

ZAO "OBERON-ALPHA"

CIVIL SELF-DEFENSE WEAPON

**STUN GUN
AVATAR**

Operation manual

AVATAR is a powerful stun gun, safe for its owner and effective in defense against offenders and animals.

Stun gun AVATAR is safe for life and health of the affected, doesn't cause lethal result or temporary changes in the organism of the affected..

ATTENTION! Use of the device without a cap on the charger port is strictly prohibited. Any changes of characteristics and settings of the weapon is forbidden. Stun gun AVATAR should not be used with a damaged control button. The device should be opened, repaired and sealed only by the specialists of the manufacturer company.

ATTENTION! Don't place your hands close to the high-voltage zone of the electroshock weapon and electrodes while holding it.

TECHNICAL CHARACTERISTICS

The maximal voltage of blank discharge in the impulse, V	90000
Power of influence, not less than, W	3
Operating in climate conditions: works in the temperature range from -15C to +50 C and relative humidity up to 98% with the temperature +25 C	
Weight, kg	0,185
Dimensions (without the length of electrodes), mm	140 x51x 29
Distance between the working electrodes, mm	40
Period of one-time action, sec	3
A pause between one-time actions, sec	10
Testing mode: cyclic (Discharge-Pause). Discharge – not more that 1 sec. Pause – not less that 5 sec.	
Maximum allowed power reduction of the effect, not more than	25%
Work cycles with a completely charged battery, not less than	80
Check cycles (1s.) with a completely charged battery, not less than	240
Supply element: built-in LiPOL battery	7.4/600
Cycles of the battery charges (if used once per three months), not less than	500
Durability, years	5

Battery options can be adjusted by the manufacturer.

USE

ATTENTION! Use of the stun gun should be justified by the impossibility of defense by other means.

Continuous use of the stun gun for more than 3 seconds is prohibited.

Strictly prohibited to use the stun gun against minors under 16 years old, pregnant women and people with mental illnesses.

Stun gun AVATAR is a civilian self-defense weapon, designed for individual defense against offenders` and animals` attacks by affecting an attacker with non-lethal discharges of electric current of high voltage.

PRINCIPLE OF OPERATION

Stun gun AVATAR generates impulses of high voltage electric current that block processes in nervous system of the attacker or the animal and cause muscles to spasm.

Use of the stun gun doesn't endanger person's life or health, which was confirmed by biomedical examination of Ministry of Health of Russian Federation.

The strong stopping and disorienting effect is achieved depending on the area of contact, time of contact and the physical and emotional state of the attacker. It is important to choose the affected area correctly. It should be as close to the central nervous system as possible – in the torso. The most vulnerable points are neck, groin, solar plexus, heart, the upper part of the chest and the upper part of the thigh.

It is important to know that the effect of the discharge of a stun gun increases if the working electrodes and the affected area are in close contact. Small size of AVATAR allows to use it unexpectedly for the attacker, improving the effect.

CONSTRUCTION

Stun gun AVATAR is designed in the impact-resistant case and has circuit breaker to disallow the unintentional activation; control electrodes for testing and the cone-shaped working electrodes. It is possible to carry it on a wrist strap.

AVATAR has a built-in lithium-polymer battery. Battery can be replaced only in the service center. The port for the charging device is located on the left side and covered with a special cap.

CHECKING BEFORE USE

To check the operation of the stun gun:

a) switch the safety fuse in the OFF position. The button will light up green.

The system of charge level indication:

* GREEN – the battery is charged, the stun gun can be used.

* RED – the battery should be charged.

b) bring the stun gun next to an isolated metal object at the 5-7 mm distance (for example, scissors) and press the button (not longer than 1 sec). Electric discharge will appear between the working electrodes and the object.

c) switch the safety fuse in the ON position.

It is allowed to check the operation without using a metal object.

LiPOL BATTERY

Stun gun AVATAR uses LiPOL battery.

If the stun gun isn't being used, battery loses 3-10% of its charge per month. It is recommended to charge the battery once per four months.

Attention! The stun gun shouldn't be stored with the fuse off (indication light is on).

Attention! The stun gun uses much electric current when it is operation (producing electrical discharge) therefore the operation should be checked strictly as written in "Checking before use" section.

