

MLA-30 USER INSTRUCTIONS

This affordable active loop antenna will be of great benefit to those shortwave listeners who are unable to erect an outdoor antenna. The MegaLoop antenna can be mounted indoors on any non conductive rod or tube, such as PVC conduit or fibreglass rod. The loop can even be affixed to the inside of a window with adhesive tape!

The loop element of the antenna has a design diameter of 60cm and is connected to the active amplifier housing by two stainless steel wingnuts.

The antenna is supplied with a “bias tee” power injector and derives the DC voltage (12v) necessary for operation from any USB power supply or power bank.

Despite criticism of the USB components adding RF noise to the system, the power injector is well filtered and there is no discernable difference between using this setup when compared to a 12 volt linear power supply and separate bias tee.

Purists without a linear power supply could power the amplifier with a 12volt battery. The loop antenna provides good performance between 500Khz and 30 Mhz, and if mounted on a piece of small diameter conduit, wooden dowell or fibreglass tubing, can be rotated to optimise reception. This is particularly useful on the MW broadcast band where adjacent stations can be nulled out to improve the listening experience.

Shortwave performance has been favourably compared to units costing 4 times as much as the MLA-30. The Tecsun Radios Australia Megaloop MLA-30 is supplied with both an SMA female to BNC adaptor and a 3.5mm adaptor to ensure compatability with all modern shortwave receivers.

MegaLoop active antenna MLA-30 specifications:

- Reception frequency: 500 kHz to 30 MHz
- Preamplifier included
- Bias-T power supply via supplied USB cable
- Coaxial cable length: 10 meters
- Antenna connector: SMA male
- No adjustments required
- Waterproof external case
- 1 year warranty

