

# SUBLETHAL

## Manual – Adjusting sights

2019 v1

### Introduction

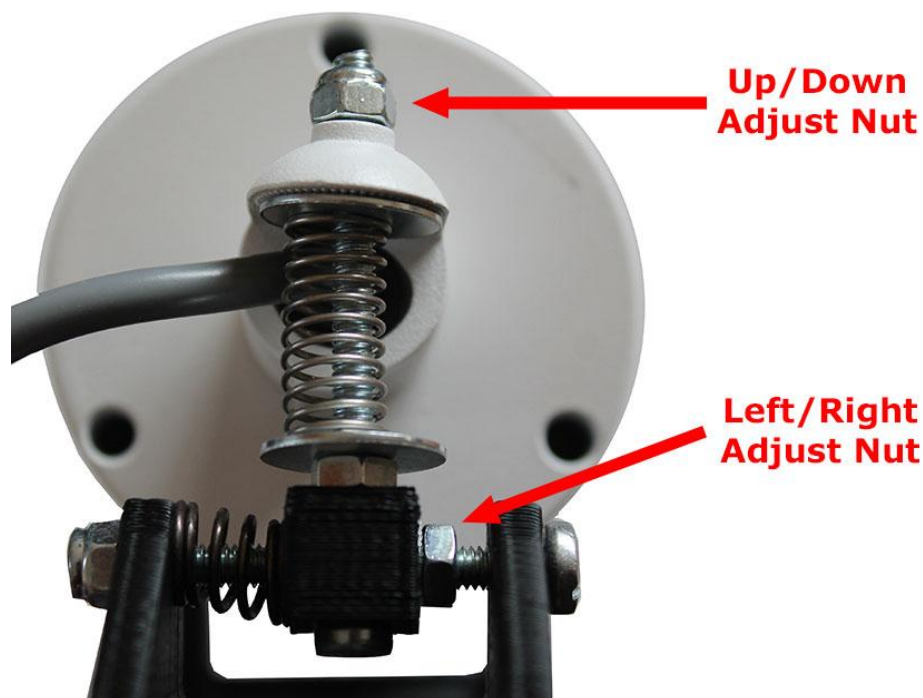
Check the sights during routine maintenance. The sights are factory set to be accurate at 10m. Sights may need to be set differently, depending on the position of likely targets. Hard knocks, transportation and vibrations may offset the sights.

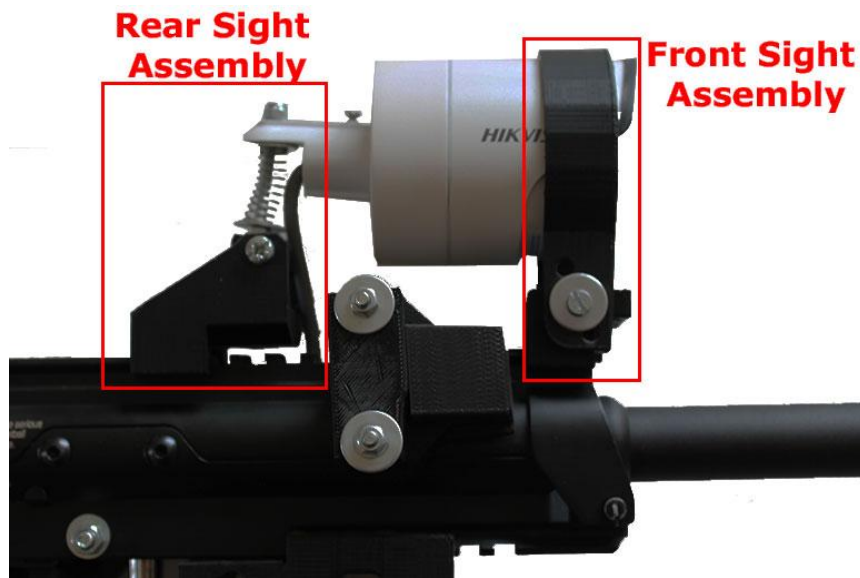
### Important safety note

The accuracy and range of the paintball gun is dependent on many factors. Some of the factors that affect the exact position that the bullet hits: distance, altitude, air pressure, wind, temperature, humidity, gas level, bullet weight, bullet dimensions, barrel cleanliness and dust. Do not assume that the Remote Gun sights are accurate- test them.

