



raditeq RadiPower RF/USB Power Meter User Guide

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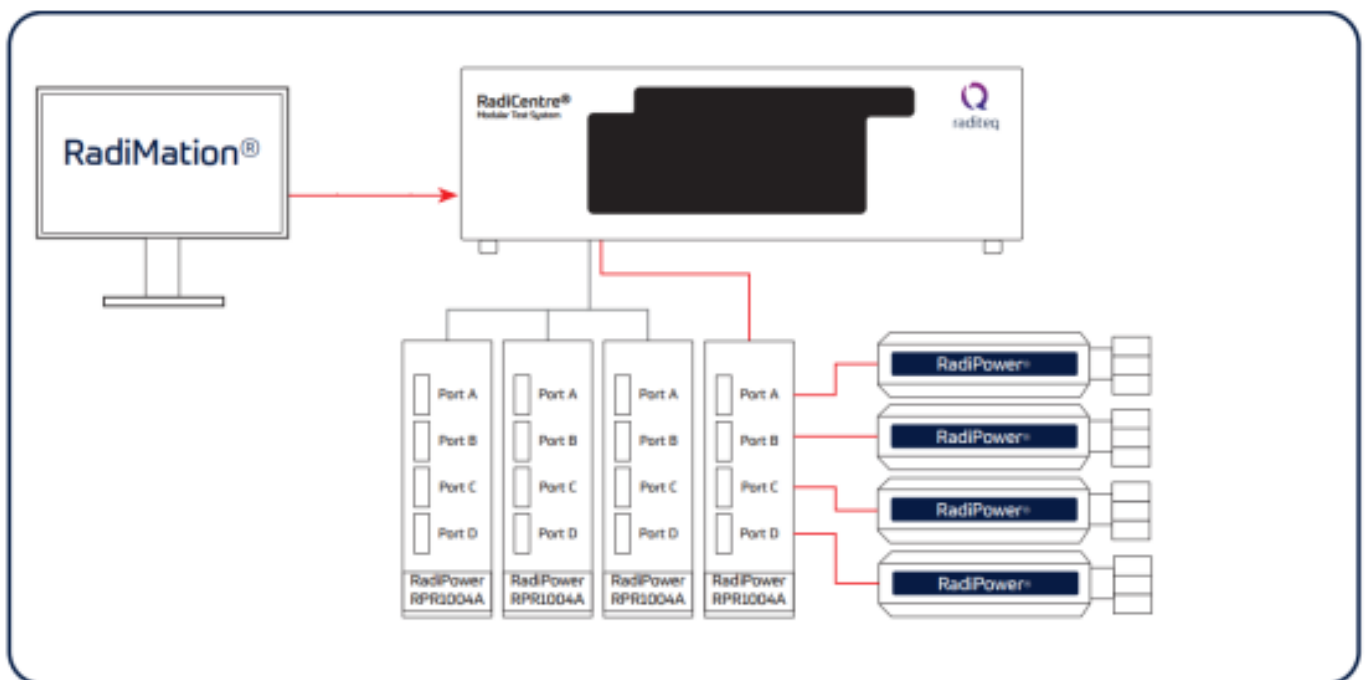


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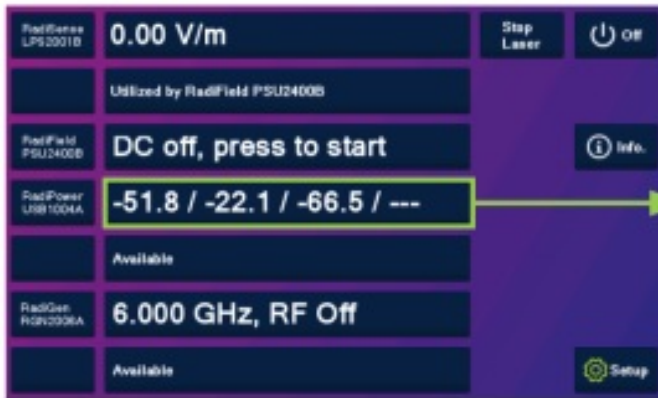
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Connecting the RadiPower® 2000 series

The RadiPower® power meter 2000 series can be operated and controlled from the RadiCentre®. The RadiPower® can be connected (N-type connector) to the EUT which is to be measured. On the other side of the RadiPower® there is an USB (B) connector which can be connected to the USB1004A plug-in card in the RadiCentre® through one of the four USB (A) inputs.



