

# CidaSoft Instruction Manual



# Index

1 -	Safety	p3
2 -	Usage	p4
3 -	Useful Tips	p14
4 -	Detonator Parts	p15

# **Safety**

This product is suitable for ages 18 and older.

Read this instruction manual.

Wear eye protection and/or a full-face mask when playing airsoft, paintball or when you use the CidaSoft airsoft hand grenade.

Do not throw the CidaSoft airsoft hand grenade to living objects.

Only use the CidaSoft airsoft hand grenade at places, which are meant for airsoft or paintball.

The use of airsoft gloves is strongly recommended.

We assume no responsibility, directly or indirectly, for financial losses or claims from third persons resulting from using the CidaSoft airsoft hand grenade.

The information in this instruction manual is subject to change without notice.

# Usage

Step 1  
Push the rubber.



Make sure that it is aligned properly. See below.



Not good.



Good.

Step 2  
Push down the handle. This should go smoothly. Do not force it. If it does not go easy, make sure it is aligned properly.



Step 3  
Put the safety pin in place.



Now your detonator should look like this.



Step 4  
Bend the rubber all around a little outwards. This way, no gas will escape from the detonator.



Step 5  
Put part 10 in place.



Step 6  
Look inside to check if the rubber is folded or not.



Not good.



Good

Step 7

Blow inside to check if it is airtight. If not, then repeat steps 4 to 7 again. See step 16 in how to remove part 10.



Step 8

Put the rubber ring in place.



### Step 9

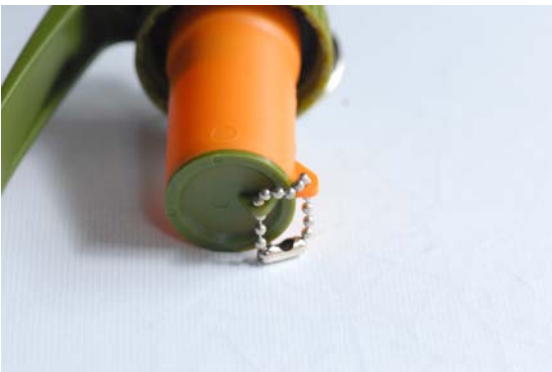
Add the sodium bicarbonate (baking soda). If your product came with the two powders then it is the biggest plastic bag of the two small plastic bags.

How much baking soda depends on the time you want it to take before the bottle explodes. More baking soda will give a shorter “fuse” time. Also, the warmer it is the shorter the “fuse” time will be. (See P. 10)



### Step 10

Close part 10 by using the lid.



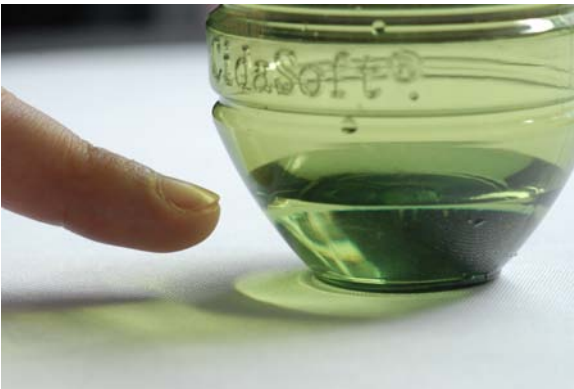
### Step 11

Put the citric acid into the bottle. (The smaller one of the two plastic bags) If your product came without the 2 powders then you will have to measure 12grams or 15cc of citric acid. (See P.10)



### Step 12

Add water. See the picture for how much. Using warm water will make the citric acid dissolve faster.



### Step 13

Shake the bottle to make sure that all the citric acid is mixed with the water.

Tip; mix 130ml water with the 6 packets or 72grams of citric acid in a small (old) water bottle. Then take the citric acid/water mix to your war game.

At this point some BBs can be added. About 100 BBs is a good amount. The grenade can also be used without BBs. Then it just functions like a flash-bang grenade.

Temperature in Celsius	Temperature in Fahrenheit	Baking soda (in orange tube)	Citric acid	Water	Time in seconds +/-	Explode
35 ~ up	95	1/2	12 gram = 15ml	20ml	4	99%
30	86	1/2	12 gram = 15ml	20ml	5	99%
25	77	2/3	12 gram = 15ml	25ml	5	99%
20	68	Full	18 gram = 20ml	25ml	5	99%
15	59	Full	24 gram = 27ml	30ml	5	99%
10	50	Full	36 gram = 40ml	35ml	7	80%

**Step 14**

Screw the bottle onto the detonator. Your CidaSoft Airsoft Hand Grenade is now ready for use.



### Step 15

Using the grenade.

Hold the grenade in one hand.

Pull the pin with the other hand.

Keep hold of the handle until you are ready to throw the grenade.

At this point it is still possible to put back the pin and use the grenade at another moment.

There is no need to shake the grenade after letting go of the handle.

**Please remember to only use this grenade in a war game simulation where people wear eye/face protection!**



Step 16

After the grenade has been used it should look something like this.



Remove part 10 by twisting and pulling it at the same time. If needed then please remove some of the broken bottle parts. They are sharp and can scratch the skin.



### Step 17

Use the bottleneck remover tool to remove the bottleneck. Push it into the bottleneck plastic and turn it counter clockwise. The three blades can be bend a little outwards and made sharper to function better.



### Step 18

Wash the detonator and let it dry before using it again. Wash the detonator as soon as you can. This will prolong the detonators life.

### Step 19

Storage of the detonator. Keep the detonator and part 10 separate. The rubber, part 4 might deform, which will make the detonator unusable.

## **Useful Tips**

Throw the CidaSoft airsoft hand grenade using an underhand method.

Roll the CidaSoft airsoft hand grenade when the ground surface is hard, for example concrete. Don't use too much force.

Don't throw the CidaSoft airsoft hand grenade against a hard object, for example a wall.

Tie a bright colored ribbon to the detonator. This way it will be easier to find the detonator.

# Detonator Parts



Part 1



Part 2



Part 3



Part 4



Part 5



Part 6



Part 8



Part 9



Part 10



Part 11



Part 14 & 15



Part 16