

MLA-30+ Loop Antenna Installation Manual

Safety Warning!!

When installing the MLA-30+ loop antenna, please pay attention to safety and prevent the risk of tools from falling and electric shock.

1. Keep the antenna away from the wires! If your antenna or ladder hits a wire, you could get an electric shock!
2. Note that various safety precautions must be followed when working at heights, and safety precautions must be taken when installing the antenna.
3. Make sure that your antenna is in a safe place that is open enough so that it will not affect the safety of others. Make sure that your antenna is fixed firmly and will not fall, so as to prevent harm to others.
4. Pay attention to lightning protection! In areas with high lightning incidence, pay attention to lightning protection and install reliable lightning rods.



The MLA-30 loop antenna is a very popular wideband antenna, which is the receiving antenna for shortwave listeners (SWL) and amateur radio amateurs (HAM) to receive medium wave and short wave in life. Frequency coverage: 100kHz to 30MHz. Excellent directivity can help you reduce noise and improve signal-to-noise ratio, and can dig out weak signals that are submerged by noise when received by conventional antennas. The MLA-30 loop antenna is easy to set up and can be easily installed on balconies, rooftops, etc. It is small in size and easy to operate. Another advantage of the MLA-30 loop antenna is its directivity. By rotating the antenna so that the dummy point of the antenna is aligned with the interfering signal, specific near-field interference can be minimized.

- Package List:** Antenna amplifier (with 10m feeder) X1
Stainless steel vibrator X1
Bias power supply X1
0.8m USB cable X1
60cm SMA jumper X1
Stainless steel fixing screws X2



This antenna is fully assembled and ready to install. Please choose an installation location away from any other transmitting antennas. The energy of the transmitting antenna can cause damage to the signal amplifier inside the antenna. If necessary, this antenna can be used indoors by rotating the antenna by hand, but indoor use tends to have more noise sources, and the signal strength of indoor radio waves will be deteriorated due to the shielding of reinforced concrete, so it may cause the signal to be much worse.

Installation method:

You need to prepare a PVC sheathing tube for support. Any diameter can be used, but it

must be strong enough to support the MLA-30 loop antenna. Bamboo poles and wooden poles can also be used, but be careful not to use metal poles. Fix the MLA-30 loop antenna on the support rod with two screws, arrange the stainless steel vibrator into a circle, and then fix it on the terminal of the ingot screw. The top is fixed to the top of the support rod with a cable tie. Then fix the support rod to the roof or outside the balcony. Try to choose a place that is open and far away from interference sources for fixing.



!!! Warn!!!

Antennas must be kept away from power cords

Do not install or move the antenna to a location where it may come into contact with the power cord.

Serious electric shock may result if the antenna comes into contact with the power cord.

Do not install the antenna where it may come into contact with the power cord.

The installation method of the antenna indoors or outdoors is basically the same, the most important thing is the direction of the antenna, so turning it by hand or with a rotator will improve the efficiency of receiving remote stations. Two dead spots on the antenna can point in specific directions. This means placing the noise source in the direction of the dead spot. There is no need to know the direction of the antenna, just rotate the antenna until you hear the noise disappears or is greatly reduced. You may encounter parts of the signal that cannot be attenuated much because the signal they emit may be reflecting from multiple directions to your receiving location.

MLA-30 Ring Antenna Direction Diagram

