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1. General information

To ensure a proper use, please read the user manual carefully before using the SpyraTwo. Please note that a minimum age of 14 years is required to use the SpyraTwo. Keep the user manual in a safe place so that you can read the important information it contains later. The operating instructions are based on the standards and rules applicable in the European Union. Please also observe country-specific guidelines and laws when using the product outside the European Union.

1.1 Intended use

The SpyraTwo is an electric water gun with an automatic firing function. It is only intended for leisure purposes, such as games. The use of the SpyraTwo requires a minimum age of 14 years. Do not use the SpyraTwo in any way other than that specified for its intended use.

1.2 Misuse

Failure to observe the contents of the user manual may result in fire, electric shock or other injury as well as damage to the SpyraTwo and other property.

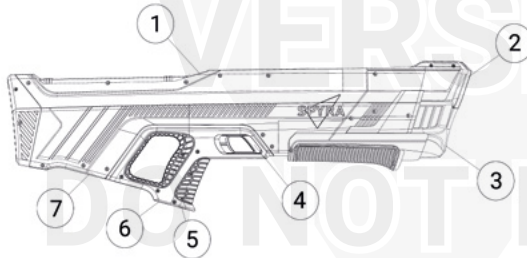
1.3 Structure of safety warning notices



WARNING LEVEL!
Nature and source of the danger
 Consequences of non-observance
 → Measures to avoid any danger

2. Product description

2.1 Overview



- 1 - Display
- 2 - Muzzle
- 3 - Water inlet
- 4 - Trigger
- 5 - On/Off switch
- 6 - USB-C charging port
- 7 - Serial number

2.2 Scope of delivery

- SpyraTwo
- USB-C to USB cable
- User manual
- Safety sheet
- Welcome card

2.3 Technical data

Information	Value	Unit
Product		
Product category	Water gun	-/-
Product name	SpyraTwo	-/-
Series	MK1	-/-
Serial number	S2-1...	-/-
Sound pressure level L _{pA}	<70	db (A)
Insecurity K _{pA}	1,5	dB
Hand-arm vibration value	<2,5	m/s ²
Weight without water filling	4,96	lbs
Weight with maximum water filling	6,61	lbs
Dimensions (W x H x D)	24,4 x 7,9 x 2,9	inch x inch x inch
Battery		
Battery	Lithium-ion battery	-/-
Capacity	2000	mAh
Voltage	14,4	V
Water tank		
Volume	25,36 / 750	fl oz / ml
Number of normal shots per maximum tank load	22	Shots

3. Safety related information

Improper use of the SpyraTwo can lead to danger. Read the safety instructions carefully before using the device. Also observe the warnings regarding the steps in the operating instructions. Always keep the operating instructions within easy reach. Non-observance can lead to injuries and damage on property. If you resell or give away the SpyraTwo hand over this manual as well.

3.1 Product safety

- Fill the water tank of the SpyraTwo with clean tap water only.
- Do not use the SpyraTwo below 0°C / 32°F or above 50°C / 122 °F. The recommended operating and charging temperature is between 5°C / 41°F and 30°C / 86°F.
- Do not use or immerse the SpyraTwo fully under water.
- Protect the SpyraTwo from direct sunlight.
- Repairs, replacement of parts, opening or modifications of the SpyraTwo are not permitted.
 - ▶ Risk of injury from moving and flammable parts.

3.2 General safety instructions



DANGER!

Safety instructions of this type warn the user of injuries that can lead to death.

- Only touch the mains plug and socket with dry hands.
- Only use power plugs that comply with applicable national, international and regional safety standards, including the International Standard for the Safety of Information Technology Equipment (IEC 60950-1).
- Do not operate the device if it is damaged.
- Check the mains connection and mains plug for damage before each charging process.
- Do not shoot at animals or uninvolved individuals.
- Do not shoot at individuals under 14 years of age.
- Do not shoot at individuals with limited physical, sensory or mental abilities.
- Danger of explosion!
 - ▶ Keep away from heat sources and do not use or store at temperatures above 50°C / 122°F!
 - ▶ Do not use or store below 0°C / 32°F!
 - ▶ Do not drop the SpyraTwo!
 - ▶ Do not open the housing!
- Electromagnetic fields from the water gun can affect pacemaker, defibrillators or other medical devices. Not to be used by persons with pacemakers. Do not use near defibrillators or medical equipment.



WARNING!

Safety instructions of this kind warn the user of serious injury or major damage to property.

- Use only as intended.
- Use not permitted for children under 14 years of age.
- Keep out of reach of children under 14 years of age.
- Do not shoot at faces, eyes or other sensitive parts of the body.
- Not suitable for individuals with limited physical, sensory or mental abilities.
- Keep packaging foil away from children and animals, there is a danger of suffocation!
- Small foreign particles (e.g. sand) in the water tank can cause injuries. Fill the water tank with clean tap water only.
- Fill the water tank with clean tap water only. Other liquids may cause injury.
- Hot water can cause burns. Do not fill the water tank with hot water. The maximum temperature for the water in the water tank is 30°C / 86°F.
- Defective electronic components can cause uncontrolled shots! In case of uncontrolled shots, restart the device. If this does not solve the problem, contact customer support.



