Spirometry

HOW TO INSTALL SPIROMETER

**Before install the Nasiff CardioCard products and the
o make sure you turn of your security, fire wall
real-time protection

**Before connecting MiniSpir to a PC, the software must be
on the PC in order to interface it with the device

**If your IT Department is changes on your
make sure they inform you when they are
CardioCard completely to make sure

- Insert the Nasiff Cardio Card CD

- Open up the program

- Go to the folder called SpiroMirInstall

- Click on setup.exe

- Click on Run

Open File - Security Warning

The publisher could not be verified. Are you sure you want to run this software?

Name: C:\cardio633\SpiroMirInstall\setup.exe
Publisher: **Unknown Publisher**
Type: Application
From: C:\cardio633\SpiroMirInstall\setup.exe

[Run] [Cancel]

☑ Always ask before opening this file

This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust.
How can I decide what software to run?

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INSTALLING SPIROMETER

Select English then "OK"

Click "Next"

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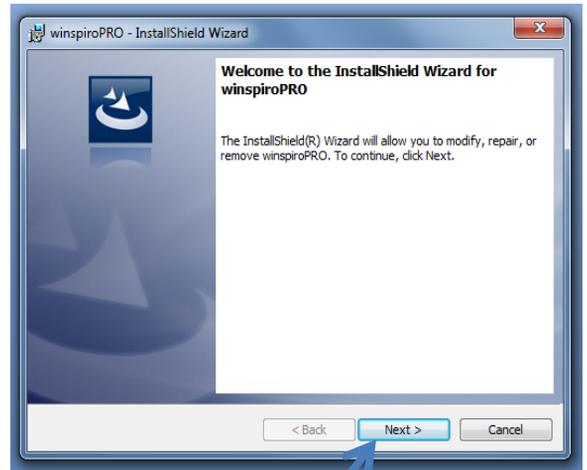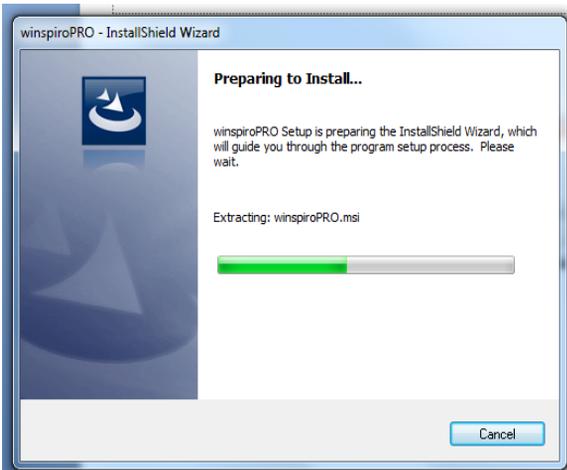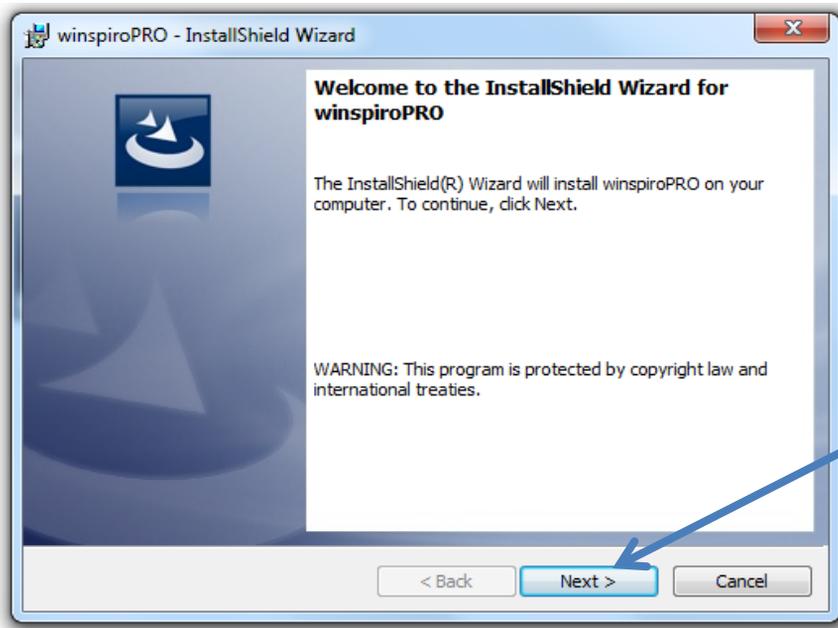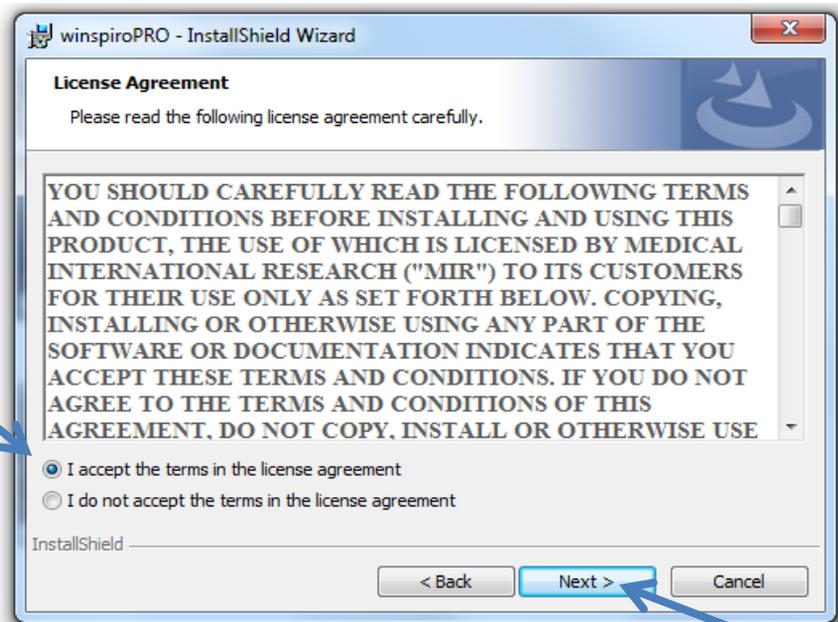
Click "Next"

