



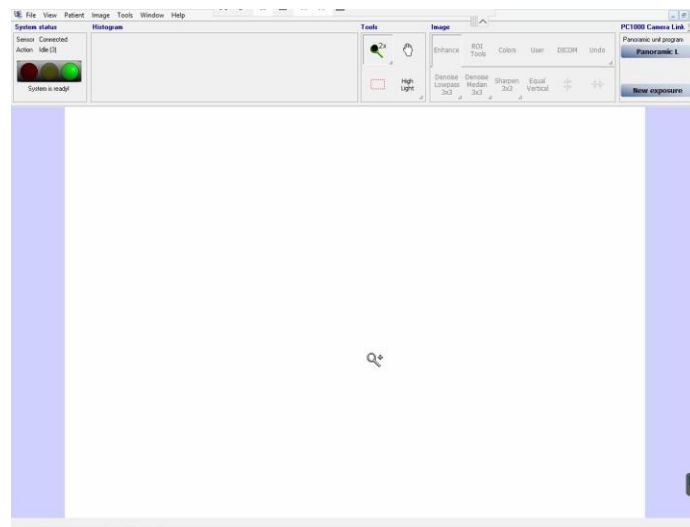
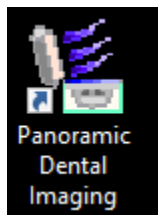
## COMPUTER SETUP INSTRUCTIONS

Whether you are upgrading or replacing your current dedicated panoramic x-ray machine computer; please follow these steps to ensure a successful transition to your new computer. Panoramic Technical Support can be reached at 800-654-2027 for any questions.

# PANORAMIC DENTAL IMAGING

## Computer & Software Setup Instructions

for a computer with Windows 10 Professional 64-bit



### Used with X-ray Machines:

- PC-1000 Digital
- PC-4000
- Envision P
- Envision C1
- Encompass HF-100 Eagle
  - Machine serial numbers K000001-K000400

## Pre-Setup – from the existing computer

Backup Calibration Files

Identify capture card

Computer Information

## Setup – on the new computer

Verify Computer Operating System & Type

Disable Sleep, Hibernate, & Fast Startup

Install Software - Panoramic Dental Imaging

Install or Configure Drivers for capture card

Restore Calibration Files

Verify or Configure Software Settings– Panoramic Dental Imaging

Adjust Image Appearance

## BACKUP CALIBRATION FILES

On the existing computer, backup the **calib & data** hidden folders:

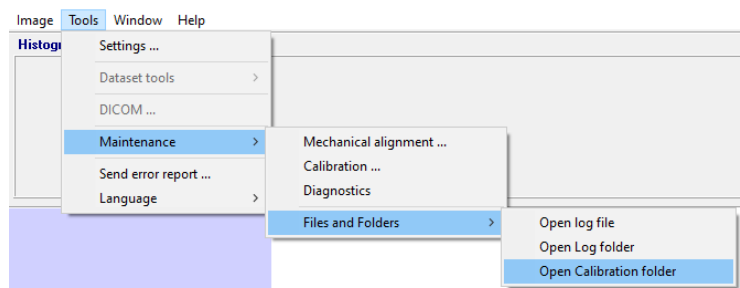
Required -- C:\ProgramData\Ajat\panoramic\calib\

C:\ProgramData\Ajat\panoramic\data\

Optional -- C:\ProgramData\Ajat\panoramic\datastor\

*Note: The datastor folder is used to reload **recent** images taken. It is not used as a long-term backup.*

Alternatively these folder can be accessed from the software under the Tools Menu. If calibration files are not available on the existing computer due to a computer issue/crash, then a new set of calibrations can be created by having an X-ray Technician visit your office. Call Support for details.



## IDENTIFY CAPTURE CARD

There are different generations of digital upgrades provided by Panoramic. See the below information to determine which interface card you have. You may also find this information within the Device Manager of the computer, under Imaging devices or Network adapters.



