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### 1. Safe usage of product

Thank you for using Flash Spike Strip. Our product is the safest and the first design of electronic remote control & automatic mechanical ejection tactical equipment. It brings success and safety to Operator in stop chasing tasks when facing the high speed wild running car near the road. For user's benefit, please also carefully read over below safety instructions before using the product to safely use our product and guarantee the success of your task.

Please don't stand in front of launch hatch door of suitcase when using the

product.

Operator's first maintenance task need to be under supervisor of experienced engineer.

During maintenance task, please switch off the power before you refill strips into suitcase.

During maintenance task, please avoid touching pole hook lock or turn pole hook handle

after you locked it done and before you completely refill it into suitcase.

During maintenance task, please pay attention to sharp spike and strip self-expansion when

folding it. Please wear gloves if required.

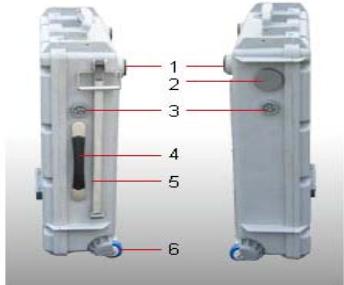
Product has complex circuit inside suitcase, please avoid throwing or swing it in the task.

Product function problem can only be repaired by qualified engineer.

## 2. Product introduction



- 1 --- Mini remote control box
- 2 --- Hand-held STOP remote control
- 3 --- Marker
- 4 --- Power switch
- 5 --- Emergency switch
- 6 --- Suitcase handle
- 7 --- Power light



- 1 --- Suitcase pad
- 2 --- Cell box
- 3 --- Status light
- 4 --- Suitcase handle
- 5 --- Pole hook
- 6 --- Suitcase wheel



- 1 --- Launch hatch door



## 3. Deployment & Launch

### Deployment

i. Put the suitcase aside the road with control panel facing outside of road. Adjust launching hatch door of suitcase (with mark 'FLASH SPIKE STRIP' or 'CAR INTERCEPTOR') to face the road inside vertically. See below diagram please.

ii. Switch on the power clockwise in the left side of control panel. The system light in the center of control panel should start blinking in every 5 seconds. It indicates system has been started. See below diagram please.



iii. Please pick up either of Mini remote control or Hand-held STOP remote control from top side of suitcase and walk to safe/tactical location to get ready for tasks. Please test status of wireless connection with system by pressing Button A. The status light on both sides of suitcase should start blinking then please press Button B to stop wireless connection testing. If the status light is not on after pressing Button A, please extend antenna of remote control or walk near to the system until it can receive signal properly.

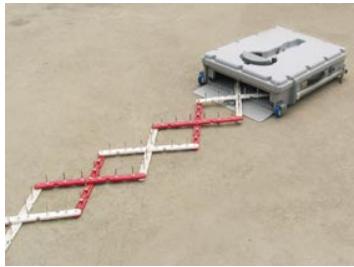


After go through above steps, now the system has been deployed and is ready for launch. It can be on standby at least 720 hours until the system has no juice.



#### Launch

- If the chasing or suspect is coming soon, please open the safety of system by pressing button C of remote control.
- Once operator see car chasing or suspect, press button D right away and the system will launch strip spike and block off the entire road within 2 seconds.



*Note: At Launch steps above, in some special cases such like missing remote control, battery has no juice etc. , operator can also manually switch on 'emergency switch' clockwise in the right side of panel of suitcase to launch strip spike to block off the road immediately after power is on. We'd highly recommend operator never let this happen because anyone who gets close to the road is very dangerous in stopping chasing tasks.*

Flash Spike Strip

#### 4. Reloading Strips

- i. Switch off the power of system by turning power switch anticlockwise on the left side of the control panel. The system light in the center of control panel should be off now. PLEASE ALWAYS REMEMBER TO SWITCH OFF THE POWER BEFORE YOU RELOADING STRIPS INTO THE SUITCASE. See diagram below please:

