User's Guide RIGOL

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USB-GPIB 适配器
USB-GPIB Adapter

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正确插拔。仪器正在工作时请勿插拔。

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避免电路外露。电源接通后请勿接触外露的接头和元件。

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保持适当的通风。

请勿在潮湿环境下操作。

请勿在易燃易爆的环境下操作。

请保持产品表面的清洁和干燥。

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RIGOL USB-GPIB 适配器介绍

RIGOL USB-GPIB 适配器是用于使集成了 USB Host 接口但未集成 GPIB 接口的 **RIGOL** 仪器（例如 DS1000 系列数字示波器）连接到 GPIB 总线控制器上的设备，即为未集成 GPIB 接口的 **RIGOL** 设备扩展出 GPIB 接口，使 **RIGOL** 仪器可以通过 GPIB 指令更轻松的完成各门类的工作。

下面给出的性能特点，将介绍此适配器如何满足您的工作要求。

- 本适配器可以通过 **RIGOL** 仪器的 USB Host 接口进行 GPIB 控制。
- 可通过 GPIB 主机对 **RIGOL** 仪器的 GPIB 地址进行分配。
- 本适配器由 USB Host 接口供电，无需外接电源。
- 本适配器通过一个 LED 灯显示电源状态。

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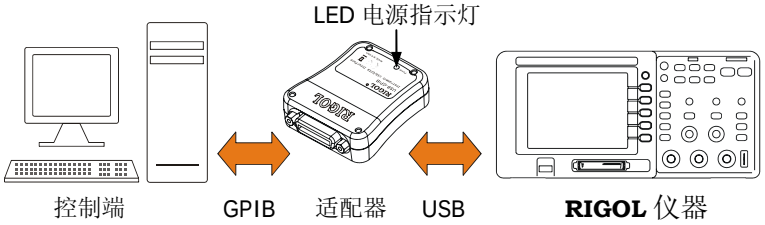
适配器连接方式

将本适配器的USB接口连接至**RIGOL**仪器的USB Host接口，将 GPIB 接口连接至 GPIB 总线控制器上。



USB-GPIB 适配器连接示意图

注意：本适配器为 USB 转 GPIB 设备。USB 接口连接 **RIGOL** 仪器的 USB Host 接口，GPIB 接口连接至 GPIB 总线控制器上，请务必注意此适配器的连接方式。

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仪器的 GPIB 地址可以通过上位机进行设置，本适配器默认 GPIB 地址为“16”。

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系统要求

每个适配器只能对应一台仪器使用，不支持通过 USB 集线器对多台仪器进行控制。

注意事项

可通过适配器上的 LED 指示灯获取适配器供电状况的信息。如在正确连接并启动仪器后，适配器的 LED 指示灯不亮，请联系 **RIGOL** 工作人员以确认故障，请勿自行拆卸。

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Safety Notices

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Review the following safety precautions carefully before operating the module to avoid any personal injuries or damages to the module and any products connected to it.

To avoid potential hazards, use the module as specified by this user's guide only.

The instrument should be serviced by qualified personnel only.

To Avoid Fire or Personal Injury.

Connect and Disconnect Accessories. Do not connect or disconnect cables in running state.

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Do Not Operate Without Covers. Do not operate the module with covers or panels removed.

Avoid Circuit or Wire Exposure. Do not touch exposed connections and components when power is on.

Do Not Operate With Suspected Failures. If suspected damage occurs with the instrument, have it inspected by **RIGOL** authorized service personnel before further operations.

Do Not Operate in Wet/Damp Conditions.

Do Not Operate in an Explosive Environment.

Keep Product Surfaces Clean and Dry.

RIGOL USB-GPIB Adapter Introduction

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RIGOL USB-GPIB Adapter used for **RIGOL** instrument with USB Host interface but without GPIB interface (for example DS1000 series oscilloscopes) connects to a GPIB controller. It is also a module that expands the GPIB interface for **RIGOL** instrument without GPIB interface, and enables the **RIGOL** instrument to be easier to work through GPIB interface.

RIGOL USB-GPIB Adapter gives you:

- Enable GPIB control of **RIGOL** instruments through the USB Host port of **RIGOL** instruments.
- GPIB primary address of **RIGOL** instrument is assignable through the host instrument.
- Powered by USB Host, do not need the external power supply.

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- LED indicator provides power status.

Connection of the Adapter

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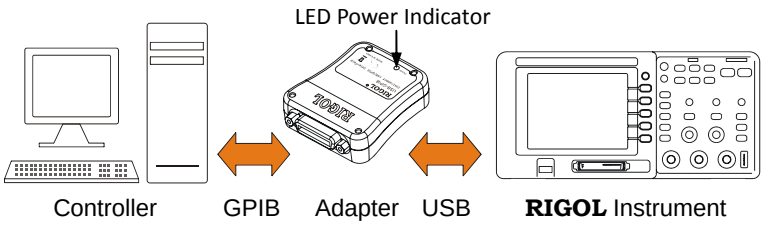
Connect the USB interface of the adapter to the USB Host interface of the **RIGOL** instrument and connect the GPIB interface of the adapter to the GPIB bus controller.



USB-GPIB configuration of controller and instrument

Note: This adapter is used for the **RIGOL** USB Host interface and connects to the GPIB bus controller. Cannot connect reverse. Please pay attention to the connection method.

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GPIB primary address of **RIGOL** instrument is assignable through the host instrument, the default GPIB primary address is 16.

System Request

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Each adapter controls one instrument and does not support use of USB hubs.

Attention

May access LED Power Indicator gain the power supply information of the Adapter. After connecting and starting the instrument correctly, the LED Power Indicator of the adapter is not bright, please contact the **RIGOL** to confirm the malfunction. Please do not disassemble the Adapter yourself.

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characteristic and any particular purpose.

RIGOL will not take any responsibility in cases regarding to indirect, particular and ensuing damage.

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