<b>Type</b>	PC2-Camlink	Epix EB1	Intel CT Desktop Adaptor
<b>Expansion Slot</b>	PCI	PCI Express x1 or x16 (use x16 slot for Windows 10)	PCI Express x1 or x16
<b>Size</b>	Full Height	Full or Half Height - call to order different size bracket	Full or Half Height - call to order different size bracket
<b>Compatible Operating Systems</b>	Discontinued Call Support for Details	Windows 7 or 10 32 and 64 bit	Windows 7 Pro 32/64 bit Windows 10 Pro 64 bit Only
<b>Used with Pano Machines</b>	PC-1000 Digital	PC-1000 Digital PC-4000	PC-1000 Digital PC-4000 Encompass HF-100 Eagle (2D & 3D CBCT) Envision P / Envision C1

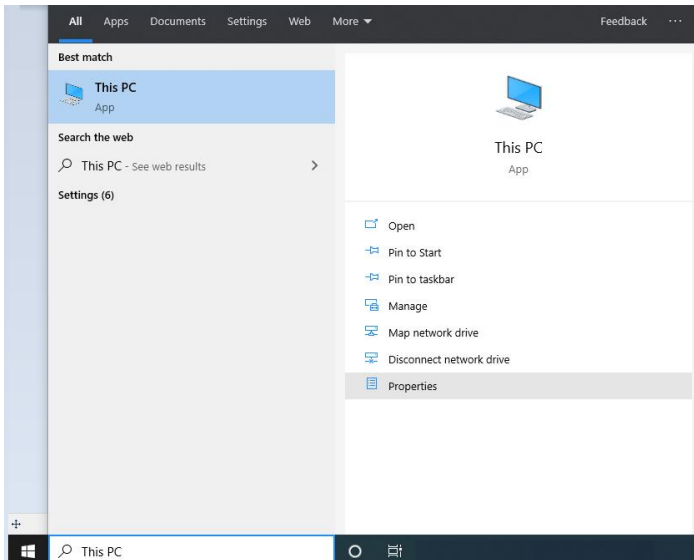
## COMPUTER INFORMATION

The PC used must be a Windows desktop tower. Mac computers & Mac OS not supported. Laptops & All-in-One computers will not work because the capture card must be installed in the next computer.

Processor (Intel Brand Required)	i5 6th Generation or later
RAM	8 GB
Hard Drive	500+ GB or greater, 7200 RPM or faster
One Available Expansion slot	PCI-Express x16

## VERIFY COMPUTER OPERATING SYSTEM & TYPE

From the Start Menu, type “This PC” and click on Properties



An Example is shown. Windows 10 Professional, 64-bit Operating System

Control Panel Home

- Device Manager
- Remote settings
- System protection
- Advanced system settings

[View basic information about your computer](#)





Windows edition

**Windows 10 Pro for Workstations**

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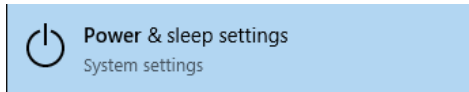
System

Manufacturer:	Dell
Model:	Latitude 5480
Processor:	Intel(R) Core(TM) i5-6440HQ CPU @ 2.60GHz 2.60 GHz
Installed memory (RAM):	16.0 GB (15.6 GB usable)
<b>System type:</b>	<b>64-bit Operating System, x64-based processor</b>
Pen and Touch:	No Pen or Touch Input is available for this Display

