

## 一般性检查

### 1. 请检查运输包装

如运输包装已损坏，请保留被损坏的包装或防震材料，直到货物经过完全检查且仪器通过电性和机械测试。因运输造成仪器损坏，由发货方和承运方联系赔偿事宜。**RIGOL**公司恕不进行免费维修或更换。

### 2. 请检查整机

若存在机械损坏或缺失，或者仪器未通过电性和机械测试，请联系您的**RIGOL**经销商。

### 3. 请检查随机附件

请根据装箱单检查随机附件，如有损坏或缺失，请联系您的**RIGOL**经销商。

## 一般安全概要

1. 请使用所在国家认可的本产品专用电源线。
2. 请确保产品可靠接地。
3. 请勿开盖操作。
4. 请使用合适的保险丝。
5. 请避免电路外露。
6. 怀疑产品出故障时，请勿进行操作。
7. 请保持适当的通风。
8. 请勿在潮湿环境下操作。
9. 请勿在易燃易爆的环境下操作。
10. 请保持产品表面的清洁和干燥。
11. 请注意防静电保护。
12. 请注意搬运安全。

## 产品简介

DSA800系列是一款体积小、重量轻、性价比超高、入门级的便携式频谱分析仪，频率范围为9 kHz至1.5 GHz。它拥有易于操作的键盘布局、高度清晰的彩色液晶显示屏、丰富的远程通信接口，可广泛应用于教育科学、企业研发和工业生产等诸多领域中。



设备尺寸：宽×高×深 = 361.6 mm× 178.8 mm×128 mm 重量：4.25 kg (含跟踪源)

## 调整支撑脚

DSA800允许用户在使用仪器时打开支撑脚以作为支架使仪器向上倾斜，便于操作和观察。在不使用仪器时，用户可以合上支撑脚以方便放置或搬运。




## 连接电源

请使用附件提供的电源线将频谱仪连接至AC电源中。DSA800支持的AC电源规格为100 V - 240 V, 45 Hz - 440 Hz；保险丝规格为250V AC, T2A。

**注意**  
为避免电击，请确保仪器正确接地。

## 开机与自校正

正确连接电源后，按下前面板的电源开关键  打开频谱仪。您可以通过开机进度指示获得开机初始化过程信息。开机画面结束后，屏幕出现扫频曲线。按 **System** → **校准** → **立即校准**，使用系统内部的校准源对系统进行自校正，更多信息请查看本产品用户手册。

## 使用注意事项

### 1. 使用跟踪源输出端：

**注意**  
为了避免损坏跟踪源，反向功率或电压不得超过1 W或50 V DC。




### 2. 使用射频输入端：

**注意**  
为避免损坏仪器，输入到射频输入端的信号，直流电压分量不得超过50 V，交流（射频）信号分量最大连续功率不得超过20 dBm。



## 远程控制概述

DSA800支持通过USB、LAN或GPIB（选件）接口与计算机进行通信从而实现远程控制。远程控制基于SCPI命令集（Standard Commands for Programmable Instruments）实现，主要包括两种方式：用户自定义编程和使用PC软件（如**RIGOL** Ultra Sigma）。

当仪器工作在远程模式时，用户界面显示  图标，前面板按键被锁定（**Esc** 键除外）。此时，您可以按 **Esc** 键退出远程模式。

## 更多产品信息

您可以使用菜单 **System** → **信息** → **系统信息** 获取您的设备信息，包括型号、序列号、硬件和软件版本号等；您还可以通过菜单 **System** → **序列号** 查看已安装的选件列表。

欲了解本产品更多信息，请查阅如下手册（由附件“光盘”提供，您也可登录**RIGOL**网站下载）：  
用户手册：提供本产品功能的详细说明；  
编程手册：提供本产品SCPI命令及编程的详细说明；  
数据手册：提供本产品的主要特色和技术指标；  
附件与选件手册：提供本产品附件和选件的详细说明。

## 联系我们

如您在使用此产品的过程中有任何问题或需求，请与**RIGOL**联系：  
服务与支持热线：800 810 0002  
网址：www.rigol.com

## Contact Us

If you have any problem or requirement when using our products, please contact RIGOL Technologies, Inc. or your local distributors, or visit: www.rigol.com.

## General Inspection

### 1. Inspect the shipping container for damage

If your shipping container appears to be damaged, keep the shipping container or cushioning material until you have inspected the contents of the shipment for completeness and have checked the instrument electrically and mechanically. If your instrument has damaged during shipping, please contact your shipper and carrier for compensation. **RIGOL** will provide no free repair or replacement.

### 2. Inspect the instrument

If there is any mechanical damage or defect, or if the instrument does not pass electrical and mechanical tests, please contact your **RIGOL** sales representative.

### 3. Check the accessories

Please check the accessories according to the packing lists. If the accessories are incomplete or damaged, please contact your **RIGOL** sales representative.

# 快速指南 Quick Guide



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## DSA800 系列频谱分析仪

## DSA800 Series Spectrum Analyzer

### Remote Control Overview


DSA800 supports communication with PC via USB, LAN or GPIB (option) interface for remote control. The remote control is realized on the basis of SCPI (Standard Commands for Programmable Instruments) command set through two ways: user-defined programming and PC software (such as **RIGOL** Ultra Sigma).