Click "I accept
the terms in the
license
agreement"

Click "Next"

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Select "winspiroPRO"
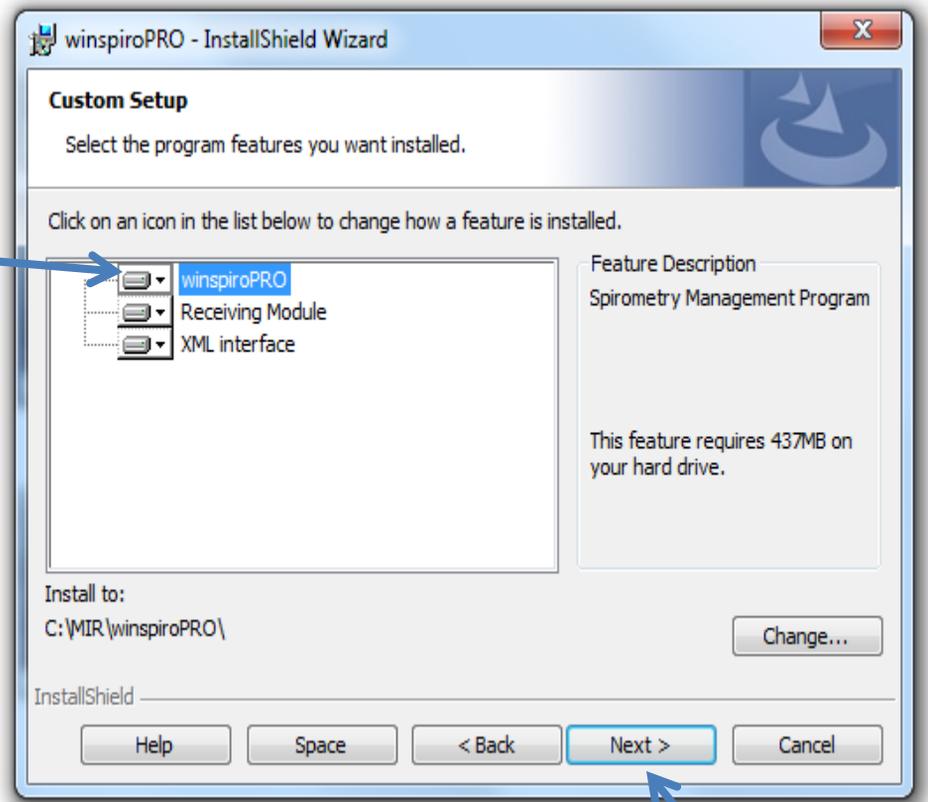
Click "Next"

Click "Install"

Click "Finish"