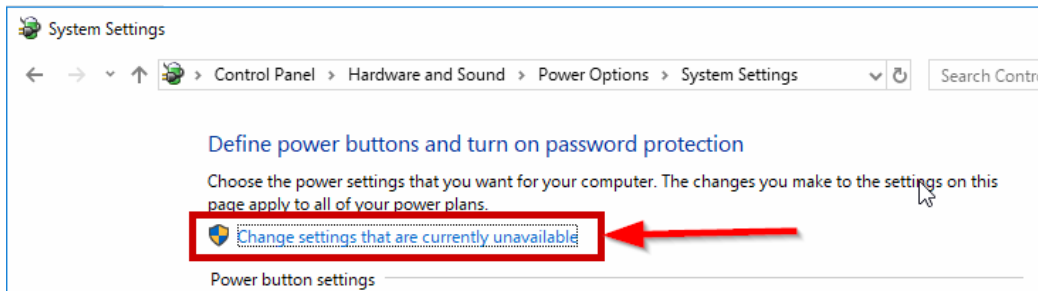


## DISABLE SLEEP, HIBERNATE, & FAST STARTUP

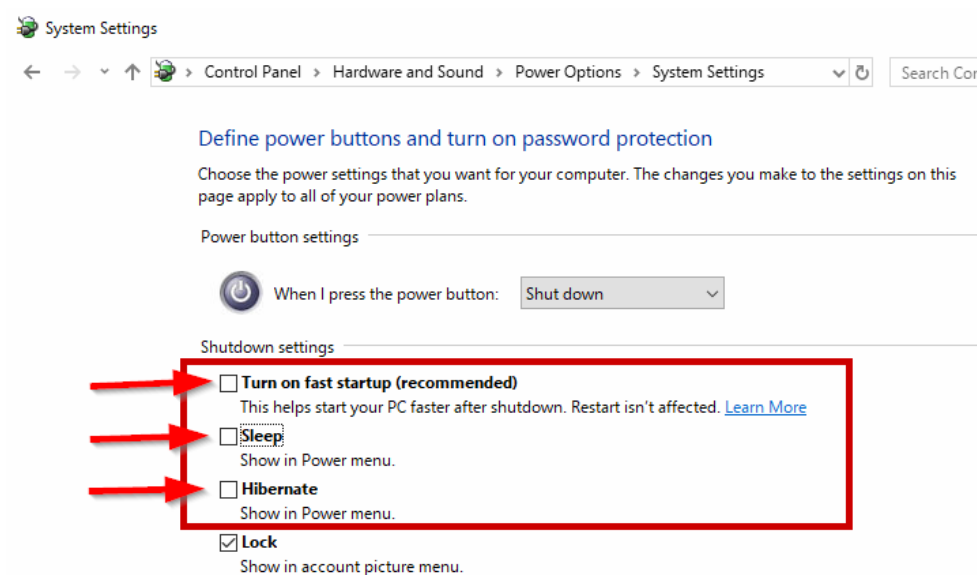
- a. If PC is windows 10, open the start menu and type “power” click on the “Power and sleep settings”.



- b. On the right side of the window, under Related settings, click “Additional power settings”.
- c. On the left side of the window, click “Choose what the power buttons do”.
- d. Near the top of the window click “Change settings that are currently unavailable”.



- e. Uncheck the boxes.