### Tools Required

- 4m scaffolding or cherry picker or ladder
- 1 spanner (size 7)
- 1 flat screwdriver
- Muzzle cover for the paintball gun

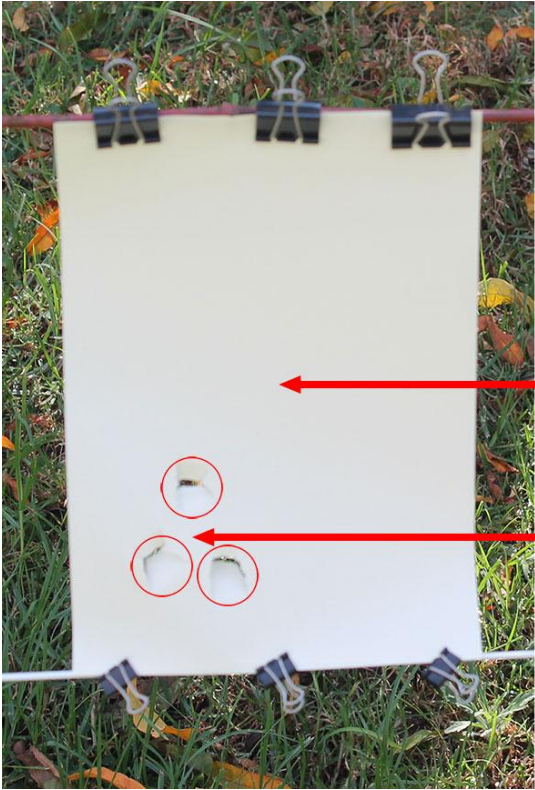




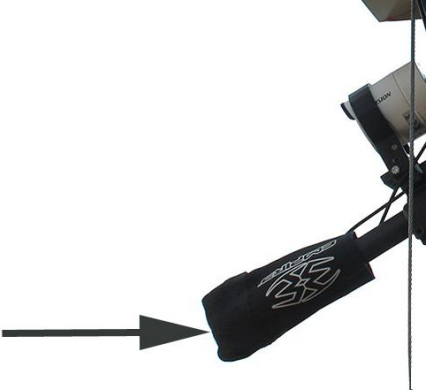
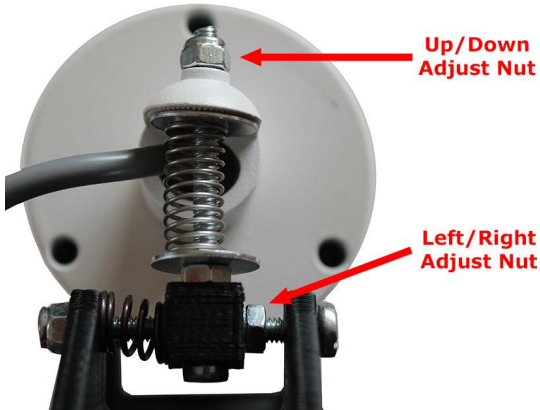
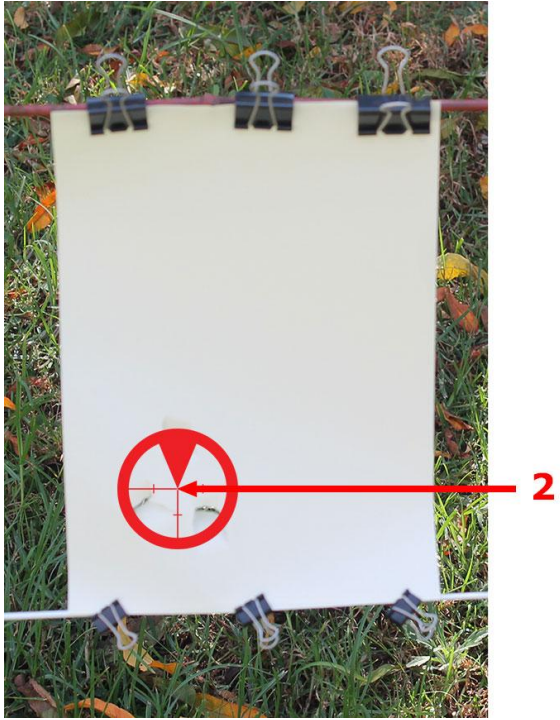