Your CCW 8 ion R \ U -u-k
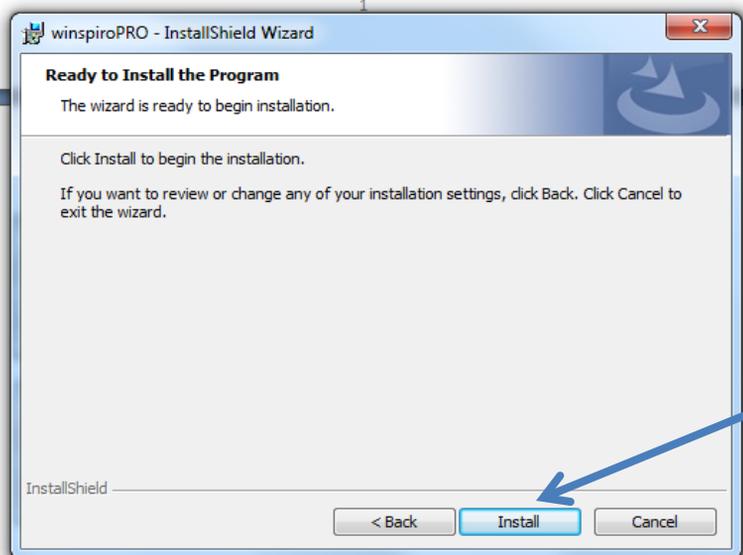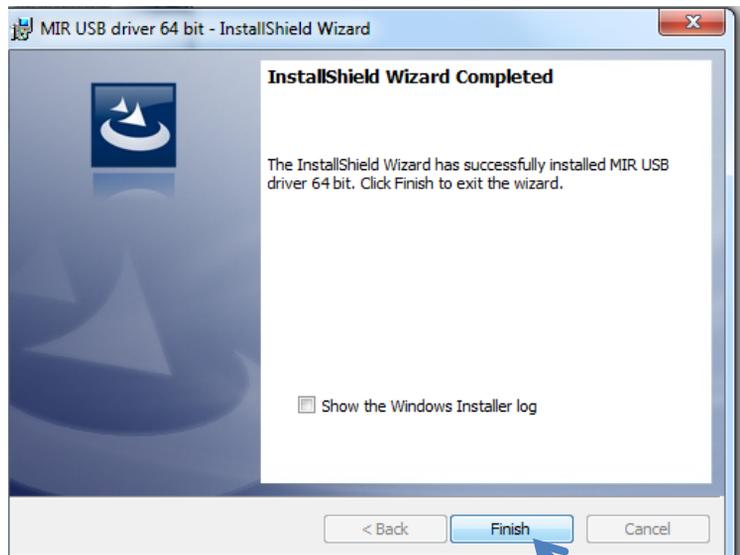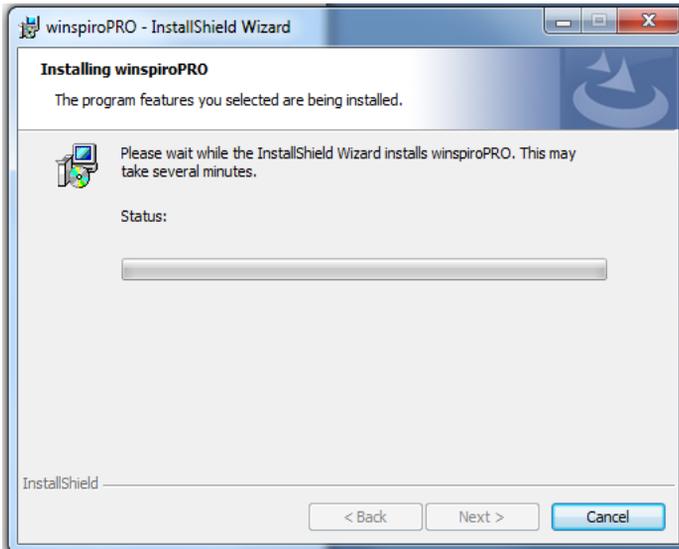
On your desktop
click on "winspiroPRO"
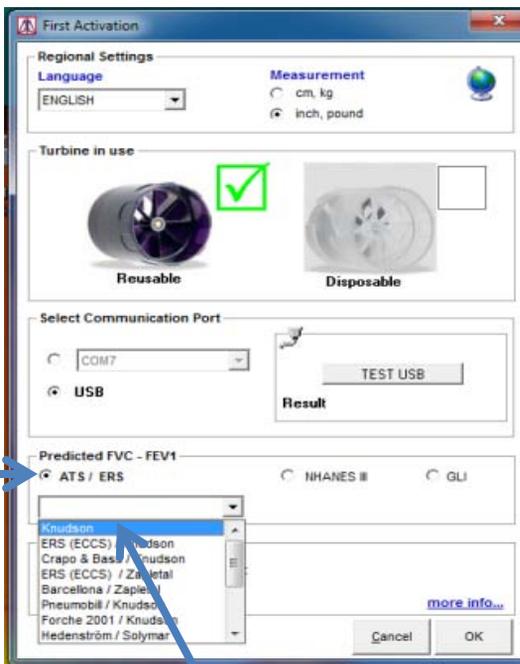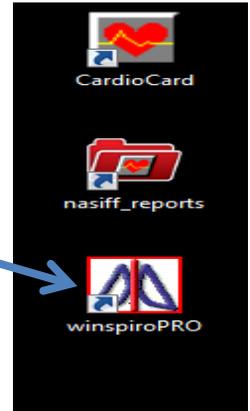
Select ATS/ERS