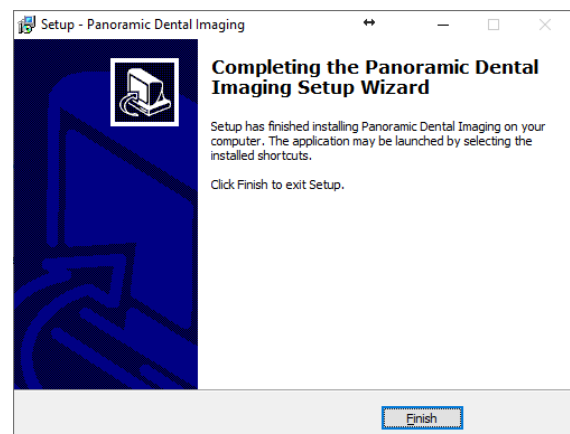
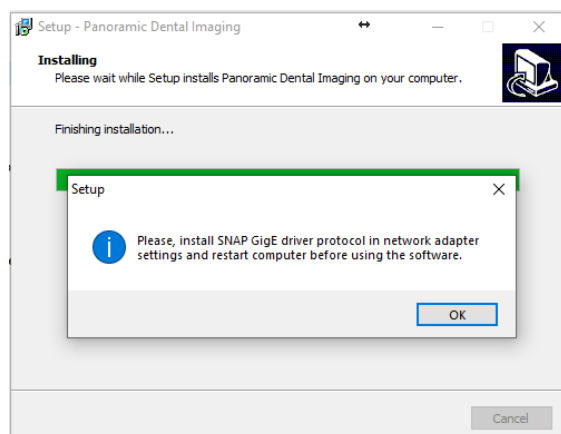
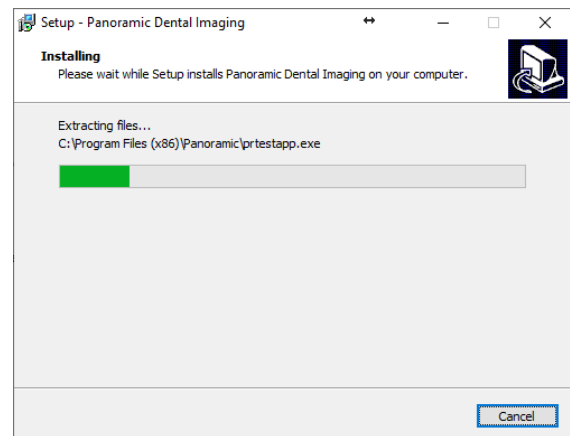
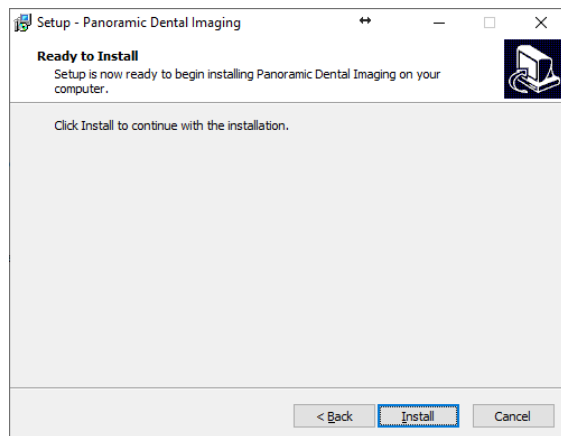
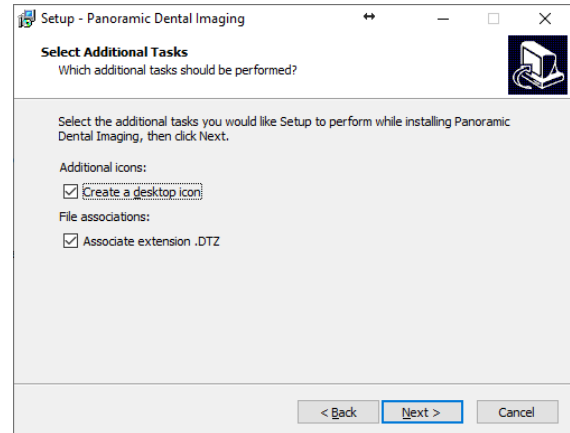
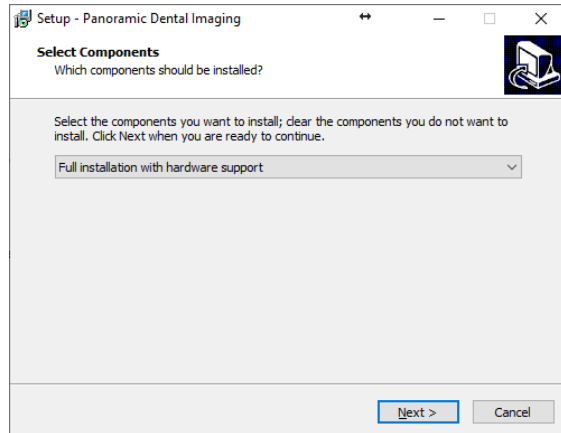