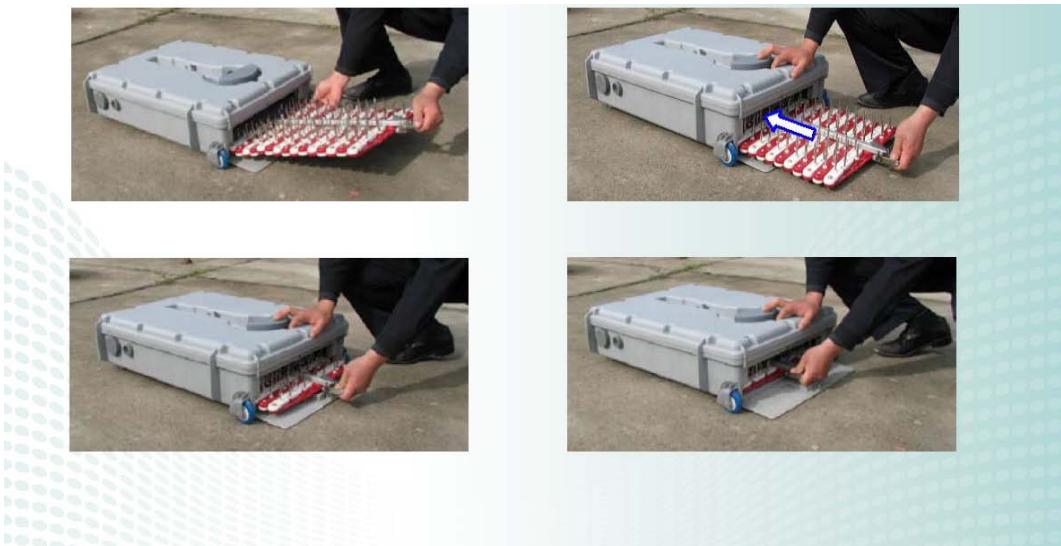


- ii. The door of launch hatch of suitcase should be open now after just finished task. If it's not or operator accidentally closed it, operator can also switch on 'emergency switch' clockwise on the right panel of suitcase to open the door of launch hatch. See diagram below please:

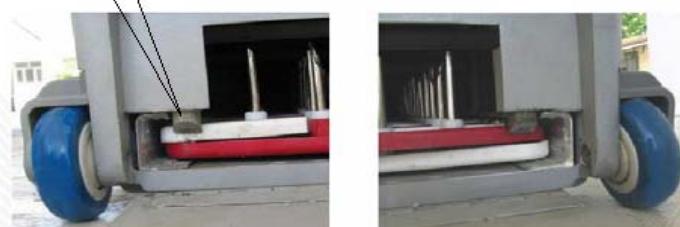
Flash Spike Strip



- iii. Slowly plug in strip spike into suitcase by pushing pole hook until spring bolts automatically locks the strips. See diagram below please:



**Memo:** Make sure you completely push strips into suitcase until the spring bolts on both sides can lock the strips automatically before next steps.



**Note:** Completely push in status of strips and suitcase – 2 spring bolts inside both sides of suitcase should be able to lock the strips automatically.



iv. Pull out pole hook by below steps  
 a) Push pole hook lock ahead until its end (about 5 CM)  
 b) Turn pole hook handle from horizontal to vertical 90 degree  
 c) Then operator can pull pole hook from strip away  
 d) Close the launch hatch door of suitcase  
 e) put pole hook back



- d) Close the launch hatch door of suitcase
- e) put pole hook back
- f) Finish reloading step and system is ready for next task



## 5. Maintain Used Strips

*(Note: It will take about 30 minutes to finish maintenance of used strips after each task. If customer is very concerned about maintenance time in task, say SWAT operator, we can directly provide customer brand new set strips which can be reused right away without maintenance and product will be ready again for next task in 10 seconds. Please contact distributor for details of brand new set strips.)*

- i. Replace damaged strips/spikes by screwdriver.