Select "Knudson"
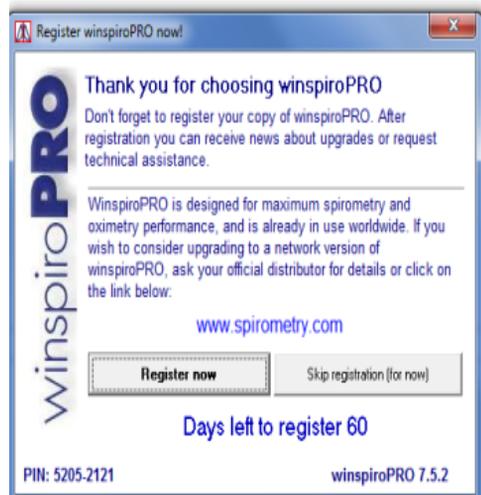
Make sure to Register

Your WinspiroPRO HL7 Hookup
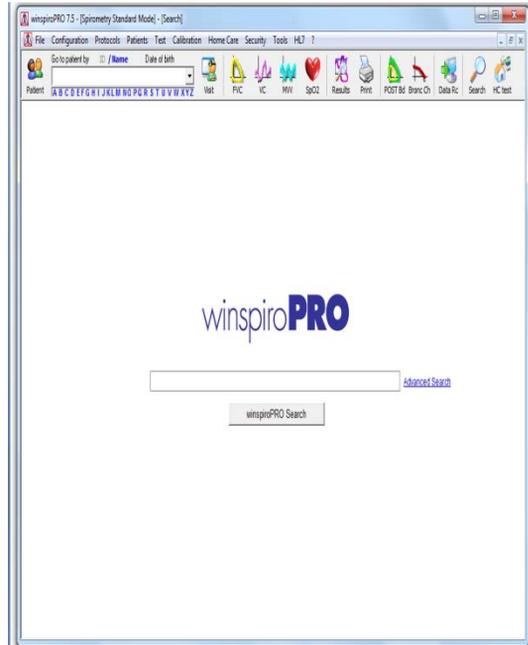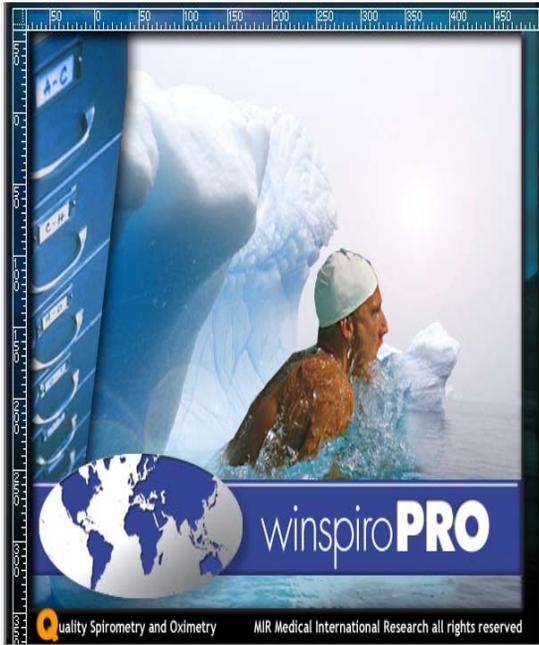
Click on "HL7"

Select "Configure HL7 communication"
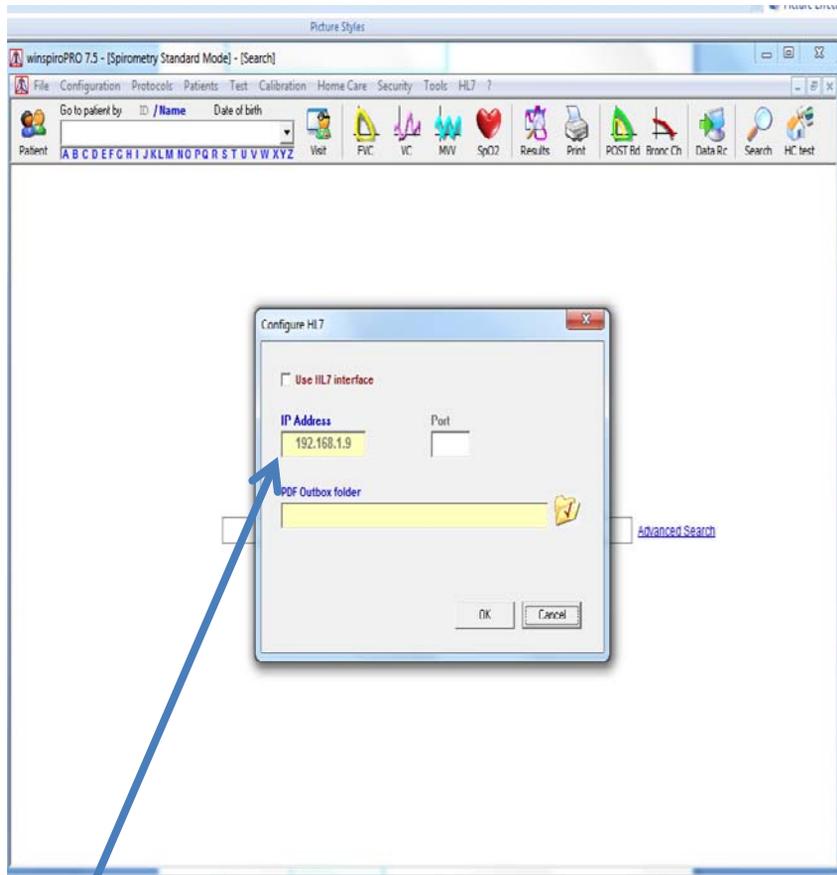
Make note on your IP Address example:
192.168.1.9 will need this to put in the
Nasiff CardioCard Program.