RadiCentre® Control Screen



RadiPower® Control Screen



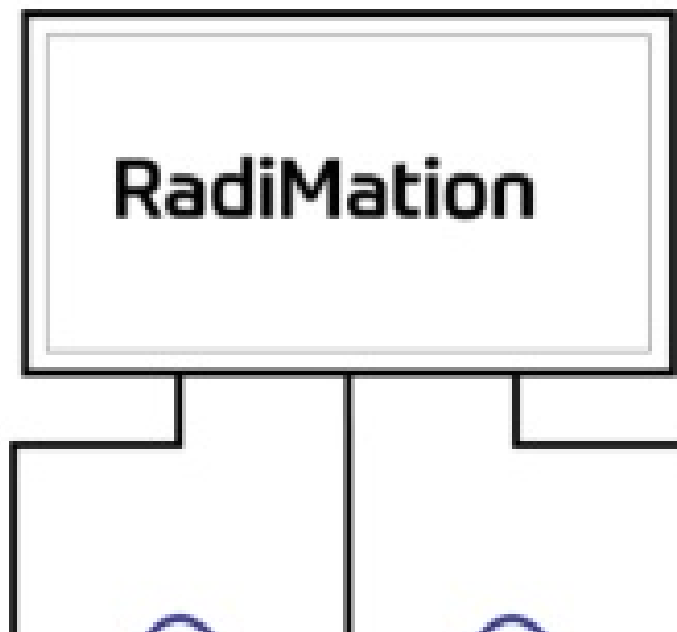
On the RadiCentre® control screen the RadiPower® (USB1004A) is visible. When tapped the RadiPower® control screen will be shown. The control screen for the RadiPower® gives the option to set multiple parameters of the power meters such as frequency, offsets and filters. The RadiCentre® is also capable to perform calculations such as net power, gain and VSWR. The calculations can be found on the left bottom of the RadiPower® control screen. How to set these calculations, frequencies offsets and filters please consult the RadiPower® 2000 series manual.

