ARMYTEK Wizard C2 Pro Max Multi FlashLight User Manual

**WIZARD C2
PRO MAX
MULTI FLASHLIGHT**

USER MANUAL
Thank you for choosing the products of Armytek. Please read this manual carefully before using the flashlight.

Contents

Specifications

Headlamp: simple one-hand operation, reliable headcount. Solid-body without long wires, weak rubber connectors, and unnecessary boxes. The flashlight is easily installed, removed and 180° rotatable in the mount. Quick-release rubber ring provides additional fixation
Every Day Carry light: compact design, convenient side button, special matt anti-abrasive finish without rough knurling, strong built-in tail magnet, and robust removable steel clip
Bicycle light: body made from durable and lightweight aircraft-grade aluminum, improved shock resistance, new springs for better battery and driver protection. Constant light without a flickering, quick-release mount in the set

- New generation electronics provide an impressive light output of 4000 lumens. Constant brightness even at low ambient temperatures and not fully charged battery
- Multicolor temperature, battery level, and state indication with the ability to turn it off
- The convenient wide beam of the fully upgraded optical system, TIR-lense is protected from scratches by tempered glass with anti-reflective coating
- Innovative technology allows using any 21700 or 18650 Li-Ion batteries with 15A discharge current and provides full protection against short circuits even in case of contact between the magnetic connectors and metal objects
- Active real-time temperature control to prevent overheating above +58 °C
- Total protection from water, dirt, and dust in accordance with IP68 standard — flashlight continues to work even at 10 meters depth. Withstands fallings from up to 10 meters
- Robust and water-resistant magnetic connector

Model		Wizard C2 Pro Max (White)
LED/Optics		Cree XHP70.2/TIR
Brightness stabilization type		FULL (constant light)
Light output		4000 lm
Peak beam intensity		3300 cd
Hotspot: Spill		110°:150°
Beam distance		114 m
Modes, light output, and runtimes (measured with 21700 Li-Ion 5000 mAh battery until the light output drops to 10% of the initial value)	Turbo2	4000 lm/3 h 15 min (900 lm after 50 sec)
	Turbo1	1300 lm/3 h 20 min (900 lm after 12 min)
	Main3	450 lm/7 h
	Main2	150 lm/21 h
	Main1	45 lm/64 h
	Firefly2	4.6 lm/2 weeks
	Firefly1	0.35 lm/2 months
	Strobe3	4000 lm/10 Hz/6 h 50 min (900 lm after 2 min)
	Strobe2	4000 lm/1 Hz/14 h (900 lm after 10 min)
	Strobe1	150 lm/1 Hz/90 h
Power source		1×21700 Li-Ion, 1×18650 Li-Ion
Length/Body diameter/Head diameter		121.5 mm/23.6 mm/34.4 mm
Weight without/with battery		79 g/149 g
Submersion and Impact resistance		IP68, 10 m for 2 h. Height up to 10 m

X Light output for flashlights with Warm light is about 7% less, beam distance is about 3% less. All the above specifications are test results based on ANSI/NEMA FL1-2009 Standard. The tests are performed using the battery included in the set. The data may vary due to environment, heat dissipation, and other factors.
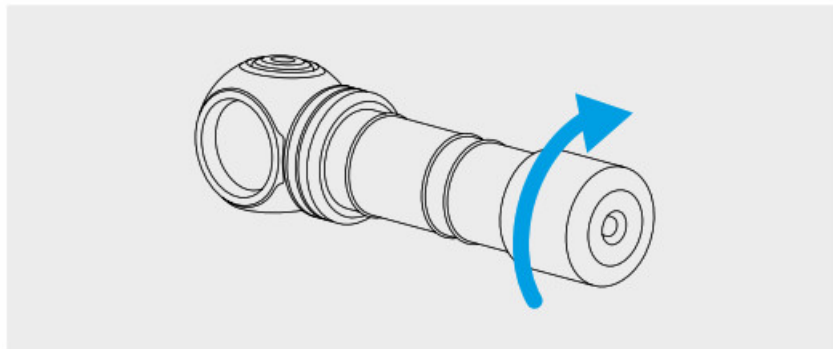
Set description

Flashlight, 21700 Li-Ion 5000 mAh battery, 18650 battery adapter, magnetic USB charger, clip, headcount, bicycle mount ABM-01, 2 spare rings, user manual.
The producer reserves the right to change the package at his own discretion without modifying this manual. Specifications are subject to change without notice.
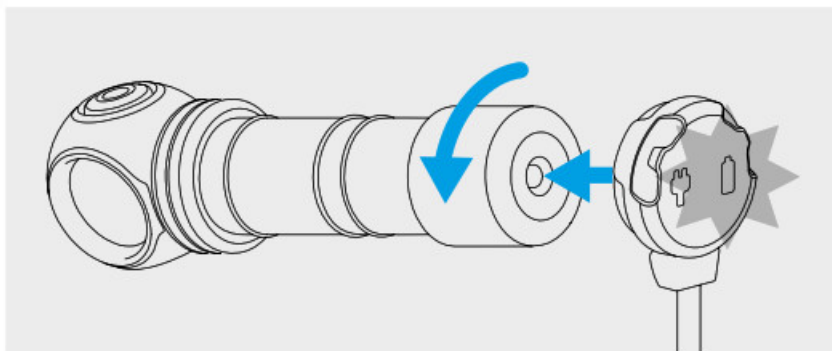
Initial Service

TO SET/REPLACE BATTERY

1. Unscrew the tail cap.
2. Place the battery with the positive contact (+) facing the head of the flashlight.
3. Adjust the tail cap and tighten it as far as it can go. The flashlight is ready for operation.

