My Bluetooth Sniper Weapon

**Summary**

This is my version of the Bluetooth Sniper weapon, it features a medium sized YAGI antenna combined with a 10x magnification scope and a metalised parabolic dish to bundle the Bluetooth signal, thus further enhancing the range. The interior is made from a Linksys USB dongle soldered to the YAGI antenna and to a USB cable connector.

**The Phone**

The Antenna

The YAGI Antenna's cable ending come out of the horizontal end of the Antenna. The goal was that the cable directly enters the gun through the parabola without any cable visible. This was done by simply bending the cable inside, drilling a hole here and there and having it go out at the end of the Antenna.

**Combining YAGI and the Bluetooth Dongle**

Now both had to be interconnected while taking care that the cable, dongle and USB connector fit inside the plastic molding of the main part of the gun. The tricky part here was that the Yagi, the parabola, the gun, the cable and the dongle had to align correctly for the whole to fit.

**The Parabola**

The parabola was clear plastic and had to be metalised in order to correctly reflect the Bluetooth wavelength. I used 99% zinc spray to create a flat metallic surface. Bluetooth uses a different part of the electromagnetic spectrum with quite different signal propagation characteristics than Wifi. The signal wavelength used with Bluetooth communication (about 12.5 cm, at its associated frequency of 2.4GHz). At this wavelength, radio frequency (RF) communications can penetrate many non metallic obstacles.

**The Scope**

The scope gives a 10 fold magnification directly through the parabola, the lens itself can be accommodated to compensate for vision problems.

**Pictures**

Wait, what's this?

This is my Personal "Blog", well kind of, my name is Thierry Zoller I am currently working as a Security Engineer and Penetration Tester for "some company" in Luxembourg.

On these pages i'll treat everything I enjoy and I get in touch with. This may not be strictly related to security but may also touch parts of my personal life.

Speaking of which, on the left that's me, I am 26 and have been involved in the security field since I was 16. I do sports, Fitness and Body Building, I hack various things such as cars, electronics...

Disclaimer

The views and opinion expressed herein are my personal views and are not intended to reflect the views of my employer or any other entity.