You Only Have to do This Once

Select "use HL7 interface"

Put in Port # 7080
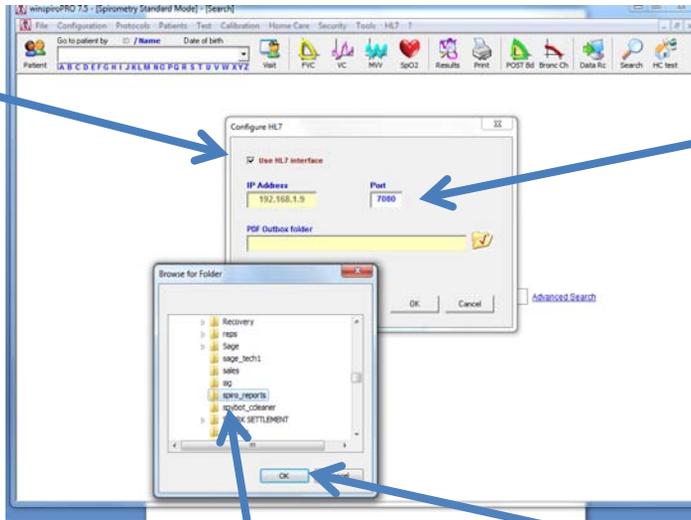
Browse to your "C" Drive and select "spiro_reports" then Click"OK"

Click "OK"

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Click "Yes"
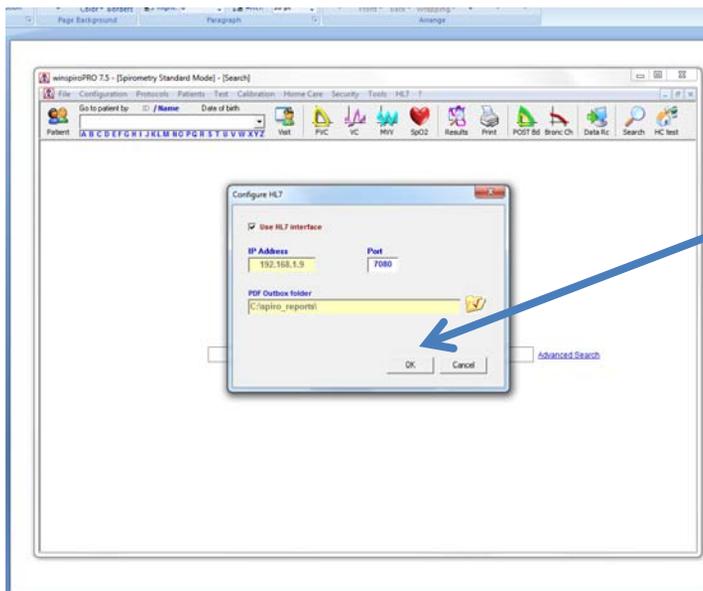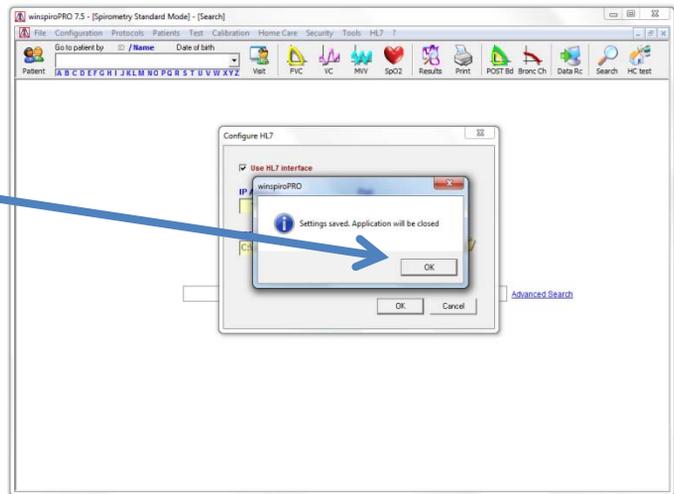
Click "OK"