CAUTION!

Safety instructions of this type indicate dangers that can result in damage to property and injury.

- Disconnect the device from the charging cable when the battery is fully charged. Do not charge unattended.
- Do not charge if
 - ▶ the water tank is not completely empty.
 - ▶ the USB-C port is damaged or wet.
- Do not use the device at temperatures below 0°C / 32°F or above 50°C / 122°F.
- Do not drop or throw the device.
- Do not open burn or disassemble the device. Do not connect or disconnect cables by force.
- All live parts in the environment of use must be splashproof.
- The power supply unit must only be connected to an electrical connection that has been implemented by an electrician in accordance with IEC 60364.

4. Display

The display has a bar display and a battery symbol. The battery symbol shows the battery status of the SpyraTwo. The bars show the primed water shots of the SpyraTwo.



Charging procedure

Whilst charging the display shows the charging progress in percent.

Standard operation

During standard operation the display shows the water volume of the water tank in percent.

5. Setup

Read the general safety instructions carefully before using the SpyraTwo. Check before the initial setup that the delivery is complete. If the delivery is not complete or the SpyraTwo is damaged, contact the customer support immediately.

The following steps must be performed before the initial setup:

1. Charge the battery.
2. Switch on.
3. Fill the water tank for the first time.

Read the following instructions to learn how to perform each step.

5.1 Charging

The SpyraTwo battery must be fully charged before first use. The charging time takes about 6 hours.

1. Unpack the SpyraTwo.
2. Open the USB-C cover and connect the supplied USB-C cable to the USB-C charging port on the SpyraTwo.
3. Connect the other end of the USB-C cable to a certified 5V power supply.



WARNING!

Electrical shock hazard

Water on the charging port of the SpyraTwo may cause electric shock.

- Only charge the battery of the SpyraTwo in a dry environment and make sure that the SpyraTwo and the charging connector are completely dry.

- The display turns on and shows the battery level in percent. The battery symbol indicates that the battery is charging.

4. As soon as the battery is fully charged, the display shows 100%. The SpyraTwo switches off automatically after a while.

5. Disconnect the SpyraTwo from the charging cable.



- All other functions are deactivated during the charging process.
- The SpyraTwo can be turned on or off while connecting it to the port.
- Switching off the SpyraTwo while charging will interrupt the charging process.
- The initial charging process may take longer.

5.2 On/off switch

Press the on/off switch on the bottom of the handle once.

- The SpyraTwo turns on or off.



- When the SpyraTwo is not in use, it will automatically turn off after 10 minutes.

5.3 Fill water tank

1. Immerse the SpyraTwo in clean water so that the water inlet is fully immersed. The max. immersion line on the SpyraTwo shows you the recommended immersion depth.



WARNING!

Risk of injury

Foreign objects or hot water in the water tank can cause injuries.

- Fill the water tank with clean tap water only. Do not use water that is hotter than 30°C / 86°F.

2. Slide the trigger forward to activate the pump.

- The water tank is filled. This process ends automatically when the water tank is full. If the water inlet

- is not immersed properly, the process may take longer and ends automatically after 20 seconds.
- 3. To interrupt the refuelling process, push the trigger back into the normal position.



CAUTION!
Danger of damage due to air in the pump.
 → Do not operate the pump if the water inlet is not in the water.

5.4 Empty the water tank / Empty Shot

1. Continue shooting water until the display shows 00%.
2. Pull the trigger and hold it for 2 seconds.
3. The tank is automatically emptied completely within 5 seconds. The display shows the process.
 → The display shows two horizontal lines. The tank is empty.



- To check if the water tank is completely empty, switch the SpyraTwo off and on again. Then repeat steps 1 and 2.
- You can do the Empty Shot twice within two minutes.

6. Operation

6.1 Normal water shot



WARNING!
Risk of injury
 Eyes, faces and sensitive body parts can be injured. People and animals can be injured by unexpected shots.
 → Do not shoot at eyes, faces and sensitive body parts. Do not shoot at animals and uninvolved individuals.

Pull the trigger and let go.
 → A water shot is triggered.



- The SpyraTwo has a fire rate of one water shot per 1.1 seconds.
- The display shows you via the bar display how many water shots are currently ready to shoot.
- The SpyraTwo primes automatically after each water shot and is ready to fire again after 1.1 seconds.
- Exception: If you wait longer than 1.1 seconds, the SpyraTwo can prime more than one water shot. Depending on how long you wait, the SpyraTwo will prime 1, 2 or 3 water shots, allowing you to vary your firing rate. The SpyraTwo can prime a maximum of 3 water shots, which you can then fire quickly.

