



Installing Windows drivers for the USRP-1

Using the USRP-1 with radR under Windows requires installation of a driver from the open source [libusb-win32 project](#), which is redistributed with radR. The following instructions are for Windows 7, but a similar approach works for Windows Vista and XP.

Make sure you have installed the windows driver files from here:

http://discovery.acadiau.ca/radR/windows_drivers.zip

(If you have installed any UHD drivers from Ettus.com, you will probably have to uninstall the USRP device from the Windows control panel before continuing with the following instructions.)

This zip file should be extracted into the radRXXX/plugins/usrp/windows_drivers subfolder, replacing any existing files there.

1. The USRP-1 does not have a power switch: just plug in the power supply to turn it on.
2. Connect the USB cable between the front panel of the USRP-1 and a USB port on your PC.
3. Windows will notice the device and will display an error indicating it was unable to install the new hardware.
4. From the Windows start menu, go to the Device Manager and find an unknown device indicated by a yellow "!".

device_manager_showing_unknown_device.png

5. Right click on the unknown device and choose **Properties**. Verify that the **Details** panel shows the correct VID and PID values (VID_FFFE PID_0002; don't worry about REV) If your VID/PID values do not match these, please see [this page](#).
device_properties_showing VID_and_PID.png

6. From the **Driver** panel, choose **Update Driver...**

unknown_device_properties_choose_update_driver.png

7. Then choose **Browse my computer for driver software**

update_driver_software_unknown_device.png

8. Click the **Browse** button and locate the folder radR / plugins / usrp / windows_drivers.
Make sure **Include subfolders** is checked, then click **Next**.

update_driver_software_unknown_device_browse_for_driver_software.png

9. You will probably receive a Windows security. Click on **Install this driver anyway**.

windows_security_install_this_driver_software_anyway.png

10. After a few seconds, you should see a screen reporting successful installation of the USRP-1 driver.

update_driver_software_usrp-1_success.png