

How to use the R&S® Audio Analyzers UP300/UP350 drivers

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Installation of the instrument driver

The VXIPnP instrument driver also installs the Windows (XP, 2000) USB drivers and the tool SiScan. Please install the UP300/UP350 driver before connecting the instrument.

Instrument identification and logical names

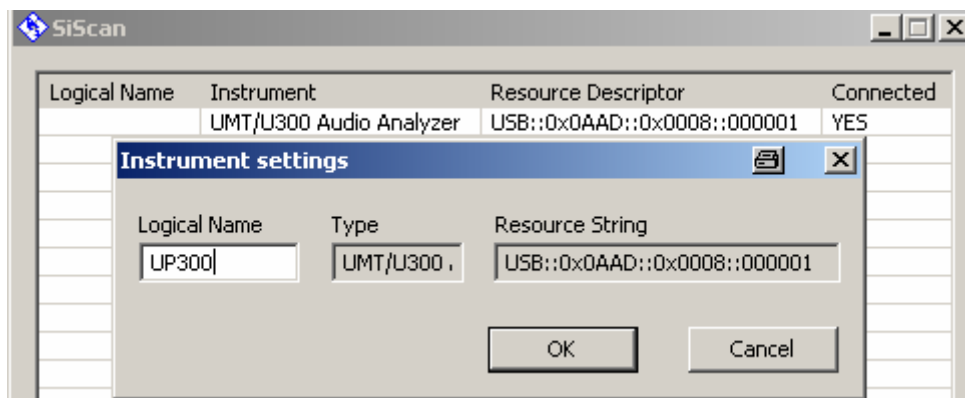
For finding the instrument address on the USB bus easily, use the SiScan application, which is installed with the VXIPnP driver and found in the menu

start > Programs > Rohde & Schwarz > SiTools

SiScan provides a table showing the addresses of all connected Smart instruments.

The driver supports also logical names. You can pass the logical name instead of the instrument descriptor. For example: "UP300" instead of " USB::0xAAD::0x0008::100001::INSTR ".

Logical names can be configured with the SiScan application.



Instrument address descriptor

The syntax for the instrument descriptor is:

USB::<vendor Id>::<product Id>::<serial number>

where <vendor Id> is 0xaad for Rohde&Schwarz

<product Id> is 0x8 for UP300/UP350

<serial number> of the FS300/FS315 consists of 6 digits. For example 100174.

Example: "USB::0xaad::0x8::000001::INSTR"

LabWindows/CVI

To use the LabWindows/CVI driver it is necessary to install the VXIPnP instrument driver first.

Additional Help

The LabWindows/CVI instrument driver consists of a ZIP archive containing the driver sources. In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources.

LabVIEW

Use this driver as a standard LabVIEW driver

In order to use this driver as a standard LabVIEW driver, please copy the contents of the ~\VXIpnP\GWinNt\rssiup directory into your LabVIEW directory (~\LabVIEW\instr.lib\rssiup\). The driver will then be directly accessible from the LabVIEW Instrument Driver function palette menu.

Additional Help

In addition, the instrument driver documentation is included in compressed HTML format (Windows CHM help file) stored together with the LabVIEW driver sources.

Each VI's help is linked to the section in the "CHM" file that describes all the features of the VI.

- **LabVIEW 6.1** and higher an additional help topic can be accessed directly by pressing "[Click here for more help](#)" in the Context Help

LabVIEW 8 drivers

Please use the LabVIEW 6.1 driver.

LabVIEW 7 drivers

Please use the LabVIEW 6.1 driver.

LabVIEW 6.0 driver

Please contact [Rohde & Schwarz Customer Support Center](#)

