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# Batos Radio & TV

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## Inverted L Antenna

**Batos made!**

Resonant for 3.5Mhz and 7Mhz at less than half the space of traditional dipole.

With the use of Tuner this antenna **Inverted L** can also be used and give good account for 14Mhz - 21Mhz - 21Mhz.

The antenna is fed with 50 Ohm coaxial cable , with screen connected to the Earth rod.  
No balun or other matching network is needed for 3.5Mhz and 7Mhz as the antennas feed - point Impedance is close to 50 Ohm.

As with the antenna feed point , the ends of the trap and other joints must be weather proofed.

The hight at which **this L antenna** folds over from vertical to horizontal is not to critical but generally the higher it is the better. Exrea high, not only aids DX performance of the antenna but also significantly reduces the amount horizontal space required.

By increasing or reducing 1<sup>st</sup> stage before the trap you can vary the F resonant of antenna around 7Mhz, and by increasing or reducing 2<sup>nd</sup> stage after the trap you can vary the F resonant around 3.5Mhz.

In this type of trap the handling power would be up to 1 KW.

With Lots of playing around you can get 1.3:1 SWR over 40m 80m.

