



A Medical Technology Channel Solutions Company

DIAGNOSTIC TESTING FACILITIES

OVERNIGHT OXIMETERS

HOME SLEEP TESTING



## VPOD Ultra with GSI Best Practice Guide



VirtuOx Inc. has received full accreditation by The Joint Commission as an Ambulatory Care Sleep Diagnostic Center.



# Has technology evolved over the past 12 years?

**2000**



**2012**



**Motorola Talkabout T8160**

**Apple iPhone 4**

**2000**



**2012**



**Comodore Amiga 2000**

**Apple iPad**

**2000**



**2012**



**Sony PlayStation**

**X Box with Kinect**

**2000**



**2012**



**Panasonic rear projection TV**

**Haier Translucent TV**

# Why are these oximeters still using the same technology from 2000?

**2000**



**Nonin 8500 Palm Sat /  
Respironics 920M**



**Nonin 2500 Palm Sat /  
Respironics 920MP**



**2012**



**Nonin 8500 Palm Sat /  
Respironics 920M**



**Nonin 2500 Palm Sat /  
Respironics 920MP**

## Inherent problems with the 920M / 920M Plus



### **NO Data to Upload**

When the batteries are removed or die the memory gets erased automatically. Patients steal batteries, devices fall on ground spilling out the batteries and batteries die all the time. When this occurs your center has to re-deliver the device

### **Bad Date / Time**

When the batteries are replaced in between patients the date and time reset back to the default 1/1/2004. The center now has to physically set the time and date for each patient. If the center does not remember to do this and acquires data the upload will fail. When this occurs your center has to re-deliver the device..

### **No Good Study Indicator**

When you pick up device you have no way of knowing if there's sufficient data on the device to get a successful upload. Patients do not always remember to properly turn on device or wear device at least 2 or more hours. When this occurs your center has to re-deliver the device.

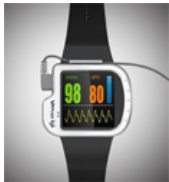


Your new VPOD with Good Study Indicator or (GSI) has new technology that will 100% eliminate all failed uploads that normally would need retesting.

This could save your company potentially thousands of dollars each month.

It is vital you use this device correctly to save un-needed trips to patients home.

### **Product Key Features:**



- Good Study Indicator will tell pt how many hours, minutes and seconds they used the previous night
- Memory / time / date store in between battery removal unlike 920m/920mplus
- Set time / date thru website or thru device
- Measures SPO2 / HR in High Resolution Pulse Oximetry which is the GOLD standard in sleep labs
- 60 hours of internal memory
- 24 hours of battery life with rechargeable Lith Ion

## Key steps to a successful upload every time:



- **Clear Memory after each upload**
- **Sync time / date after each upload**
- **Print correct patient instructions every time**
- **Call patient before driving out to pick up device.**



- Verify there is enough data on device per physician preferences
- If there is not enough data ask patient to wear device again and repeat phone call prior to pick up
- This feature will display when device is turned off

# Step 1 Download USB Drivers



**From any VirtuOx page hover over Products, select VPOD Drivers**

## Step 1 Download USB Drivers



Thank you for your purchase.

Please use the below link to download the driver for the USB Download cable.

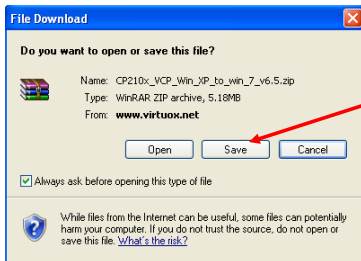
This driver will work for all VPOD units, However requires a minimum of Windows XP Service Pack 2 and Internet Explorer 7.0 or newer. Those with older Operating systems please contact [techsupport@virtuox.net](mailto:techsupport@virtuox.net) for assistance

[Click here to Download the CP210x Driver](#)

**Click here**



# Step 1 Download USB Drivers



**Save to desktop**



CP210x\_VCP\_Win\_XP\_to\_win\_7\_v6.5.zip

**Double click, install and  
agree to all prompts**

**After install, reboot PC**

# Step 1 Download USB Drivers

Plug USB cable into PC and VPOD W, you should see message display in bottom system tray



## Step 2: Clear Memory / Set Time & Date

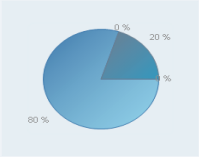
Click on Device Admin

- › *Training Docs*
- › Dashboard
- ▼ Testing
  - Schedule Test
  - Print AOB/Upload
  - Archived Results
  - Patient Database
  - Physician Database
- ▼ Document Center
  - Patient Instructions
    - English
    - Spanish
  - Reprint Patient Docs
  - Physician RX
- ▼ POX Reports
  - Top 10 Referrals
  - Patient List
  - Physician List
  - Upload Activity
- ▼ Administration
  - Device Admin