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(1) Click on "System Setup", then Multi-Test
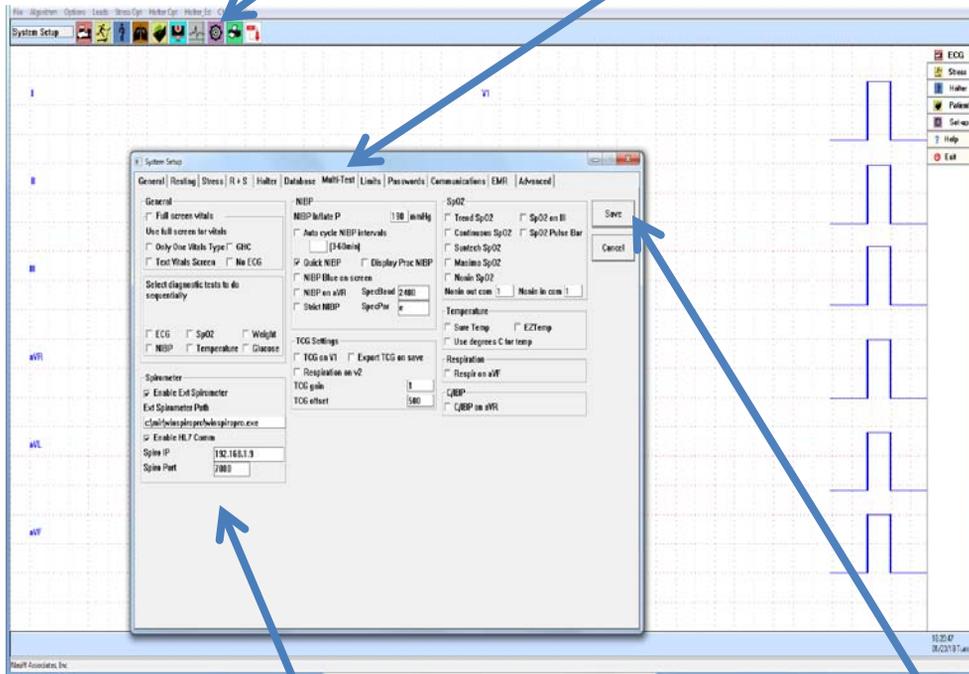
(2) Check "Enable Ext Spirometer"
Enter Ext Spirometer Path as "c:\mir\winspiropro\
winspiropro.exe"
Check Enable HL7 Comm
Spiro IP Number example: 192.168.1.9
Spiro Port # is "7080"

(3) Click
"Save"

(4) Plug the USB cable of the spirometer into your computer. When
initially making a connection, the PC will either make an automatic
driver installation or request some information.

You Connecting
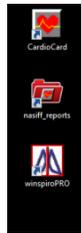
Click on the
"Spirometer Icon"

Click on
"Configuration"