HOW TO CONNECT THE MAGNETIC CHARGER

Unscrew the tail cap for 1/4 of a circle and adjust the magnetic charger to the tail cap.
CHARGER COLOR INDICATION
Charger not plugged in:

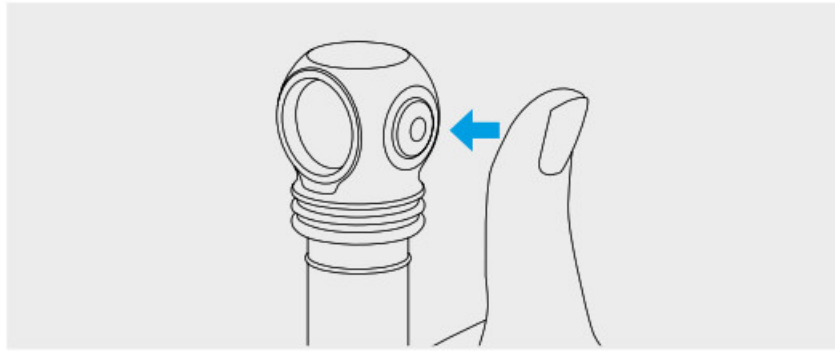- Green — the device is in waiting mode.

  Charger plugged in:
- Green blinking — evaluation of battery voltage.
- Red blinking — unscrew the tail cap for 1/4 for charging.
- Orange blinking — USB power source voltage is too low for the correct continuation of charging or bad contact between charger and battery. Clean the tailcap and the threads of the flashlight parts, use a different power source.
- Red — charging with rated charging current is going on.
- Orange — USB power source voltage is too low, charging current may be reduced.
- Green — charging is finished.

Operation

Before use: Tighten the tail cap as far as it can go.
GENERAL TYPE

Modes: Firefly1, Firefly2, Main modes, Turbo mode (last used in advanced, Turbo2 by default).

In OFF state

1. **click:** To turn on the last used mode. Press and hold: To start cycling through Firefly modes. Release to select. Keeping the button pressed will start cycling through the Main modes.

In ON state

1. click: To turn off the flashlight. Press and hold: To start cycling through Main modes from any mode. In Firefly1 cycling through Main modes starts after cycling through Firefly modes. Release to select.
2. **clicks:** To turn on Turbo mode from any mode. The second double click brings back the last used mode.

ADVANCED TYPE

To switch between types of operation unscrew the tailcap to 1/4 while the flashlight is off, press the button and tighten the tail cap while keeping the button pressed.
Sections of modes:
[1] – Firefly modes, [2] – Main modes, [3] – Turbo modes, [4] – Strobe modes
In OFF state:
1 click: To turn on the last used mode. Press and hold: To turn on Firefly1 mode [Section 1]. Keeping the button pressed will start cycling through modes: Firefly1 – Firefly2 – Main1 – Main2 – Main3 – Turbo1.

In ON state:

1. click: To turn off the flashlight. Press and hold: To start cycling through the modes of the relevant Section.
   The same in OFF & ON states:
2. clicks: To turn on Main mode [Section 2]. Another double click will switch between chosen modes in [Section 1] and [Section 2].
3. clicks: To turn on Turbo mode [Section 3].
4. clicks: To turn on Strobe mode [Section 4].
   Auto memorizing. After switching off the last used mode is memorized for quick access at the next switching on. Safe high brightness modes. Turbo modes give maximum brightness until the temperature of the flashlight and discharge current of the battery don't exceed critical values.
   Digital Light Stabilization & Safe Soft-Start System allows increasing runtime, get a longer lifetime of rechargeable battery and protect it from over-discharge or overheating.
   Active temperature control. When the temperature of the flashlight becomes close to +58 °C, brightness

decreases to a safe value, allowing the flashlight to avoid overheating for a long period of time. In conditions of good air-cooling, the flashlight delivers light without stepping down.

Warning indication shows the battery level and the temperature inside the flashlight.

Low battery level. When the battery level is approximately <25%, the color LED will show the warning level by flashing orange once in 2 seconds. With further voltage reduction, brightness will start to decrease in steps for the safety of the battery and user. If the brightness of the model (except Firefly modes and Main1) is approximately <25% from the nominal value, the main LED will flash 2 times. A critical battery level of approximately <10% is indicated by flashing red once a second.

High temperature. When the temperature increases to the warning level, the color LED flashes orange 3 times once in 2 seconds. At a critical level, it flashes red 3 times once in 1 second. Brightness starts to reduce to a safe level.

Lock-out function. Unscrew the tail cap to 1/4 for protection from accidental switching on. State Indication will be turned off.