When the instrument is in remote mode, the **Rmt** icon is displayed in the user interface and the front panel keys (except **Esc**) are locked. At this point, you can press **Esc** to exit remote mode.

### General Safety Summary

1. Use power cords designed for the instrument and authorized by local country.
2. Make sure the instrument is grounded properly.
3. Do not operate without covers.
4. Use proper fuse.
5. Avoid circuit or wire exposure.
6. Do not operate with suspected failures.
7. Keep proper ventilation.
8. Do not operate in wet conditions.
9. Do not operate in flammable and explosive environment.
10. Keep product surface clean and dry.
11. Protect the instrument from static electricity.
12. Pay attention to handling safety.

### Start-up and Self-calibration

After connecting the instrument to power source correctly, press  at the front panel to start the spectrum analyzer. You can obtain information about the start-up initialization process through the start-up progress indications. Following the start-up screen, the sweep curve is displayed. Press **System**→**Calibrate**→**Cal Now** and the instrument will perform self-calibration (for more information, refer to the User's Guide).

### Using Notices

#### 1. To use the tracking generator output terminal:

**CAUTION**  
To avoid damage to the tracking generator, the reverse power or voltage can not exceed 1 W or 50 V DC.



#### 2. To use the RF input terminal:

**CAUTION**  
To avoid damage to the instrument, for the signal input from the RF input terminal, the DC voltage component and the maximum continuous power of the AC (RF) signal component can not exceed 50 V and 20 dBm respectively.



### To Adjust the Supporting Legs

Users can unfold the supporting legs to use them as stands to tilt the instrument upwards for easier operation and observation. Users can also fold the supporting legs when the instrument is not in use for easier storage or shipment.



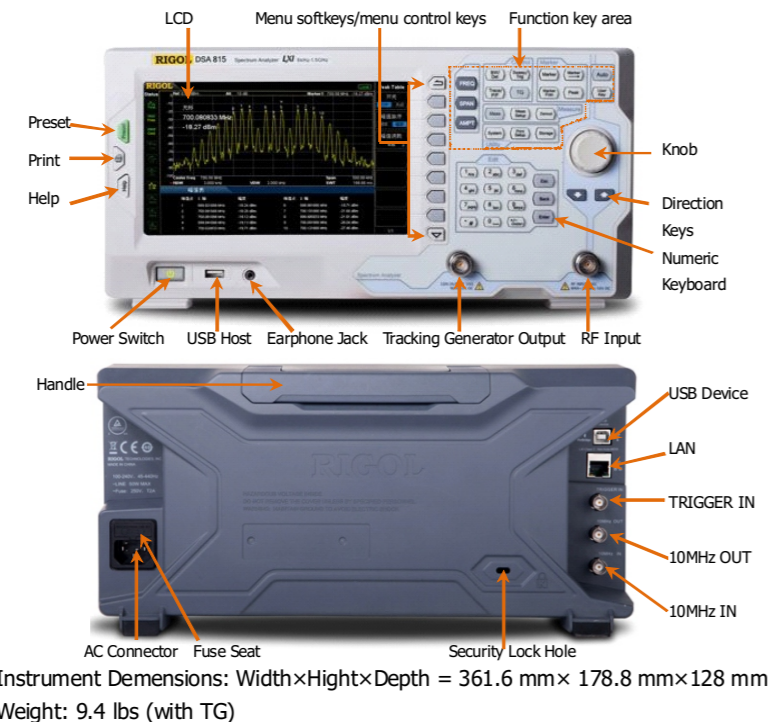
### To Connect to Power

Connect the spectrum analyzer to AC power source using the power cord supplied with the accessories. DSA800 supports 100 V - 240 V, 45 Hz - 440 Hz AC power source and 250V AC, T2A fuse.

**CAUTION**  
Make sure that the instrument is properly grounded to avoid electric shock.

### Product Overview

DSA800 series spectrum analyzers which are small, light and cost-effective, are portable spectrum analyzers designed for starters. Its frequency range is from 9 kHz to 1.5 GHz. Configured with easy-to-operate keyboard, high-resolution color LCD display and various remote communication interfaces, they can be widely used in various fields, such as education, company research and development as well as industrial manufacture.

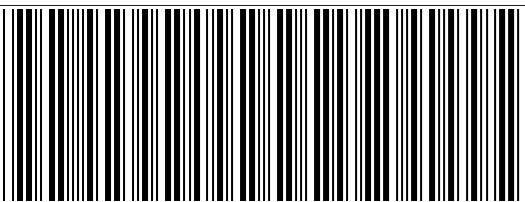


### For More Product Information

You can obtain the instrument information including model, serial number as well as hardware and software version numbers through **System**→**Information**→**System Info**. You can also view the list of installed options through **System**→**License**.

For more information of this product, please refer to the following manuals (provided in the "CD" in the accessories; you can also download them from the **RIGOL** network):

- User's Guide:** provide detailed introductions of the functions of this product;
- Programming Guide:** provide detailed introductions of the SCPI commands and programming of this product;
- Datasheet:** provide the main characteristics and specifications of this product;
- Accessories and Options:** provide detailed introductions of the accessories and options of this product.



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