Then click on
"Option"
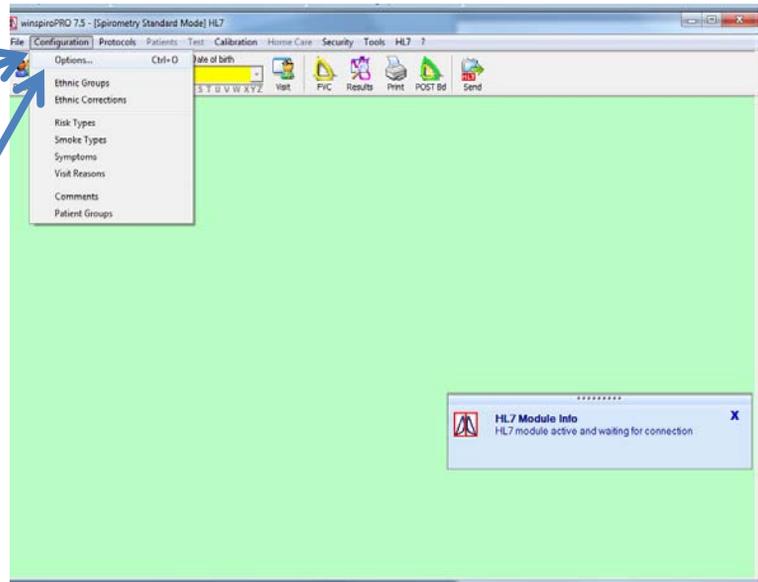
Under the General tab make
sure language is correct,
measurement is inch, pound
is selected.   Make sure Under
Turbine in use is correct
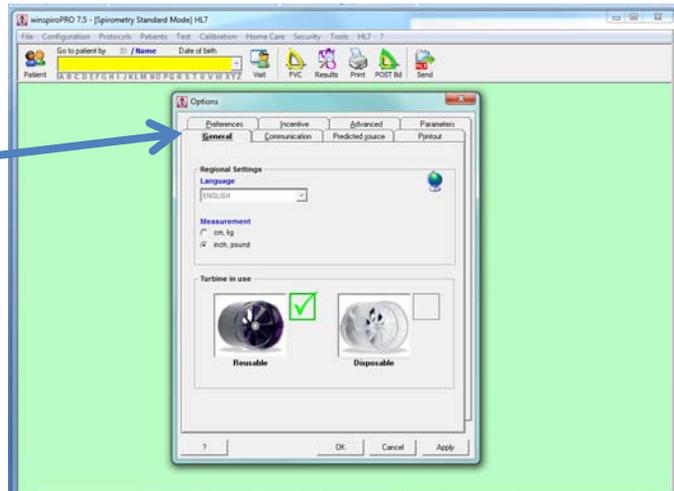
Your MSS 8 ohmR \ U -u- k
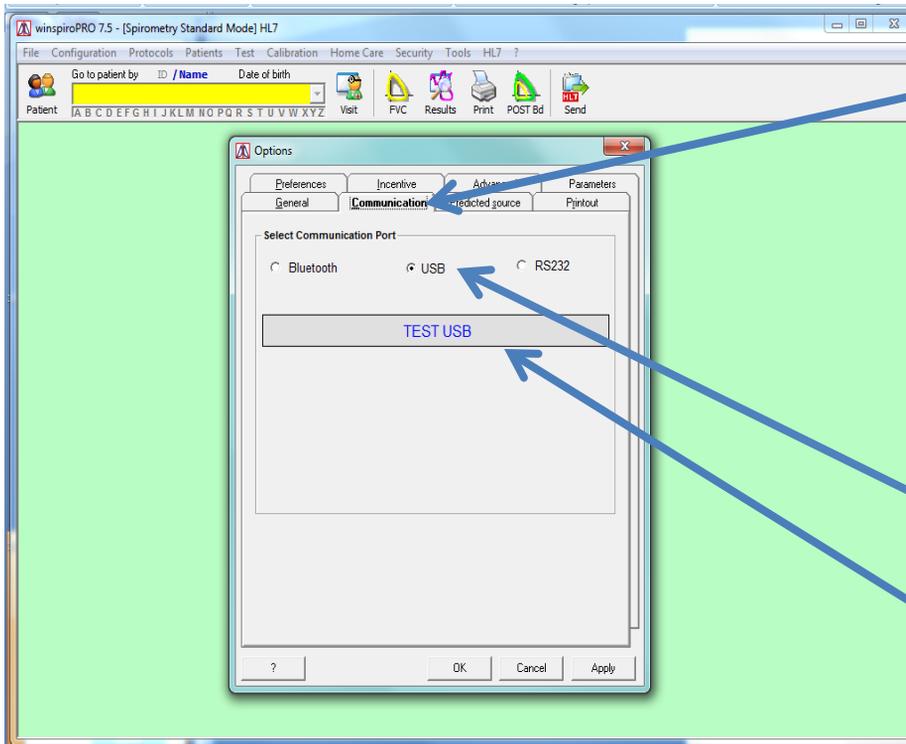
Click
Communication
Tab

Select
communication
Port "USB"
Then Select
"TEST USB"

Once
Connected
click "Apply"
Then "OK"
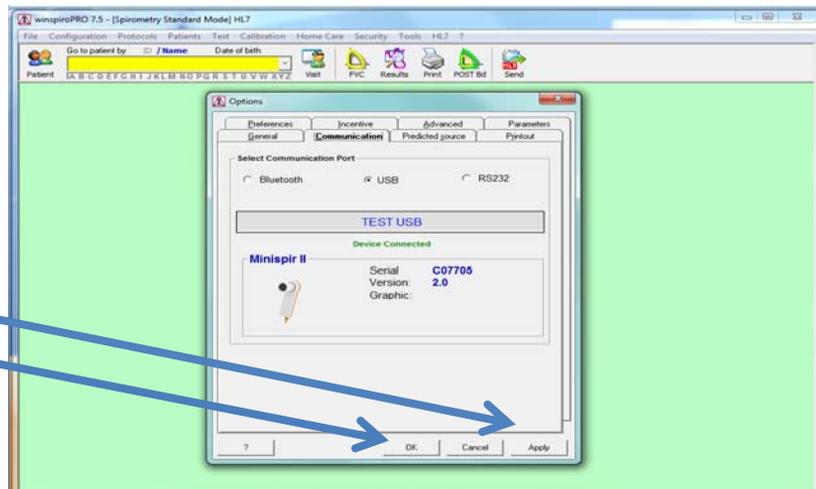
SPIROMETRY TEST

The device must only be used by qualified personnel with complete knowledge of spirometry; this is important for the correct execution of the tests, for the acceptability of measured parameters as well as for the correct interpretation of results.

For correctly carrying out a spirometry test, it is strongly recommended to carefully follow the instructions as described below.