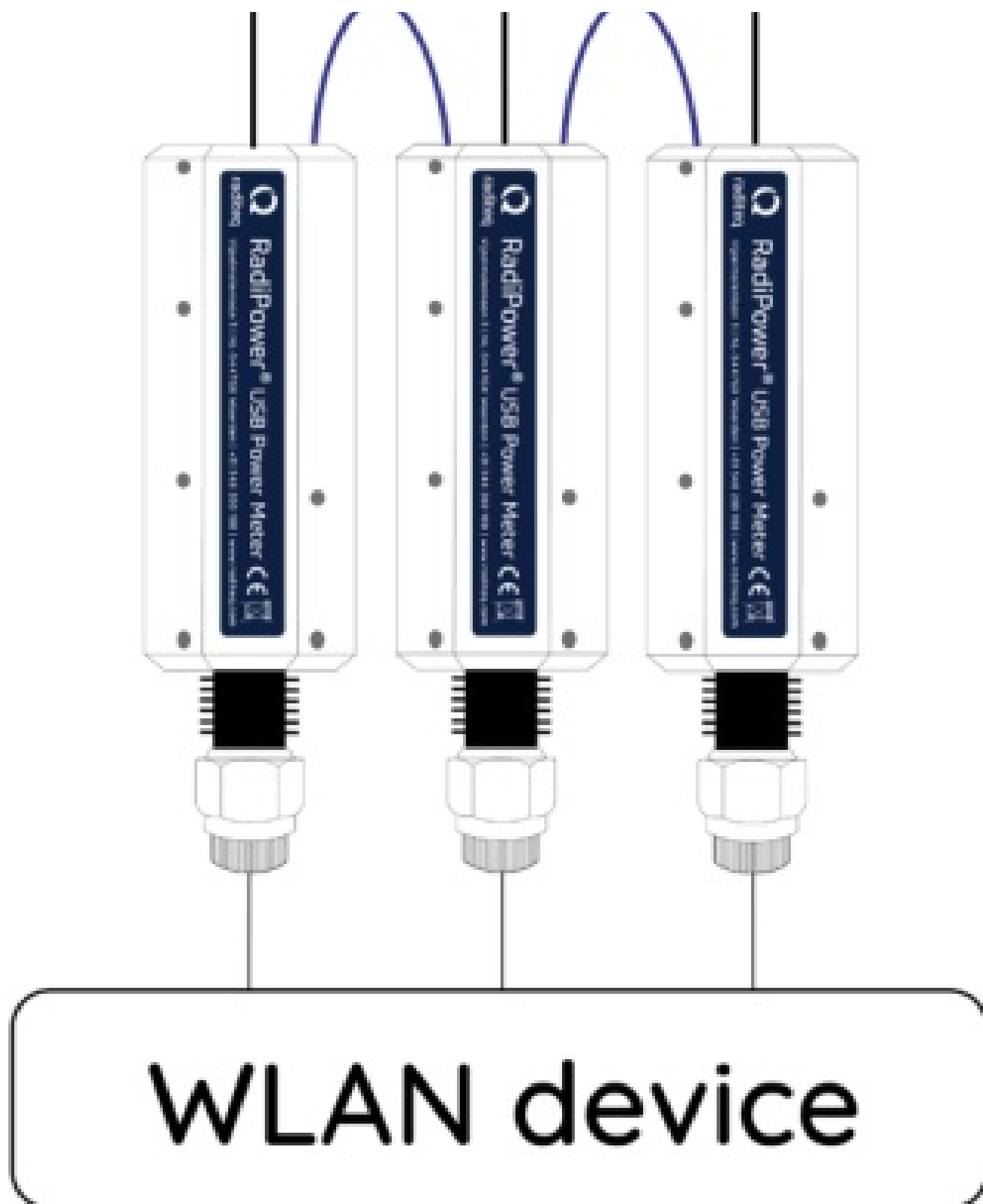
Connecting the RadiPower® 3000 series

The RadiPower® RPR3006W has two trigger ports (MMCX) which can be used to synchronize multiple power meters. These power meters connected through a daisy chain trigger each other to make time synchronized measurements. Due to this function measurements of WLAN and/or MIMO devices are according to the EN 300 328 and EN 301 893 standards.

The RadiPower® 3000 series is best exploited by directly connecting to a PC with EMC/Test Software. All necessary parameters can be set and calculated by RadiMation® Free (or a higher version) making the setup and measurements effortless.

The necessity of software is due to the speed on which the RadiPower® 3000 series can communicate. To make the most out of the RadiPower® 3000 series combine it with RadiMation® EMC test software or with other EMC software. Although the RadiPower® is best used standalone in combination with software it can be connected and used on the RadiCentre® as a regular power meter.





Note: When the 3000 Series is connected to the RadiCentre® not all functionalities are available.

For more information on stand alone use of the RadiPower® go down to the stand alone section.