- ii. Two people walk towards by one foot hold edge of strips to fold.



iii. Stay put to hold strips until iv. Make pole hook chain the pole hook lock it done. backbone of strips through

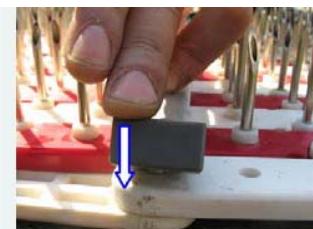
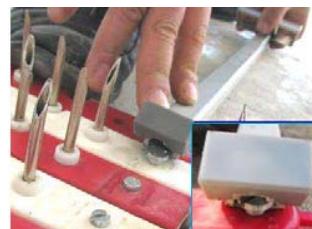


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v. run hook's socket through screw cap one by one until last

vi. Press down pole hook cap to fasten one end



vii. While one hand keep pressing down the pole hook cap, another hand turn pole hook handle on the other side from vertical 90 degree to 180 degree (a complete horizontal line). Then pole hook lock will automatically lock the strips(you will hear 'click' when it automatically locks strips).



## 6. Maintenance Tips

The system has 4 D cells in cell box and it can be on standby for at least 720 hours for ready to launch. It has 5 power lights to indicate the power of cell. The light will become off one by one as the mark of decreasing power. Please change the 4 D cells at the appropriate time. The system has two remote controls. One is built as mini remote control shape and another is built as hand-held STOP shape so it will meet both requirements of

normal highway patrol asking pull over and SWAT hidden interceptor tasks. There is a built-in 23A-12V cell in mini remote control. Please replace it at appropriate time. The hand-held STOP remote control has a built-in charge battery and flashlight function. Please charge it at appropriate time. Suitcase top can prevent rain water but please avoid water flood into suitcase because the product has complex circuit inside the suitcase. Operator should test this system at least once each year to make sure it's in a good for use status. If operator is not going to use the system for a long period of time, please take the cell out of cell box on the side of suitcase. When first using this system, operator needs to do some practice in case they make wrong operation in real task. The delivery package of product come with 4 strips and 40 spikes free spare parts. It can be used for at least 5 tasks. After using up spare parts, customer needs to buy spare parts from distributor. Please contact distributor for support of spare parts pack.

## 7. FAQ



Q	Root Cause	Solution
After switching on the power, the power light is still off.	1. Operator didn't turn power switch enough to appropriate position.	1. Turn power switch to right position.
	2. There is no cell in cell box or the cell is in wrong direction of + and -.	2. Load the cells into cell box, please pay attention to the direction of + and - of cell.
	3. The cell has no juice.	3. Change the cell.
	4. Bad contact between cells.	4. Reload the cells into cell box and check each contact point.
After switching on the power, the power light is on but the system is not responding to remote control's signal.	1. Press the button not hard enough. The light on remote control is not on.	1. Press the button hard until you see the light on remote control is on.
	2. The cell in remote control has no juice.	2. change a new 23A-12V cell.
	3. The remote control and the system is too far away.	3. Keep the distance between remote control and the system in the scope of 100m.

## 1. Please exactly follow the

1. Operator didn't keep the strip guide and picture to reload spike horizontally when aiming it the strip spike into hatch of with door of hatch system.
2. After vehicle runs over Not smoothly when operator reloading strip spike into the hatch. The strip spike will break strip spike, operator need to after ejected.
2. After stopping vehicle tasks, change damaged part if there operator didn't replace the is any before reloading it into damaged part with new one. hatch of system. The standard configuration of strip is total 4 pieces.

## 8. Performance index of flash spike strip

Width of interception: 8m Max remote control working scope: 100m Length of steel spike: 4.5cm Dimension: 620mm x 450mm x 200mm Response/Deployment time: < 2 seconds Voltage: 6v (4\*1.5v D-cell) Weight: 21kg Spare Parts: 4 strips/ 40 Spikes



After plugging in explosive part by customer

Weight of pressure for triggering explosive part: 200 KG Equivalent of explosion: 0.2 kg TNT Blast effect: Detonate and overturn target car with suicide bombing



### FCC warning statement

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.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.