It is allowed to produce the discharge for a long time only in critical situations.

Charging the battery:

Use only automatic battery charger (BC) model PHANTOM-A1.

Instructions:

1. Switch the safety fuse ON;
2. Remove the safety cap of the port;
3. Connect BC to the port;
4. Connect BC to the socket;
5. After charging the battery, remove AC from the stun gun and put the cap over the port.

Automatic battery charger PHANTOM-A1

TECHNICAL CHARACTERISTICS

Electrical circuit: ~220 V + 10%, 50 Hz;

Discharge current, max: 1000 mA;

Time of charging a fully discharged battery: 40-60 min.

If battery is partially charged, time of charging can be reduced.

Battery charger (BC) turns off automatically when the battery is fully charged.

*red light – charging in process;

*green light – charging is finished.

ORDER OF OPERATION

a) Switch the safety fuse in the OFF position;

b) Place the working electrodes as close to the affected area as possible, press the button and hold the working electrodes in close contact with the area for up to 3 sec.

Avoid sliding the working electrodes across the surface of the area.

Attention! Efficiency of the discharge is directly connected with the distance between the working electrodes and the affected area. Maximal efficiency can be achieved if the electrodes touch the object or are quite placed close (2-3 mm) to the affected area. This parameter is crucial for electroshock weapon application and it shouldn't be neglected.

OPERATION IN THE RAIN

If the offender is wearing wet clothes, the discharge can "spread" over the surface of the clothes.

During operation the working electrodes should be placed as close as possible to the defeat area –to the attacker's body. The slightly sharpened working electrodes will help to do it.

First place the working electrodes to the object, then press the power button.

Keep the stun gun in the dry place: in the pocket or under the umbrella to avoid exposing it to the rain.

OPERATION IN WINTER

In the cold weather a "frozen" battery can't produce high current that lets the device work effectively. That's why in the temperatures below 0 degrees Celsius AVATAR should be kept in the warm place – in a pocket of the street-clothes or the hand.

Frozen LiPOL can be warmed up quickly by activating the device several times: 1 sec. - discharge/5 sec. – pause.

DISCHARGE THROUGH THE CLOTHES AND LEATHER

If the attacker is wearing leather clothes, electrical impulses of the electroshock weapon AVATAR will get through it on the account of their energy and length.

If the clothes of the attacker are dielectric (for example, a thick plastic raincoat) it is necessary to pierce or cut them with the working electrodes. Through these cuts the discharge will access the attacker's body.

If the attacker is wearing thick street-clothes, for example, a coat, press the electrodes to the object, enough to get the impulse to the object.

Electric discharge gets though the usual "light" clothes (jackets, shirts, pullovers) without problems.

During the operation avoid sliding the electrodes across the surface of the clothes, especially thick or dielectric clothes.

PRECAUTIONARY MEASURES

- Do not use the stun gun with the discharged or barely charged battery (RED indication light when the fuse is off);
- Do not place your hands close to the high-voltage zone of the electroshock weapon and electrodes;
- Stun gun shouldn't be turned on for blank discharge for more than 1 sec. (discharge on the separated metal object or the control electrodes);
- Do not use the stun gun while standing in the water, barefoot on the concrete floor, grass, etc.;
- Stun gun shouldn't be applied against children, pregnant women, elderly people, law enforcement officers, or for other purposes than self-defense;
- Stun gun should be kept out of children's reach;
- Stun gun shouldn't be left with the fuse off for a long time (over 2 days);
- Stun gun can affect some electric devices so it isn't recommended to turn it on close to computers, medical equipment, etc.;
- Do not turn the device on in the areas with a potentially explosive atmosphere which is usually marked with the special signs – gas stations, etc.

TRANSPORTATION AND STORAGE

Packed stun guns can be transported by all means of transport if they are protected from the direct effect of rain and mechanical damage in the temperature from -40 to +50°C.

In this case the stun gun should be used after keeping the device in package for not less than 6 hours in the normal climate conditions.

Electroshock weapon should be stored in the temperatures from 10 to 35°C and relative humidity below 80% without acid, alkali and other aggressive admixtures in the air.

Time of storage in the shops – not more than 6 months.