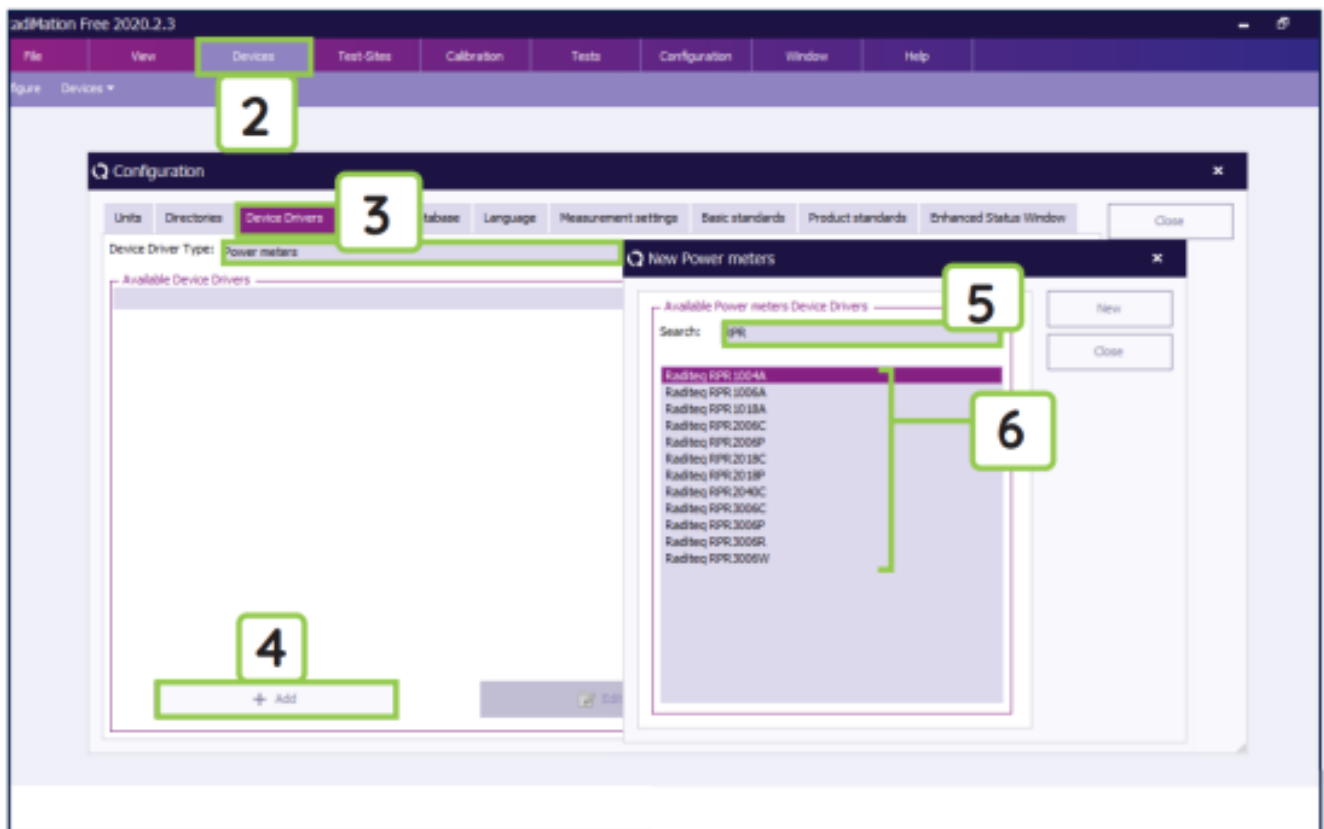
Software Configuration

In order to control the RadiPower® from a computer, either custom made software, third party software or the RadiMation® EMC software package can be used. RadiMation® from Raditeq is sold separately. If the RadiPower® is operated manually, this chapter can be skipped.

The RadiPower® device driver is part of the “Power meter” device driver family

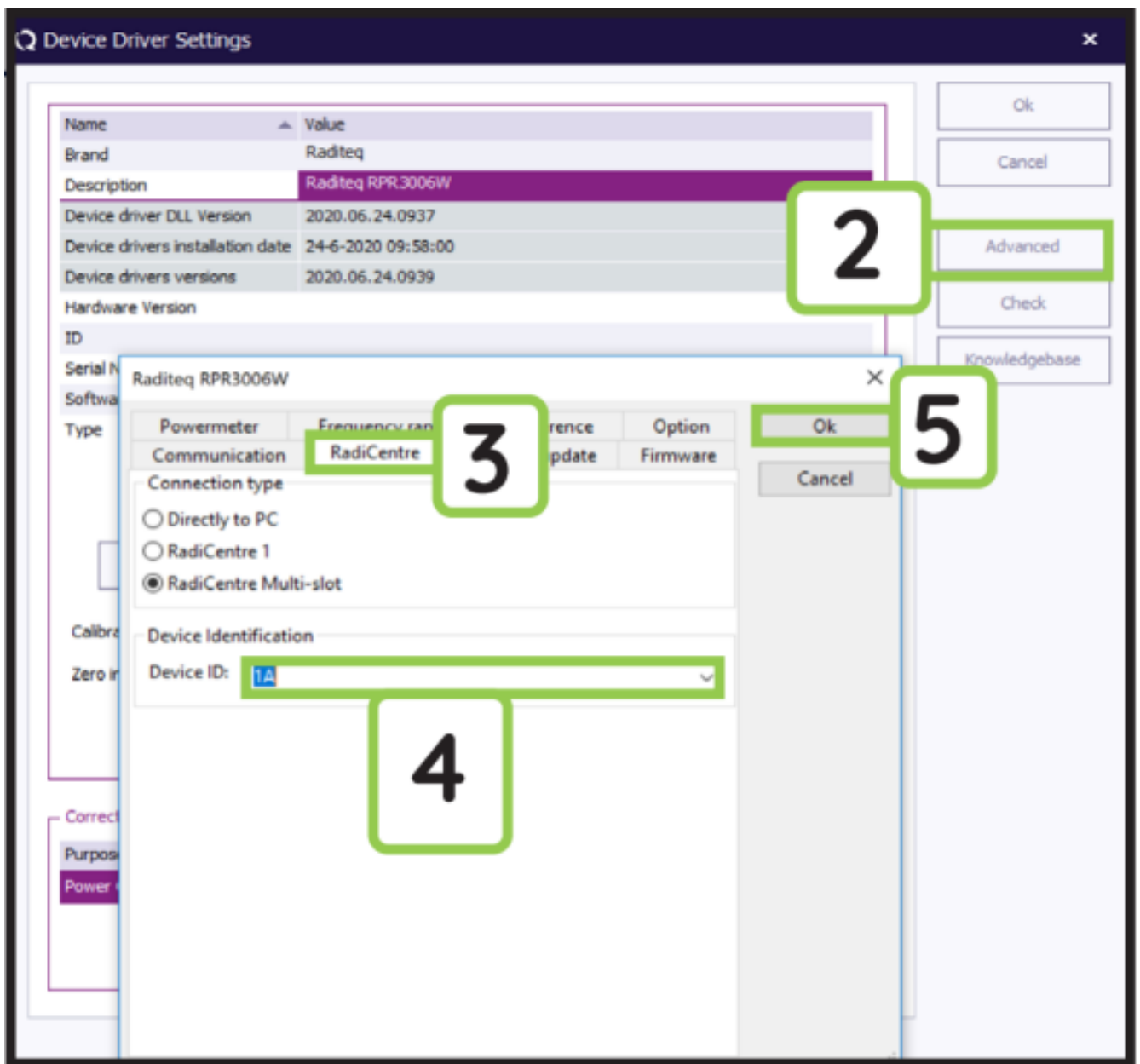
How to configure the RadiPower® in RadiMation®