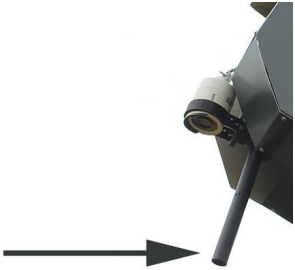
### Procedure for small sight adjustments

<p><b>1</b></p>	<p>Ensure the safety of people and possessions before each procedure.</p>	
<p><b>2</b></p>	<p>Set up a piece of paper or cardboard as a target where the Remote Gun will most likely shoot.</p> <p>Aim for the center of the paper, shown as arrow 1</p> <p>Shoot 3 bullets at arrow 1.</p> <p>Arrow 2 is the center of where the bullets actually landed.</p>	
<p><b>3</b></p>	<p>If the distance between arrow 1 and arrow 2 is very small, then just adjust the sticker on the Hand Controller to be on arrow 2. The spares bag has additional stickers.</p> <p>If the distance between arrow 1 and arrow 2 is noticeable, then follow the <b>Procedure for large sight adjustments</b> below</p>	

## Procedure for large sight adjustments

<b>1</b>	Ensure the safety of people and possessions before each procedure.	
<b>2</b>	<p>Set up a piece of paper or cardboard as a target where the Remote Gun will most likely shoot.</p> <p>Aim for the center of the paper, shown as arrow 1</p> <p>Shoot 3 bullets at arrow 1.</p> <p>Arrow 2 is the center of where the bullets actually landed.</p>	
<b>3</b>	Installer/ technician to switch off the HID (hand controller) and keep the keys with them at all times when working on the Remote Gun	<p><b>Hand Controller</b></p> 
<b>4</b>	Use appropriate safety equipment such as a harness for working at heights. Wear safety glasses.	

<p><b>5</b> Muzzle cover on</p>	
<p><b>6</b> Casing cover off (covering the gun system)</p>	
<p><b>7</b> If the gun is shooting too LOW, then RAISE the UP/DOWN ADJUST NUT (loosen)</p> <p>If the gun is shooting too HIGH, then LOWER the UP/DOWN ADJUST NUT (tighten)</p> <p>If the gun is shooting to the LEFT, then move the LEFT/RIGHT ADJUST NUT to the RIGHT (tighten).</p> <p>If the gun is shooting to the RIGHT, then move the LEFT/RIGHT ADJUST NUT to the LEFT (loosen).</p>	 <p style="text-align: center;"><b>Rear Sight Assembly</b></p>
<p><b>8</b> Adjust the Rear Sight Assembly until the cross hairs on the Hand Controller are over the center of where the bullets actually landed (arrow 2).</p>	

<b>9</b>	Put the casing cover back	
<b>10</b>	Remove the muzzle cover	
<b>11</b>	Put the keys back in the key switch in the Hand Controller.	
<b>12</b>	Repeat steps 1 to 11 until the bullets land where the cross-hairs are.	
<b>13</b>	The technician must leave the site in a safe state.	