Multicolor State Indication. Short flashes every 4 seconds show the battery level even in the OFF state (until the battery level becomes lower than the critical one). The indication also helps to find the flashlight in the dark.

Switching Multicolor State Indication ON/OFF. Multicolor State Indication has 3 operating modes:

1. The indication is switched off in Firefly modes and in OFF state (by default).
2. The indication is switched on in any state.
3. The indication is switched off in any state.

    To change the operating mode, unscrew the tailcap to 1/4 while the flashlight is off, press the button and keep the button pressed tighten and unscrew the tailcap again. Indication operating modes will switch cyclically. The settings will be memorized even when the battery is changed. Ultra-low current consumption allows color indication to work for a maximum period of time.
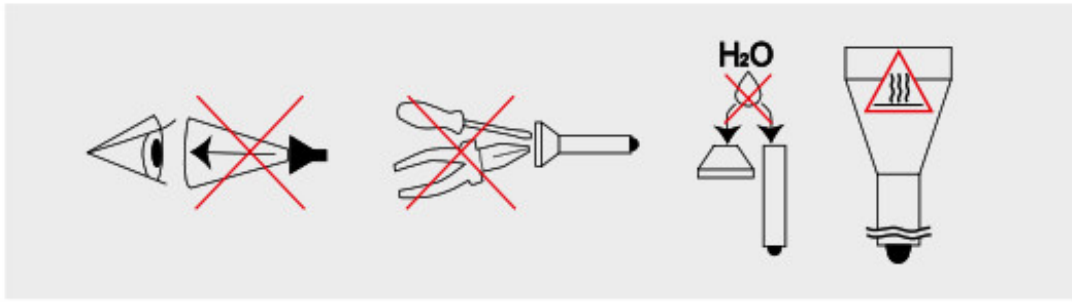
⚠️ Warnings

For effective operation of the flashlight, we recommend branded 21700 Li-Ion batteries. Also, 18650 Li-Ion batteries no more than 70 mm long with up to 18.7 mm diameter and permissible discharge current of at least 15A can be used together with a battery adapter.

The flashlight can get hot in Turbo modes, Strobe2 and Strobe3 quickly and discharge the battery with a high current. Don't leave it without your attention as a very bright light might heat objects and cause a fire. It is forbidden to charge the battery inside the flashlight when the ambient temperature is below 0 °C.

1. Always follow the instructions from this manual and recommendations on battery usage.
2. Apply only the recommended power sources.
3. Do not reverse battery polarity.
4. Do not modify or recast the flashlight and its components as it will deprive you of the warranty.
5. Do not allow water or any other liquid to leak into the flashlight.
6. Do not aim a switched-on flashlight at people's or animals' eyes — it can cause temporary blindness.
7. Do not allow children to use the flashlight without your assistance.

    The producer will not be liable for any harm done to the user if it

was caused by improper use of the product.

Care and Storage

It is recommended to clean the threads and O-rings off dirt and old grease once or twice per year. Remember that reliable protection from water and dust cannot be provided by worn-out sealing. The fouling as well as lack of lubricant cause fast wear-out of threads and sealing rings.
To clean the threads do the following:

1. Unscrew the tail cap and remove the sealing ring carefully with a toothpick (do not use sharp metal things as they can damage the ring).
2. Wipe the sealing ring thoroughly with a soft cloth (or tissue). Do not use solvents. If the sealing ring is worn out or damaged replace it with a new one.
3. Clean the metal threads with a brush using ethanol. Be careful not to allow the applied liquid to get inside the flashlight or tailcap as it can cause failures in the functionality of the flashlight.

   After cleaning lubricate the thread and the sealing ring with polyol-photo olefin-based silica grease, e.g. Nyogel 760G. The application of other types of grease is unacceptable. In case of active operation and exploitation in dusty environments, it is recommended to perform cleaning and lubricating of the parts as often as required.

   WE DO NOT RECOMMEND leaving power sources inside the flashlight for a long storage period, as batteries (especially non-rechargeable) can leak for various reasons and damage the inner parts of the flashlight. If you want to keep your flashlight in a stand-by state with batteries in, previously install new and high-quality batteries, store the flashlight in acceptable for batteries operational temperature, and revise the batteries' state at least once a month. If you have noticed any signs of defects, withdraw the batteries from the flashlight and dispose of them.

Warranty and Service

Armytek provides free warranty repairs for 10 years (excluding batteries, chargers, switches, and connectors, which have a 2-year warranty) from the date of purchase if there is a
document confirming the purchase. The warranty does not extend to damage during:

1. Improper usage.
2. Attempts to modify or repair the flashlight by nonqualified specialists.
3. Application in chlorinated, contaminated liquids or seawater.
4. Immersion into liquids in case of broken leakproof ness.
5. Exposure to high temperatures and chemicals, including the liquids from defective batteries.
6. Usage of low-quality batteries.

   Armytek

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Documents / Resources

	ARMYTEK Wizard C2 Pro Max Multi FlashLight [pdf] User Manual Wizard C2 Pro, Max Multi FlashLight, Wizard C2 Pro Max Multi FlashLight, FlashLight