

English Introduction

This antenna is used for the radio and is developed and produced by Deshibo.

This antenna integrates excellent circuits, and the ring body is made of stainless steel. Whether it is workmanship or receiving, it is a mid-to-high-end product among similar antennas. The antenna has been exported to more than 20 countries overseas and has been selected by a domestic science and technology university. The use of teaching materials for students hopes to bring more good experience to the fans in the future listening process.

Please read this manual carefully before

using the antenna, and be patient enough to adjust the antenna when using it with the radio/SDR software radio to achieve the best reception effect!

Portable loop active radio antenna

DESHIBO

GA-450



Frequency Range: SW2. 3-30MHz

Impedance: 50 ohm

Ring diameter: 20cm

Buit in 18350 battery

Type-C charging port

1M RG174 feeder cable (bnc+3.5)

Main accessories



High-quality stainless steel ring body



Power control box

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



Adapted models



RADIO-1860



SDR



S2000

Instructions:

1. First, fully charge the antenna battery and select a suitable feeder
2. Connect the feeder between the antenna and

the radio

3. Place the antenna as close to the outdoors as possible, such as outdoors, windowsills, balconies, etc.

4. Turn on the antenna switch, and at the same time tune the radio to the frequency you want 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 changes in the radio signal until you hear clearly

5. After the above steps are completed, if the effect is not obvious, you can adjust the antenna position at this time, select several different positions for testing, and finally the listening effect can reach the ideal position as the best position.

Parameter:

Receiving frequency: SW 2.30-30MHz (main adaptation frequency)

MW 522-1710KHz (The supporting radio needs to have a medium wave input interface)

Impedance: 50ohm

Gain: 20dbi

Dimensions: ring diameter 20cm, antenna box 10.5*6.5*2.6cm

Power supply: Built-in 18350 lithium battery, standard Type-c charging port

Accessories: antenna box, stainless steel ring, 18350 lithium battery, 1 meter RG174 feeder (BNC+3.5 plug/.BNC+BNC)

Precautions:

1. Before operating this antenna, please read the manual carefully and keep it in a safe place for easy reference at any time
2. Please do not disassemble the antenna by yourself without the professional technical personnel of our company, otherwise the warranty will not be given
3. Built-in 18350 lithium battery. When the indicator light is off, please charge it in time. The light will change color after full charge and you need to unplug the charging device in time to stop charging.
5. When not using the antenna, please turn off the power in time to avoid running out of battery power next time you listen to it.

6. When the listening signal is unstable, please adjust the antenna position and direction in time to ensure that the signal can be heard normally (the best recommended location: outdoor or indoor near the window)

2021-10-10

德仕博 DESHIBO

GA-450

便携有源小环天线

Portable active small loop antenna

使用说明书（User's manual）



德仕博电子（东莞）有限公司监制

Produced by Deshibo Electronics (Dongguan) Co., Ltd.

目录

1.	.....	简介
2.	.....	产品介绍
3.	.....	主要配件
4.	.....	参数
5.	.....	注意事项
6.	.....	English instructions

◎简介:

本天线为收音机配套使用天线，由德仕博公司研发生产。

这款天线集成优秀电路，环体采用不锈钢材质，无论是做工还是接收，都在同类天线中属于中高端产品，本天线目前已出口海外 20 多个国家，并被国内一所科技类大学选用为学生教材使用，希望在以后的收听过程中带给爱好者更多良好的体验。

在使用天线之前请您仔细阅读该说明书，配合收音机/SDR 软件无线电使用时要有足够耐心调试天线，以使接收效果达到最佳状态！

◎产品介绍



主要配件：



优质不锈钢环体



电源控制盒

说明：电源控制盒内含有18350锂电池，
充电为TYPE-C,充满灯自动转换颜色

配件表

名称	规格	数量
接收环	D-20cm,BNC	1
天线盒	10.5*6.5*2.6cm	1
电池	内置一节 18350 锂电池	1
馈线	BNC-3.5,BNC-BNC	2

适配机型

德仕博1860. 1780.

德生PL660. 880. 990. 501. S2000

山劲909X



使用方法：

- 1.首先将天线电池充满电，选择合适馈线
- 2.连接好天线到收音机之间的馈线
- 3.把天线置于室外、窗台、阳台等尽量靠近室外的地方
- 4.打开天线开关，同时收音机调至将要收听的频率，然后转动天线方向，使信号增强，再转动调谐旋钮，

同时注意收音机信号变化，直到清晰收听为止

5.以上步骤操作完后，如效果变化不明显，这时可以调整天线位置，选择几个不同位置进行测试，最终收听效果能达到理想为最佳位置。

◎参数：

- 接收频率：SW 2.30-30MHz（**主要适配频率**）
MW 522-1710KHz（**配套收音机需有中波输入接口**）
- 阻抗：50ohm
- 增益：20dbi
- 尺寸：环直径 20cm, 天线盒 10.5*6.5*2.6cm
- 电源：内置 18350 锂电池，标准 Type-c 充电口
- 配件：天线盒、不锈钢环、18350 锂电池、1 米 RG174 馈线（BNC+3.5 插头/. BNC+BNC）

注意事项：

1. 操作本天线前，请仔细阅读说明书，并妥善保管，以便随时参阅
2. 非经本公司专业技术人员，请勿自行拆卸本天线，否则不予保修
3. 内置 18350 锂电池，当指示灯不亮时，请及时充电，充满后灯变色
 并需及时拔下充电装置，停止充电。
5. 当不使用天线时，请及时关闭电源，以免下一次收听电池电量用尽。
6. 当收听信号不稳定时，请及时调整天线位置和方向，以确保信号能
 正常收听（最佳推荐使用位置：室外或者室内靠近窗户边的位置）