1. Start the latest version of RadiMation®; Download the at www.raditeq.com/radimation-download/.
2. Select the button `Device` at the top menu bar, followed by clicking `Configure`;
3. In the configuration screen select `Device Drivers` and select `Power meter` as driver type;
4. Click the `Add` button to open the selection of available drivers in RadiMation®;
5. Enter `RPR` in the search bar which will automatically show all available RadiPower® drivers;
6. Select the correct driver, double click it (Optional, rename it) and press `OK`.



Connecting the RadiPower® to the RadiCentre®

1. Select the recently added RadiPower® Driver
2. Select 'Advanced'
3. Click on the tab 'RadiCentre®'
4. Under device identification select the RadiCentre® slot number the RadiPower® plug-in Card is in
5. When the correct slot number is chosen continue to checking the RadiPower®



How to check if the RadiPower® is properly connected to RadiMation®

1. Select 'Devices' in the top menu bar
2. Open 'Device Drivers' and select Device driver Type: 'Power Meters'
3. Double click the recently configured RadiPower® or click 'Edit'.
4. Finally select the 'Check' button on the right side of the opened screen.
5. When correctly configured, RadiMation will notify you that the device is correctly installed.

Important information

When you need support with the configuration of your Radi-Product in RadiMation®, please consult the RadiMation® support team at: Support@radimation.com.

It is also advised to visit the RadiMation® Wiki page and the FAQ section, which can be found at:

