

Instructions for use
Small portable active loop antenna

Chelegance / Deshibo
GA-450



This magnetic loop antenna is used for radio reception and is developed and manufactured by Deshibo for Chelegance. It incorporates high-quality circuitry and the ring body is made of stainless steel.

Please read this manual carefully before use!

Frequencies covered: 2 to 30 MHz
Antenna impedance: 50 ohms
Loop diameter: 20cm
Receive gain: 20dbi
Internal battery 18350
Charging via USB-C port
1 x 1m RG174 cable with BNC male connector
1 loop antenna
1 control box with LED indicator

Equipment available in Europe from Passion Radio Shop:
<https://www.passion-radio.com/sdr-antennas/ch0030010-2424.html>

Precautions for use :

1. Before using this antenna, please read the manual carefully and keep it.
2. Please do not disassemble the antenna yourself, otherwise the warranty will be void.
3. With built-in 18350 lithium battery. When the LED is off, the battery is discharged. The light will come on after a full charge, and **you'll need to unplug the charging device in time to stop charging. Be sure to keep an eye on the device during charging. There's no BMS (battery system management).**
5. When you're not using the antenna, switch it off to avoid discharging.

Finally, be patient to adjust the antenna when using it with radio/SDR receiving equipment to get the best reception results.

Main accessories



Note: The power control box contains 18350 lithium batteries,
the full charge indicator light changes color

Instructions :

- 1 - First, fully charge the antenna battery with a quality charger (not supplied).
- 2 - Connect the cable between the antenna and the radio receiver or SDR you're using.
- 3 - Place the antenna as close as possible to a window, or on a windowsill, balcony, etc. Note that the antenna is not waterproof and must not be exposed to rain or water.
- 4 - Turn on the antenna switch and tune the radio or SDR to the frequency you wish to listen to, then turn the direction of the antenna to increase the signal, and then turn the tuning knob while paying attention to the variations in radio signal strength until you hear it at its strongest.
- 5 - After completing the above steps, if reception remains weak, you can adjust the position of the antenna by turning it, to find the best position for a given signal.

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