



A Research & Development Company

SCICON R&D, INC.

WWW.SCICONRD.COM

**Developers of the next generation of affordable signal analysis software
And portable multi-channel data acquisition systems for
PC & Mac.**

**XP, Vista, Win7 compatible
Snow Leopard and above is required**

PCquirerX / MacquirerX

SETUP

System components:



Hardware (X16 series only)



Connect the transducer interface (EIPF) to the main unit using the 8 pin mini DIN cable



Connect the nasal mask to the transducer interface channel 3 (nasal flow) using nylon tubing. The transducer connection is inside the unit to protect it. Care must be taken when connecting the tube.



Connect the main unit to a USB port of the host using USB cable.
Note: Do not make this connection prior to software installation. Failure to do this may prevent the host from recognizing the system.

Connect the power cable to the back of the main unit and plug to power outlet. This unit is capable of accepting power sources from 110-220VAC.

The battery backup is internal to the main unit and charges constantly while connecting to power source. Please charge the batteries for full 15 hours before battery operation usage.

Software

Go to www.sciconrd.com and navigate to the download page. Find the latest version of PCquirerX or MacquirerX. Download and install. Use the serial number that was sent via email to register your software.

Do not plug the system to the host prior to installing the software and rebooting your computer.
Failure to do so may prevent your computer to recognize the system.

Upon first start, the registration box will appear. Fill out all the information and press “Register”. Upon successful registration, your software will permanently remain active until, it is removed by user.

You may move the registration from one computer to another.

User Information and registration

User Name : (enter your account username)

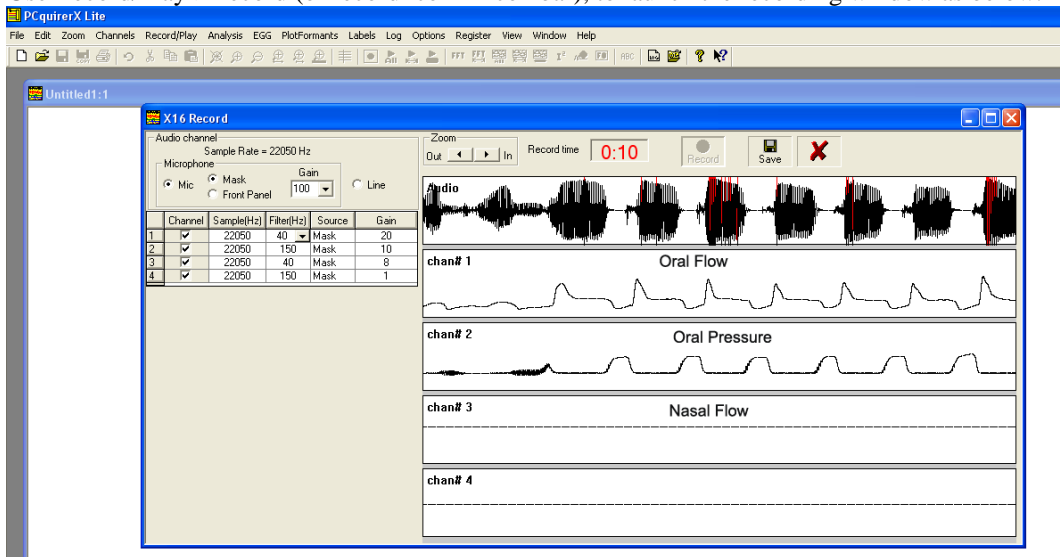
Serial number : (enter serial number)

Computer Name: (enter a unique name for your computer)

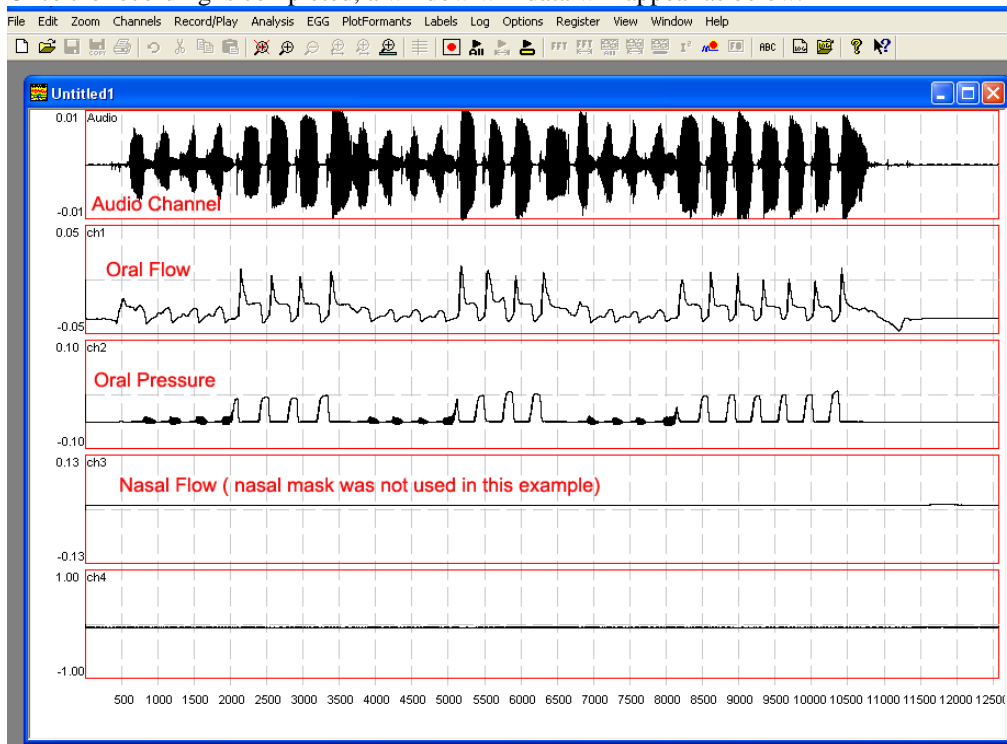
User name, is your username when you registered for an account in www.sciconrd.com
Serial number, cut and paste from the email you recieved.
Computer name, give a unique name to your computer.

Make your first data file

- Start PCquixerX/MacquixerX, you should get a blank window, untitled1.
- Use Record/Play->Record (or record icon in icon bar), to launch the recording window as below.



- A scope type showing the real time data stream. Adjust gains, filter for various channels. When ready to record, press “Record” button. The “Record Time” counter will increment. You may adjust gains and filter anytime as recording progresses. Press “Save” button to save the data or “Cancel” to cancel the recording.
- Once the recording is completed, a window will data will appear as below.



- The status window will show the data values in a floating window

StatusWindow::Untitled1							
Cursor(ms):		11910.5		Duration (ms):			
	Signal Name	Sample Rate	Filter Rate	Gain	Reference	Value	Unit
1	Audio	22050.0	10000.0	100.0	0.00	-0.000	
2	ch1	22050.0	10000.0	20.0	0.00	-0.035	normalized
3	ch2	22050.0	10000.0	10.0	0.00	-0.051	normalized
4	ch3	22050.0	10000.0	8.0	0.00	0.013	normalized
5	ch4	22050.0	10000.0	1.0	0.00	-0.060	normalized

- Save the file with a new name and repeat the process for other files.