## INSTALL SOFTWARE - PANORAMIC DENTAL IMAGING SOFTWARE

*Note: If previously installed, or if this is an upgrade from Windows 7, make sure to uninstall any previous versions of the program, listed as Panoramic Dental Imaging, or formerly called Ajat Dental Imaging.*

Download and Run the software Installation. [Panoramic Dental Imaging 9.1.2.7600.exe](#)

Use the Default selections by clicking the Next buttons. Here are the screens to show the prompts.

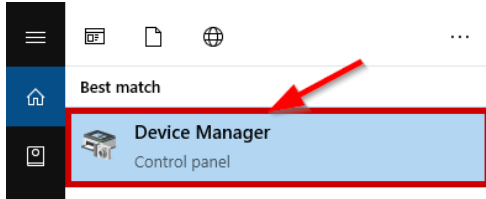


There are two primary capture card types used with the Digital Pano.

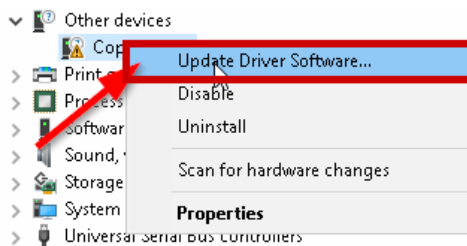
Follow the instructions below. Refer to Page 2 for familiarity on which capture card you have.

### INSTALL EPIX DRIVERS (IF APPLICABLE)

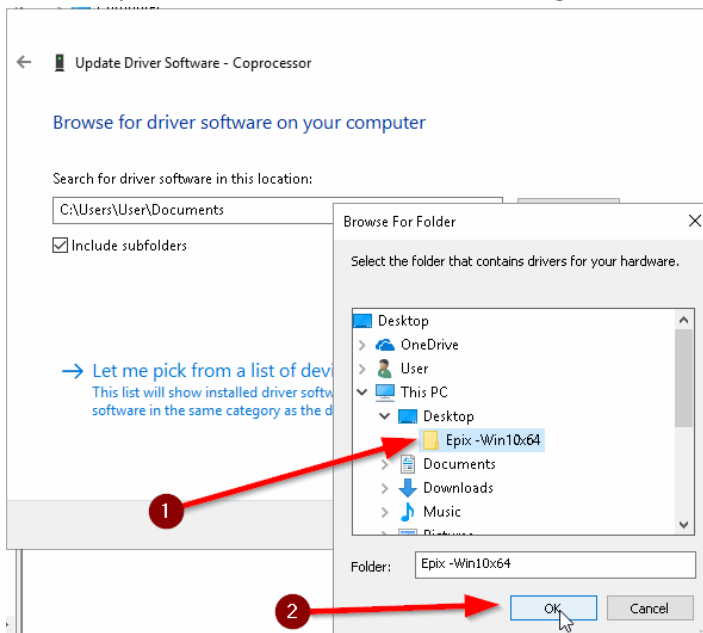
- a. Download the [EPIX EB1 Drivers.zip](#) and extract the appropriate drivers for your OS version to your desktop.
- b. Open the start menu and search “device manager” and click on the “device manager” result.



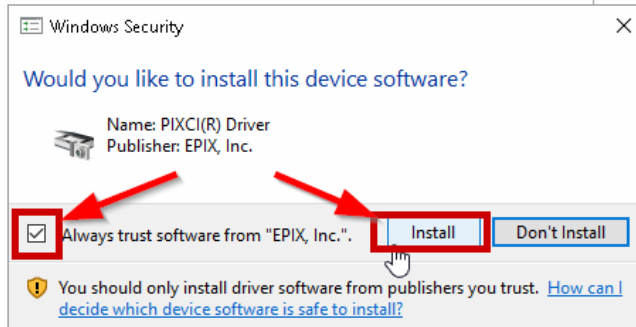
- c. In the “other devices” category, there may be a device named “Coproprocessor” or “PCI device” Right-click on the device and chose “update driver software”.



