



# Installation Guide

[www.wmicrotracker.com](http://www.wmicrotracker.com)

**Data acquisition system WMicrotracker**  
**Hardware version: WMTK09-R01**  
**Software version: WMTK V2.4 Rev.Beta (2011)**

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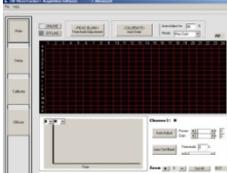
**For research purpose only. Not for human diagnostic.**

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Thank you for acquiring our wMicrotracker system. The following document should guide you through the installation process.

## **Packing List**

The system includes the following accessories:

	<p>Microplate reader system.</p>		<p>12V DC, 1.5Amp switching Power Source.*</p>
	<p>USB-RS232 cable adapter.</p>		<p>Microplate format adapters: -384 wells -96 w. flat bottom -96 w. "U" shaped bottom.</p>
			<p>Acquisition Software CD-ROM.</p>

\* Due to customs restrictions, in some countries the shipping might not include the power supply.

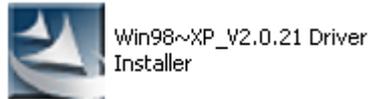
## **Installation and setup requires the following items:**

- 12V DC switching power supply with 1.5 Amps output.
- USB cable and OS drivers (Provided).
- IBM PC compatible with the following minimum requirements :
  - Pentium II processor or above (>1GHz clock).
  - 512Mb of RAM memory.
  - 1 USB port available.
  - DVD-ROM unit (optional)
  - Windows XP 32bits (or higher) operative system.
  - At least 200Mb of free HD space.
- Workbench space required for equipment installation: 22cmx28cmx9.1cm.
- Ambient free of vibrations and dust.
- Optimal temperature range: 10 to 28°C\*. Preferably low humidity (<50%).

\* This range is for equipment functionality only; biological samples might have unique temperature requirements.

## Step One, Software Installation

- Install the “USB-RS232 cable adapter” driver in the computer you plan to use for the data acquisition of your wMicrotracker system. You’ll find the driver at the “Driver USB-RS232 adapter” folder in your wMicroTracker CD or at our website. Within the folder there are two driver installation files, execute the one suited for your computer Operating System.



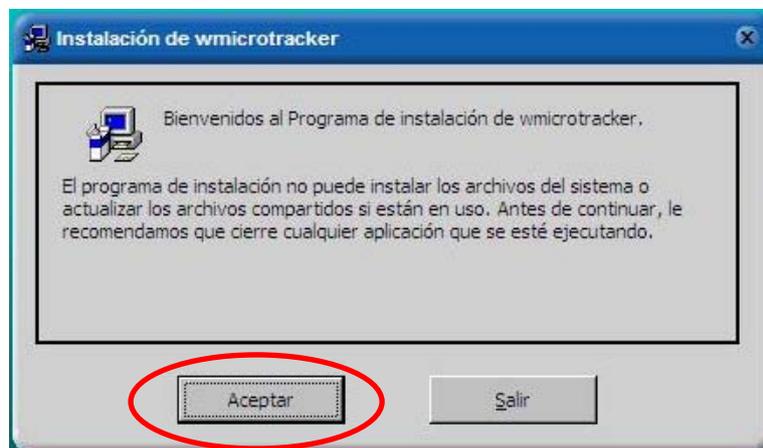
Windows 9x and XP Operating Systems.



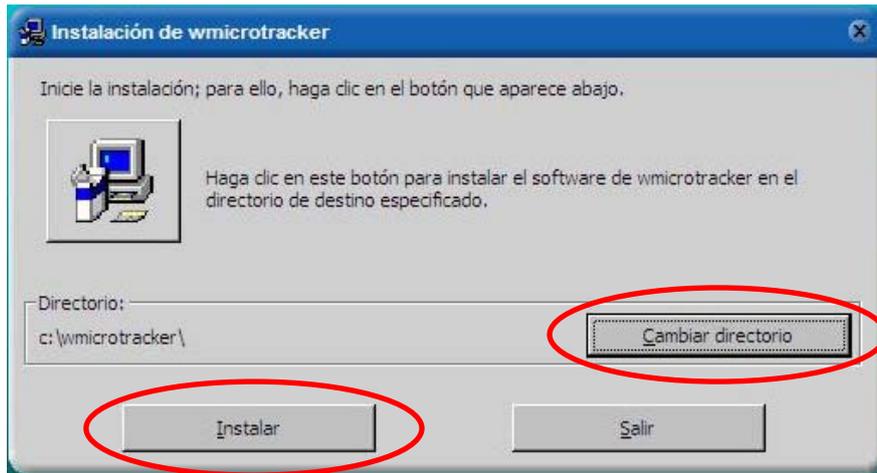
Windows Vista and Seven Operating Systems.

Note: If you like to check that the driver was properly installed and is working well please see point (3) of our *System Check-ups* document at your wMicrotracker CD or our website.

- To install the wMicrotracker Acquisition Software executes the “setup” file from your installation CD.
- At the welcoming screen, click on the “Aceptar” button.



- At the next screen choose the directory where you wish to install the software. To do so click on the “Cambiar directorio” button.
- Click the “Instalar” button to complete the installation.



- The following files will be copied to your HD:

wmtkr.exe	Main application
wmt_help.pdf	help file
setup.dat	Experimental setup
threshld.dat	Channel threshold values
groups.dat	Groups names
chgroup.dat	Groups of channels
status.dat	Channel status (enable/disable)
w96f.dat	384 channels setup for 96well flat bottom plate
w96u.dat	384 channels setup for 96well "U" shape plate
w384.dat	384 channels setup for 384well plate
Runtime files	Runtime for programming language
com32.ocx	communication protocol library

## **Step Two, Hardware Setup**

- Plug in your Power Supply to any regular Power Outlet and the output cable of the Power Supply to the back of your wMicrotracker at the socket marked "12V".



Power Supply Connection.

- When you connect the Power Supply to the equipment the green light on top of it should turn on and the blue light should flash three times (this is a system check of the microprocessor).



- Connect the RS232 end of your USB-RS232 cable adapter to the COMM PORT at the back of the equipment and the USB end the any free USB port on your computer.



COMM PORT.



USB-RS232 cable adapter.

## **Step Three, Running the Acquisition Software**

- Run the “wmicrotracker” executable file from the folder you chose at the installation step. If everything went well the application should start immediately and there shouldn't be a COM PORT ERROR pop-up, if you have any problem please check our *System Check-ups* document at your wMicrotracker CD, our website or feel to contact us directly.
- To learn how to setup and run an experiment see our *User Manual* at your wMicrotracker CD or our website.

**If you have any comment or problem just contact us to  
info@wmicrotracker.com.**

**Software and system updates available at [www.wmicrotracker.com](http://www.wmicrotracker.com)**