Insert the mouthpiece supplied into the hollow part of the turbine by at least 0.5 cm.

Fit the nose clip onto the nose of the subject to ensure that air cannot escape through the nostrils.

Hold **MiniSpir** in one hand as you would a cell phone. The side with the **ID** label should be in the hand of the user.

Insert the mouthpiece well into the mouth beyond the teeth, being carefully to ensure that air cannot escape from the sides of the mouth.

It is suggested to make testing in a standing position and during an expiration lean forward, in order to help the expiratory action with a compression of the abdomen.

WARNING
Do not touch the USB cable during a test to avoid interfering with the transfer of data to the PC or stopping a test too soon.

Please note it is indispensable for an accurate spirometry that all air must be expired from lungs. It is important to stress that the disposable mouthpiece and turbine must be changed at the end of each test.

After 6 seconds from the initial forced expiratory **MiniSpir** emits a continuous beep,. This is useful to the doctor to understand if the patient has reached the minimum expiry time pursuant to the requirements as set forth by the major international associations of pneumology.

SPIROMETRY TEST

Open Nasiff Cardio Card
Click on the Icon

Click on the Spirometer Icon
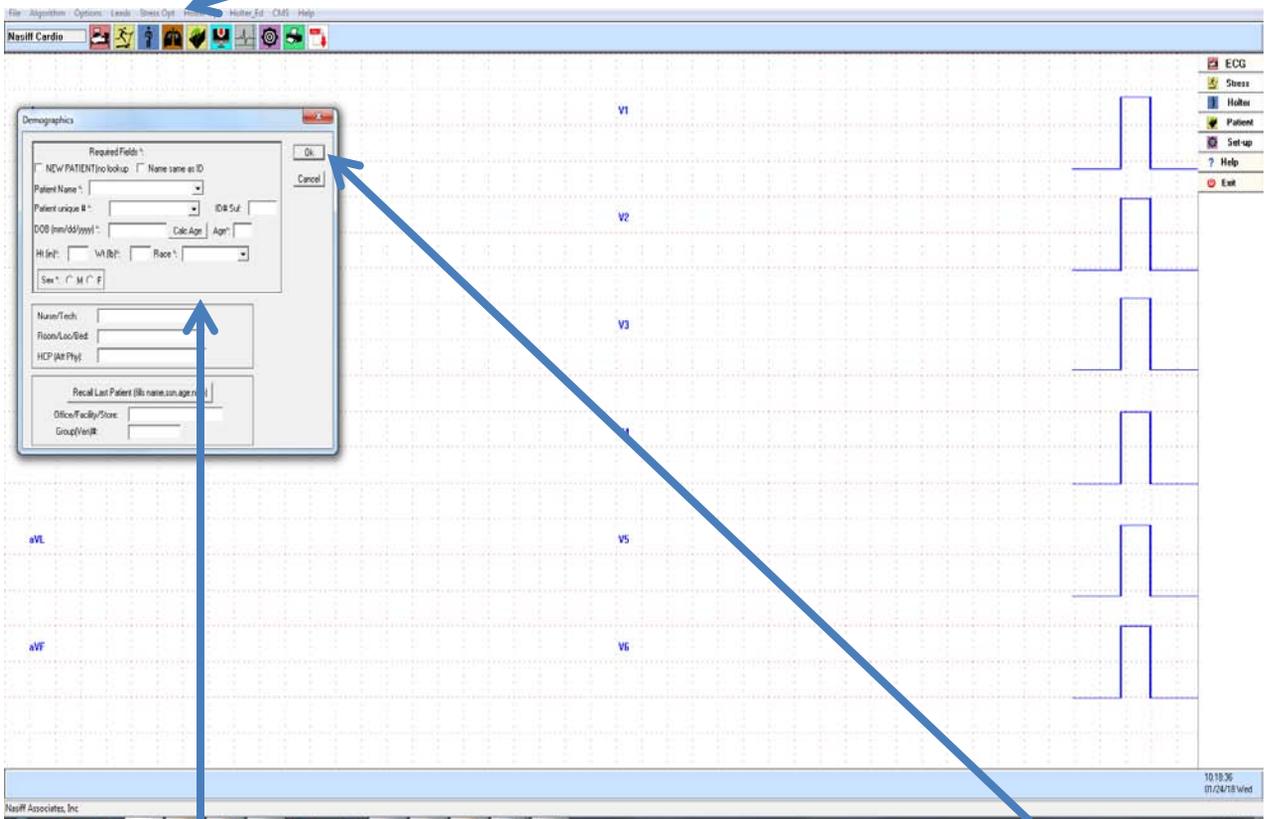
Then click "OK"

Fill in Demographics
(8 Required Fields
marked with *)

START TEST

Click on "FVC" to start the test

Then have the patient blow into the spirometer

HL7 SEND

When done with the test click "HL7 Send"

VIEWING THE SPIROMETER TEST