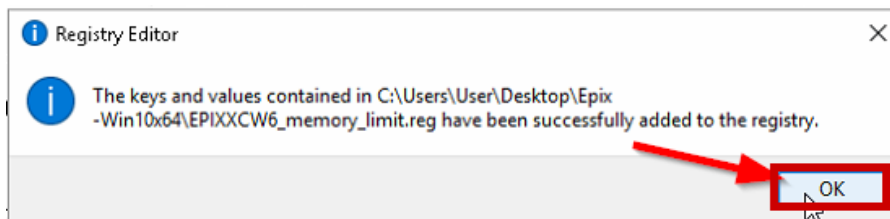
- d. Click “browse my computer for driver software”.
- e. At the top click the “browse” button and navigate to the folder on your desktop and click “ok”.



- f. Click “next” on the update driver window.
- g. If any security box pops up, make sure the “always trust software from “EPIX, inc” is checked and click “install”.




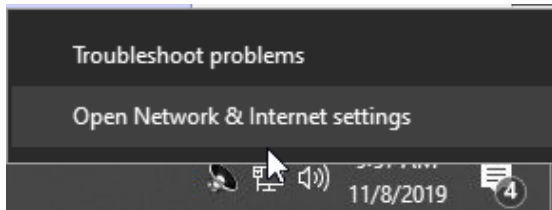
- h. After it successfully installs the driver click “close” on the update driver window.
- i. If it says you need to reboot the computer to finish installing the device, **click “no”** for now.
- j. The capture card should now be under the “imaging devices” category in the device manager.
- k. If the computer is windows x64, From the drivers folder downloaded, double-click on the “EPIXXCW6\_memory\_limit” file and click “yes” on the window that pops up to merge, and “OK”.