6.2 Power Shot

1. Perform a normal water shot and do not release the trigger.
 → A normal water shot is triggered.
2. Hold the trigger down.
 → The SpyraTwo emits an acoustic and haptic signal.
3. When the signal stops, the Power Shot is fully charged. This process takes about 3 seconds.



The display already shows the volume of the water tank after the power shot.

4. Release the trigger to perform a Power Shot.
 → A strong water shot is triggered.



- If you release the trigger before the acoustic and haptic signal stops, you interrupt the Power Shot. No water is released and the display corrects the volume display.
- You cannot interrupt the Power Shot once it is already charged.
- You cannot perform a Power Shot if the volume of the water in the water tank is less than 25%.

7. Troubleshooting

7.1 Software Reset

Perform a reset if the SpyraTwo has a problem or stops responding.

1. To do this, press and hold the on/off switch for 6 seconds.
 → The SpyraTwo will then perform the software reset.
2. Press the trigger.
 → The SpyraTwo calibrates itself automatically. Water could come out of the muzzle.



WARNING!
Risk of injury
 → Do not aim at eyes, faces and sensitive body parts during software reset.

3. After the software reset, the SpyraTwo switches on automatically. If the problem persists, check points 7.2 and 7.3.

7.2 Error code

If the SpyraTwo still has an error, an error code is shown on the display. Enter this code when contacting customer support.

Error Code	Cause	Solution
E0	Incorrect power supply unit	Use another certified 5V power supply. Preferably with 5V/2A.
E1 - E9	Technical problem	Contact customer support.

7.3 Troubleshooting

If no error code is displayed, the following table may help you identify the error:

Error description	Possible cause	Remedy
Display does not light up or only lights up briefly after switching on	Battery is empty	Charge the battery
Trigger or pump does not respond although Display is lit	Battery is charging	End charging process
	Battery is empty	Charge the battery
	Water tank is empty	Fill water tank
Pump does not respond although display shows 90-100 %	Water tank is full	-/-
SpyraTwo switches itself off automatically	SpyraTwo is overheated	Let it cool down and switch on again after 15 minutes
	Battery is too weak for pumping	Charge the battery
SpyraTwo repeatedly turns itself off	SpyraTwo is damaged	Contact customer support
Battery does not charge	USB-C charging port is wet or dirty	Dry and clean the charging connection
	Cable or SpyraTwo is damaged	Contact customer support
Battery is charging, but has been showing 0% for a long period of time	Battery is deeply discharged	Keep on charging the battery
Problem not listed	-/-	Contact customer support

8. Decommissioning

8.1 Cleaning



CAUTION!
Risk of damage

→ Only use clean tap water for cleaning.

- **Rinse the muzzle:** Rinse the muzzle by firing a shot of water at a non-sensitive, inanimate surface.
- **Clean water inlet:** Soften dirt by immersing the water inlet in clean tap water. Then wipe the part of the water inlet that is accessible from the outside with a soft, lint-free cloth.
- **Clean water tank:** Fill the water tank with clean tap water. Empty the water tank by firing. Repeat this procedure several times if necessary.
- **Clean surface:** Wipe the surface of the SpyraTwo with a soft, lint-free cloth. Only use clean tap water for this purpose!

8.2 Storage



CAUTION!
Risk of damage

→ Do not store with a full water tank.

→ Do not store below 5°C / 41°F or above 30°C / 86°F.

- The SpyraTwo must be completely dry and the water tank emptied before storing.
- For an optimal storage environment, store the SpyraTwo protected from direct sunlight and at a room temperature between 15°C / 59°F and 20°C / 68°F.
- Charge the battery to between 50% and 80% of its capacity, if the SpyraTwo is stored for more than 2 weeks. This extends the life of the battery.

9. Disposal

Information on disposal



This symbol indicates that the SpyraTwo should not be treated as household waste. If you wish to dispose of your used SpyraTwo products, contact your local authorities for advice on disposal and recycling options. The applicable legal regulations for battery disposal must be respected. The contained battery must be disposed of safely and completely discharged.

10. Conformity



EC Declaration of Conformity

Translated from the Original Declaration of Conformity | Only for European countries

Spyra GmbH declares that the device described under "Technical Data" complies with all relevant regulations of the directives 2006/42/EC, 2011/65/EU, 2014/30/EU, 2012/19/EU and the following harmonized normative documents: EN ISO 12100:2010, DIN ISO/TR 14121-2, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EN 62133-2.

Important note: In the event of improper use, cleaning, storage or unauthorized modifications to the delivered product, this declaration loses its legal validity.

München, 2020-12-03



Sebastian Walter, CEO
(Authorized to compile the technical documentation)

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**Conformity Information**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-3 (B)/NMB-3(B)

Australia / New Zealand:

This device complies with RMC-EMC AS/NZS CISPR 14.1.

MANUAL
DIGITAL
VERSION
DO NOT PRINT