

## TUNING THE SILVER BULLET SABER MINI

The following is my steps used to tune the antenna to specific bands. On the 40 and 30 meter bands very little rotating the collar right or left is needed. Tuning the 20, 17, 15, and 12 meter bands some collar rotating is needed to fine tune the frequency. When I reference a click what I mean is moving the collar up one turn of wire, when the collar is moved up or down a click is heard.

Using a 102 inch whip

1 click from the top 21.3060

5 clicks from the top 18.150

9 clicks from the top 14.200

18 clicks from the top 10.100

32 clicks from the top 7.225

Top of coil 21.200 SWR 1.5

To receive 12 and 10 meters use a shorter whip 90 inches or less.

This was with my setup that uses  $\frac{3}{4}$  inch pipe 3 feet in the ground With 3 feet above ground with antenna on top. Three 35 to 40 foot radials on top of the ground. All of the above SWR readings were below 1.5 SWR.

You're tuning may vary from the above due to installation and ground Radials, other antennas type of soil ect, but this is a good starting point.