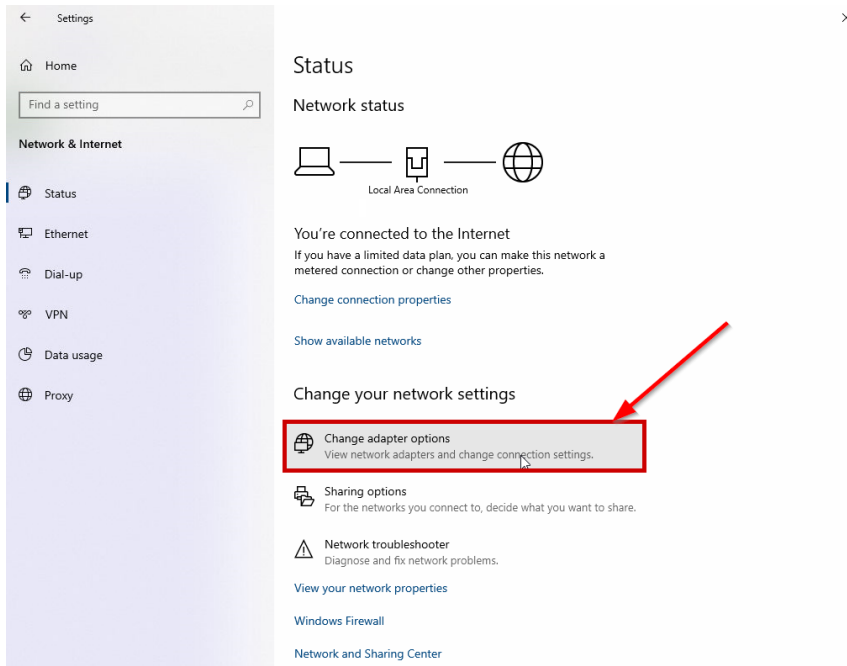


## IF CARD IS AN INTEL NIC, CONFIGURE & INSTALL PROTOCOL

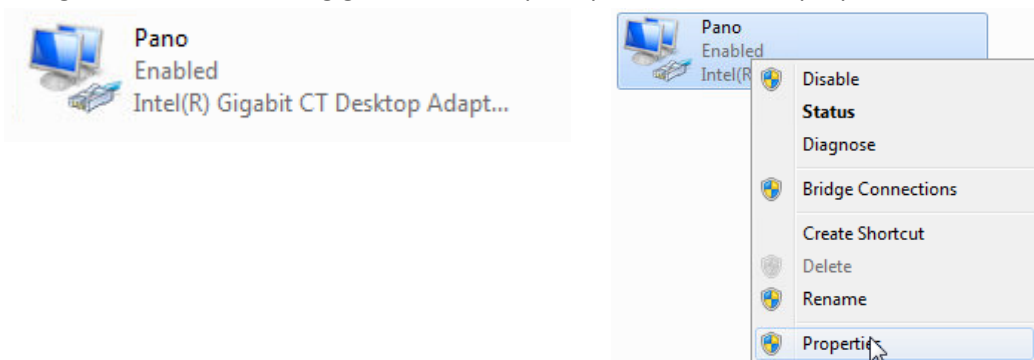
- a. Right-click on the network icon  next to the clock on your taskbar and click “open Network & internet settings”.



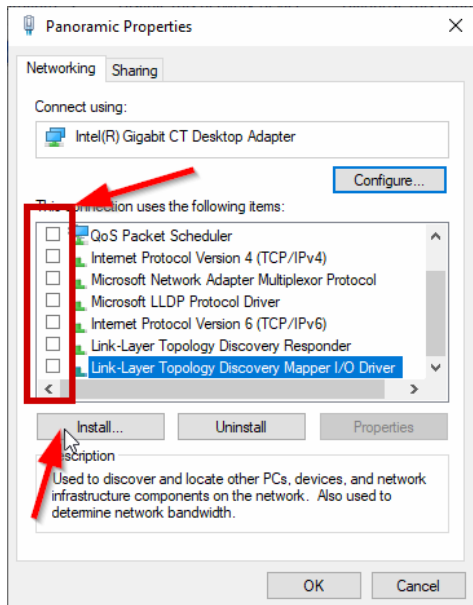
- b. Click on “change adapter options”.



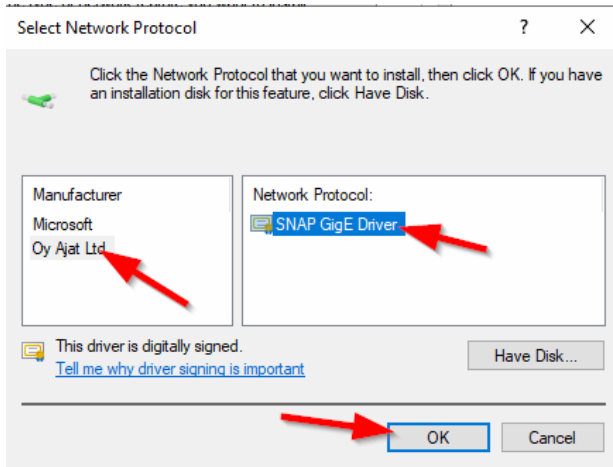
- c. Right-click on the “Intel gigabit CT desktop adapter” and chose “properties”.



- d. Uncheck ALL items/protocols for the network adapter.
- e. Click “install” then choose “protocol” then click “add”.



