotate the optics of the SAAD into the line of sight. A reticle pattern will be visible.



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**Note!**

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*The SAAD will turn off if a BIT error is detected, see Troubleshooting.*

*The SAAD will also turn off after 3 minutes as a battery saving feature. Remove the SAAD and reinstall after 5 seconds.*

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4. The shooter should adopt a firing position and look through the sights. Adjust the reticle pattern to the sight by turning the two adjustment screws.



Correctly aligned:



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**Note!**

*If the alignment screws reach their end position, do not use excessive force, contact the Support team.*

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## 4 Operation

### 4.1 Fire the simulator

#### Safety conditions



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**WARNING!**

**It is recommended to use ear protection when operating the simulator, because of high sound.**

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1. Follow the normal procedure for the actual weapon.

2. Make sure no other personnel are within the safety area.
3. Fire the simulator.
4. The firing signature will be simulated with a flashing LED in the front and a firing sound from the loudspeaker in the rear of the RPG-7.

— **Note!** —

*There is a default reload time after firing.*

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## 4.2 Refill ammunition (option)

— **Note!** —

*The RPG-7 is loaded with X number of ammo.  
"Out of ammo" sound is generated when the  
RPG-7 has run out of ammo.*

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1. Put the RPG-7 Fill and the RPG-7 adapter together.





2. Attach the RPG-7 Fill SAAD to the front end of the RPG-7.



3. When the ammunition is loaded the RPG-7 generates a short tone.

# 5 Maintenance

## 5.1 Troubleshooting

<b>Symptom</b>	<b>Cause</b>	<b>Corrective action</b>
Double tone	Low battery	Replace battery with a charged battery
	Simulator not working	Replace the simulator
No simulation when firing (no firing sound or flashing LED)	Fire button not pressed long enough	Press fire button at least 1 second
	Firing again too quickly	Wait for loading time and try again
Triple tone after firing	Low battery warning	Replace the battery as soon as possible
Beep sound when firing (option)	No associated PDD	Equip the shooter with an alive PDD
	RPG-7 OK, no simulation because the PDD has a killed/wounded or tampering status	Reset PDD with CGUN

<b>Symptom</b>	<b>Cause</b>	<b>Corrective action</b>
Firing OK but NO hit on the target	RPG-7 is not correctly aligned	Carry out the alignment procedure
	The target is too far away	Out of range for RPG-7
	Dirty Laser aperture	Clean the Laser aperture
Increasing triple tone	Error	Replace the simulator

## **5.2 Clean the equipment**

1. Clean with water and a soft brush.
2. Wipe with dry cloth.

# 6 Regulatory Statements

## 6.1 FCC Certification

The United States Federal Communication Commission (FCC) has established certain rules governing the use of electronic equipment.

## 6.2 Part15, Class B

1 This device is FCC certified, **FCC ID: R4ARPG915**

2 This device complies with Part 15 of FCC rules and operation and is subject to the following two conditions:

2.1 This device may not cause harmful interference, and

2.2 This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules.

## 6.3 IC Certification

This device is IC certified, **IC: 4660D-RPG915**

IC RSS-GEN, Sec 7.1.3 Warning Statement- (Required for license-exempt devices)

### *ENGLISH:*

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

*FRENCH:*

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**IC RSS-GEN, Sec 7.1.2 Warning Statement- (Required for Transmitters)**

*ENGLISH:*

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

*FRENCH:*

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

## 6.3 User Information



Any changes or modifications not expressly approved by the party responsible for compliance, namely Saab Defense and Security USA LLC, could void the user's authority to operate the equipment.

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