### Executive on Demand Dashboard

From  To


Overnight Oximetry Order Statistics		Overnight Oximetry Completed Orders	
<a href="#">Orders Pending</a>	26	<a href="#">Group I Qualifiers</a>	4
<a href="#">Orders Entered</a>	24	<a href="#">Group II Qualifiers</a>	0
<a href="#">Orders Completed</a>	5	<a href="#">Non Qualified</a>	1
<a href="#">Re-tests Completed</a>	0	<a href="#">Borderline Qualifiers</a>	0
Average Days Pending	11		




0 %	20 %	%	80 %
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[Pediatric Finger Clip Probes](#)



[Wrap Probes](#)




[VPOD Mini](#)


## Step 2: Clear Memory / Set Time & Date


Choose correct device, click next


**Administration: Oximeter Selection**


Please select an oximeter, then click next button to go to the administration page...


 VPOD Ultra

 WristOx II

 VPOD-Wrist HD

 WristOx

 VPOD-Handheld 2




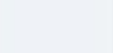
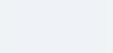
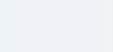
 VPOD-Handheld

[Next](#)

**Left Sidebar:**

- [Application](#)
- [Dashboard](#)
- [Tooling](#)
- [Schedule Test](#)
- [Print/CSV Upload](#)
- [Archived Results](#)
- [Patient Database](#)
- [Physician Database](#)
- [Document Center](#)
- [Patient Instructions](#)
  - [English](#)
  - [Spanish](#)
- [Support/Patient Docs](#)
- [Physician RX](#)
- [PC/CR Reports](#)
- [Tag 10 Materials](#)
- [Patient List](#)
- [Physician List](#)
- [Upload Facility](#)
- [Administration](#)
- [Device Admin](#)

**Right Sidebar:**

-  [VPOD Ultra](#)
-  [WristOx II](#)
-  [VPOD-Wrist HD](#)
-  [WristOx](#)
-  [VPOD-Handheld 2](#)
-  [VPOD-Handheld](#)

## Step 2: Clear Memory / Set Time & Date

One Time Only: Determine your COM port for all future use

Select COM Port drop down.  
Take note of options

Unplug your device, hit screen  
refresh on your Internet  
Explorer or F5.

The screenshot shows the 'Device Admin' page. On the left is a blue sidebar with navigation links: Training Tools, Dashboard, Testing, Schedule Test, Print AOB/Upload, Archived Results, Patient Database, Physician Database, Document Center, Patient Instructions, English, Spanish, Repeat Patient Docs, Physician RX, POX Reports, Top 10 Referrals, Patient List, Physician List, Upload Activity, Administration, and Device Admin. The main content area has the title 'Device Admin' and a sub-header 'Device date/time:'. Below this is the text 'Device details: VPOD-Wrist HD'. The 'COM Port' dropdown menu is open, showing 'COM1' as the selected option and 'COM3' as another available option. A red arrow points to the 'COM1' option. At the bottom are three buttons: 'Get Date & Time', 'Set Date & Time', and 'Clear Memory'.

Select COM Port drop down  
again, take note of the COM  
Port that disappeared.

Plug device back in, hit screen  
refresh on Internet Explorer or  
F5. COM Port will reappear for  
usage

This screenshot is identical to the previous one, showing the 'Device Admin' page with the 'COM Port' dropdown menu open. However, after a refresh, the 'COM3' option has disappeared from the dropdown list, leaving 'COM1' as the only visible option. A red arrow points to the 'COM1' option. The buttons 'Get Date & Time', 'Set Date & Time', and 'Clear Memory' remain at the bottom.

## Step 2: Clear Memory / Set Time & Date

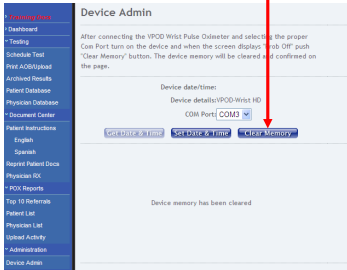
After every upload remember to Clear Memory. The Time / Date stores between battery removal but a simple click will auto update device.