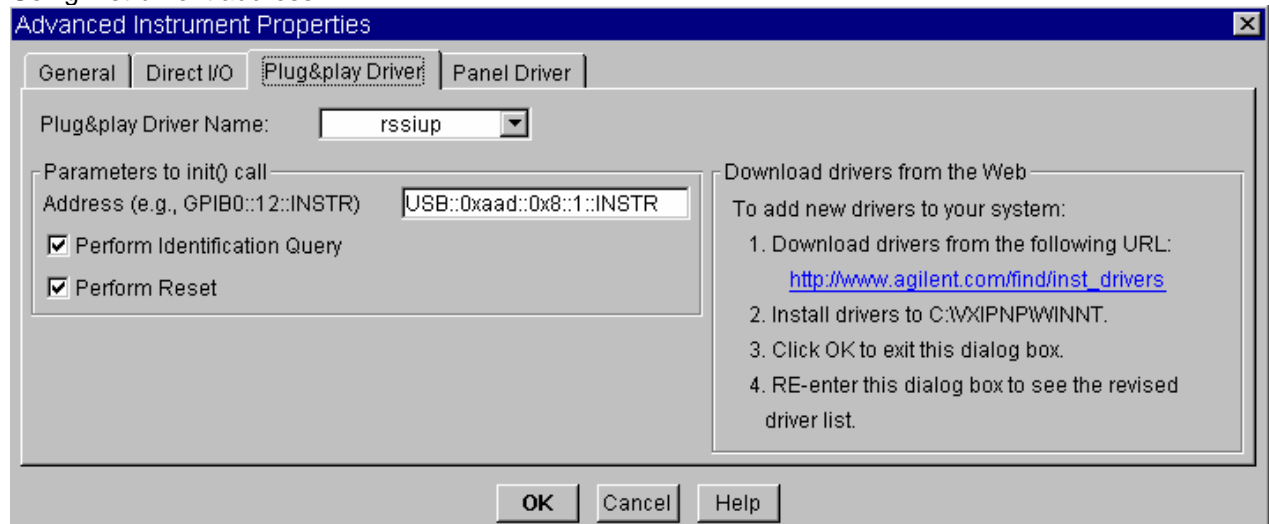
VXIplug&play Instrument Driver

VEE

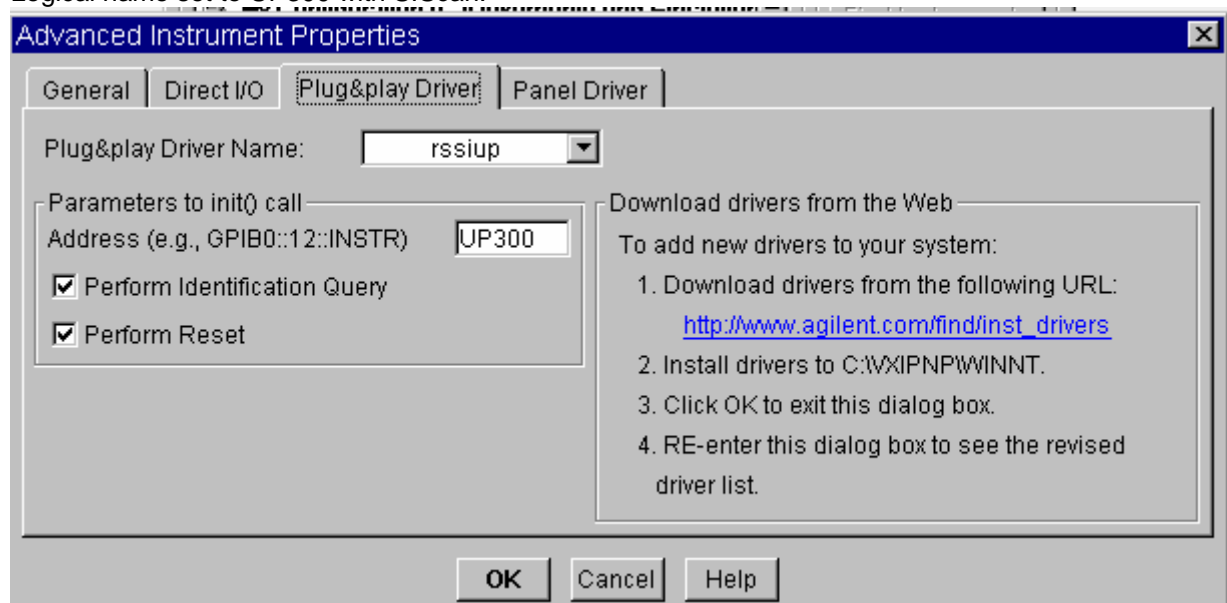
Set **Plug&Play Driver Name** to rssiup and **Address** or the **Logical Name** in the menu
IO > Instrument Manager > Advanced > Plug&Play Driver.

Examples:

Using Instrument address:



Logical name set to UP300 with SIScan:



Additional Help

In addition, the instrument driver documentation is also included in compressed HTML format (Windows CHM help file) and stored together with the driver sources in the ~\VXI\np\WinNT\rssiup directory.

For more information regarding the VXI PnP instrument drivers, please read the readme.txt file that comes with each driver.

Linux

Drivers for Linux are available - Please contact Rohde & Schwarz Customer Support Center

R&S Smart Instruments™ Family300 Basic Programming Guide

The instrument drivers allow you to access instruments from various programming environments under Microsoft Windows XP/2000. The "Smart Instruments™ Programming Guide" deals with programming the Smart Instruments™ Family300 based on these drivers from different programming languages (C/C++, Visual Basic, LabView, LabWindows/CVI).

Download the R&S Smart Instruments™ Family300 Basic Programming Guide:

<http://www.rohde-schwarz.com/appnote/1MA73.html>