<https://wiki.radimation.com>

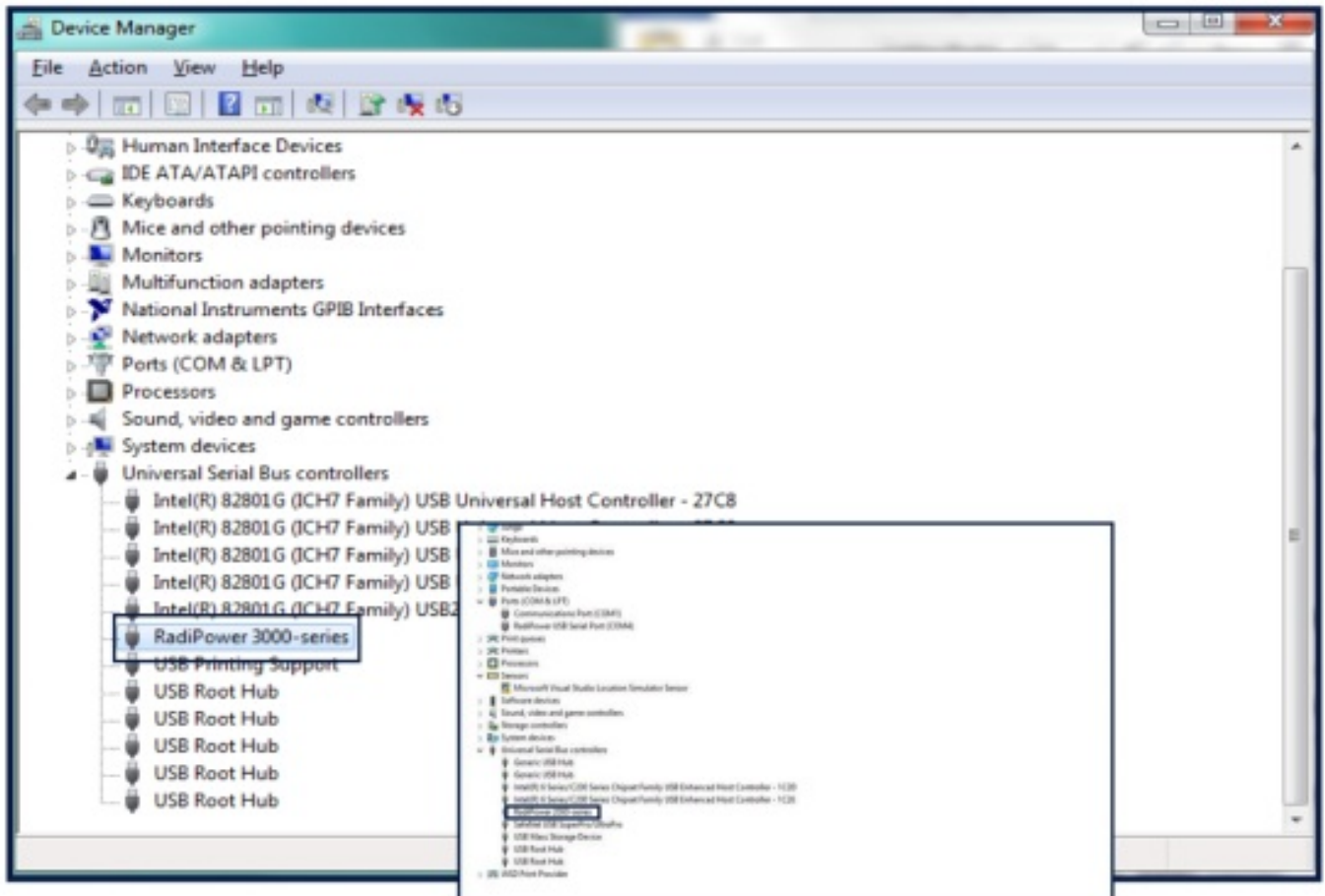
RadiMation® software can be downloaded at: <https://www.raditeq.com/emc-test-software/radimation-download>

Stand-alone Configuration








Connect the RadiPower® sensor to a Windows computer with a USB 1.1 compatible port. Use the supplied USB cable to connect the RadiPower® sensor. The hardware installation for the RadiPower® sensor is now complete.

Connect the RadiPower® sensor to a Windows computer with a USB port for `stand-alone' use. Use the supplied USB cable to connect the sensor to your computer. Windows will prompt that new hardware has been found. The USBdriver for the RadiPower® is Windows certified and will be loaded automatically from the Windows update. If the drivers are not loaded automatically, these can be installed manually from the supplied USB-key. Follow the normal instructions from Windows to install the drivers manually.

Once the drivers are loaded successfully, the RadiPower® will be shown in the device list.



Warnings and precautions

	Read the contents of this product manual carefully and become familiar with the safety markings, the product instructions and the handling of the system. Please refer to the applicable product manual(s) for further information regarding the operation and control of the product(s)
	This equipment is designed to be used as a plug-in card for the RadiCentre® series. Do not use this card on its own or in combination with any other mainframe. Using this product with any other mainframe can cause harm and will void warranty.
	Only Raditeq qualified maintenance personnel is allowed to perform maintenance and/or repair service on the equipment
	This product® contains materials that can be recycled and reused to minimize material waste. At the 'end-of-life', specialized companies can dismantle the discarded system to collect the reusable and recyclable materials. If your product is at its 'end-of-life', please return it to your local reseller or to Raditeq for recycling.
	Position the product in such a fashion that power cables are easily accessible or connect the equipment to a mains network that can be easily disconnected from the mains.
	This product contains no hazardous substances as described in the RoHS Directive (2015/863/EU)
	This product contains embedded software, which is field upgradeable from the RadiCentre® using the USB-A connection port on the backside panel of the RadiCentre®. For more information about updating your Raditeq plug-in card, please read the RadiCentre® manual.

Optimize your EMC test system

Configure your fully automated EMC test system with the extensive range of Raditeq products!
For more information about Raditeq's EMC and RF products, visit our website at www.raditeq.com

Raditeq Featured products



For all Manuals, Datasheets and Quick start Guides, please visit:

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Documents / Resources



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