**Click Select Set / Time & Date**



The screenshot shows the 'Device Admin' page. On the left is a blue sidebar with navigation links: Training Docs, Dashboard, Testing, Schedule Test, Print AOB/Upload, Archived Results, Patient Database, Physician Database, Document Center, Patient Instructions, English, Spanish, Reprint Patient Docs, Physician RX, POX Reports, Top 10 Referrals, Patient List, Physician List, Upload Activity, Administration, and Device Admin. The main content area has a title 'Device Admin' and a paragraph: 'After connecting the VPOD Wrist Pulse Oximeter and selecting the proper Com Port turn on the device and when the screen displays "Prob Off" push "Clear Memory" button. The device memory will be cleared and confirmed on the page.' Below this is a form with 'Device date/time:' and 'Device details:VPOD-Wrist HD'. A dropdown menu for 'COM Port' is set to 'COM3'. There are three buttons: 'Get Date & Time', 'Set Date & Time' (highlighted with a red arrow), and 'Clear Memory'. Below the buttons is a yellow button that says 'Set the device time to current time'. At the bottom, a message states: 'The date on the device has been updated.'

**Click Clear Memory**



The screenshot shows the 'Device Admin' page with the same sidebar and introductory text as the previous image. The 'Set Date & Time' button is now disabled and greyed out, while the 'Clear Memory' button is highlighted with a red arrow. The yellow button at the bottom now says 'Device memory has been cleared'.

## Step 3: Patient instructions / delivery / pick up process

**Click on VPOD from one of the Patient Instructions pages**

› *Training Docs*

› Dashboard

› Testing

Schedule Test

Print AOB/Upload

Archived Results

Patient Database

Physician Database

› Document Center

Patient Instructions

English

Spanish

Reprint Patient Docs

Physician RX

› POX Reports

Top 10 Referrals

Patient List

Physician List

Upload Activity

› Administration

Device Admin



Complete Overnight Oximetry and have the patient sign the AOB

**To Print Patient Instructions, click picture**







[Adult Rubberboot Probes](#)



[Wrap Probes](#)



[VPOD Mini](#)

# Step 3: Patient instructions / delivery / pick up process



## VPOD Ultra GSI® Patient Self Administered Overnight Oximetry

Oxygen Level

Bottom Button Turns On Device & Off Device

Program Button, Do not touch!

Heart Rate



### Patient Name:

This Oximetry test has been ordered by your physician to monitor your blood Oxygen levels while asleep. In order to obtain a quality test, it is essential that you closely follow these instructions. If you have any questions, you can contact VirtuOx at (877) 337-7111 for further assistance. **You must stay awake for the first 10 minutes of the test!**

VirtuOx is the testing facility that will process the results of the test you will be taking and forward them to your physician. Per Medicare guidelines, the company that delivers the testing device to you cannot assist with the performance or instruction of the test and can only act as the courier.

The DME that couriered the device is:

Phone:

Your physician would like you to test under the following Test Conditions:

- ☐ Overnight on Room Air  
☐ Overnight on Oxygen @ \_\_\_\_\_ LPM

- ☐ Overnight on APAP/ CPAP/ BiPAP  
☐ Overnight on Dental Device

### Step 1: Follow Test Condition above

It is suggested that you remove fingernail polish and coverings from the finger you will be using.

### Step 2: Sensor should be attached as shown below to device



### Step 3: Attach sensor to Index Finger, apply tape or Band Aid to secure sensor to finger



### Step 4: Put device on wrist, Hold down top button until powered on



### IF THE SENSOR FALLS OFF DURING THE NIGHT:

- 1) Replace the sensor on your finger
- 2) Check that the oximeter is on and displaying numbers. 3) If the oximeter is OFF, press the power button to turn it on.

### Step 4: Go to sleep, wear all night. Screen will dim to save power



If you wake during the night and need to get out of bed, please only remove the probe in case of Hygienic necessity.

### Step 6: In morning take device off, hold top button to power off. Call Write down Hours, Min, Seconds. Call DME above for pick up



The Probe may be used on any finger, please use the finger that it is most comfortable on and still receives a reading from the device.

Remind patient device will display the hours, minutes and seconds of usage when unit is powered On and Off

Before you drive out to patients house, call patient and inquire the amount of hours, minutes and seconds on device.

Please note unit will display total time recorded.

IE: 1<sup>st</sup> Night pt wore 42 minutes  
Pt instructed to wear device 2<sup>nd</sup> Night. When you call pt 2<sup>nd</sup> Night time and now there is 6 hours 42 minutes you should know Night 1 was 42 minutes, Night 2 there was 6 hours.

VirtuOx only bills One time no matter how many tests the pt takes!