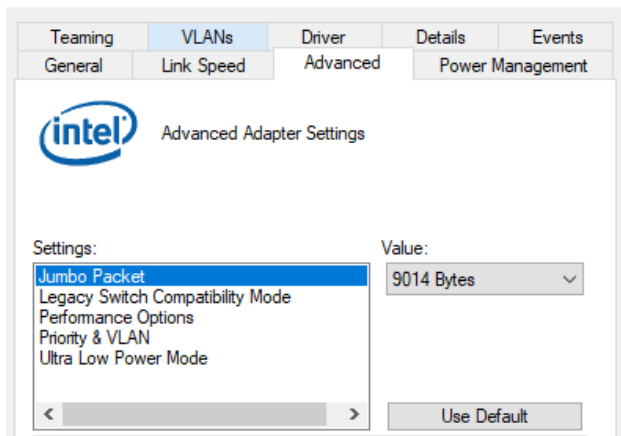
- f. Click on the “Oy Ajat Ltd” and select the “SNAP GigE Driver”.
- g. Click “OK” and then “close” on the adapter properties.



*Note: It is Preferred to Uncheck SNAP GigE protocol from any of the other Network Interfaces listed*

- h. Right click on the Intel CT Desktop adapter again and go into the properties, and click the “configure” button in the top right corner.

- i. Under the “Power Management” tab, uncheck all boxes.
- j. Under the “advanced” tab change “Jumbo Packet” to a value of “9014”.



- k. Change the “Receive buffers” to a value of “2048”.

If Receive buffers is not found, it might be found under Performance Options

- l. Click “OK” to save your changes.

## **RESTART THE COMPUTER**

### **RESTORE THE CALIBRATION FILES**

- a. The calibration files should have been backed up from the previous computer. Copy all files in that folder to the same location on the new PC.

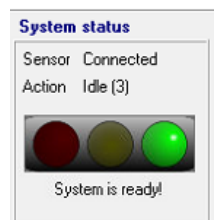
C:\ProgramData\Ajat\panoramic\calib\

C:\ProgramData\Ajat\panoramic\data\

C:\ProgramData\Ajat\panoramic\datastor\

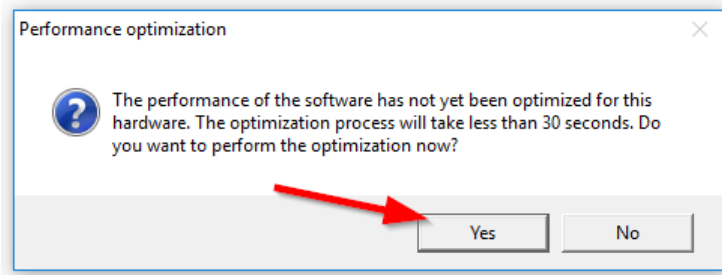
*Note: This folder is created automatically after the software has been setup/configured*

- b. Power the X-ray machine Off, Power Off the computer, wait 5 seconds, and power both back On.
- c. Verify GREEN CONNECTION status light in the TOP LEFT corner of the software program  
Call Panoramic Support if problematic. 800-654-2027 opt. 2 for the Service Dept.

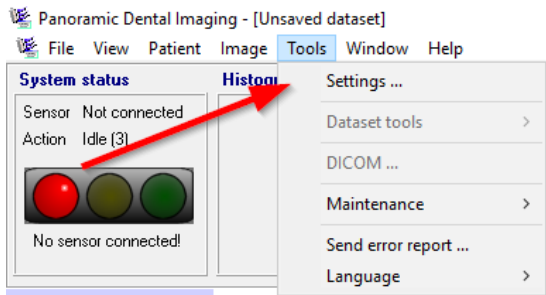


## VERIFY OR CONFIGURE THE PANORAMIC DENTAL IMAGING SOFTWARE

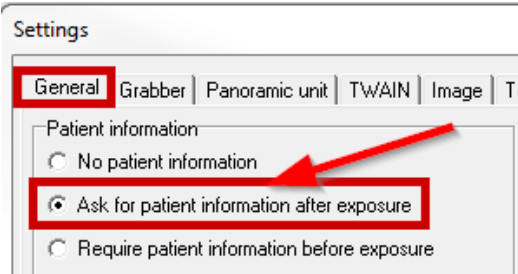
- Open the “Panoramic Dental Imaging” software. If prompted about Performance optimization, click Yes.



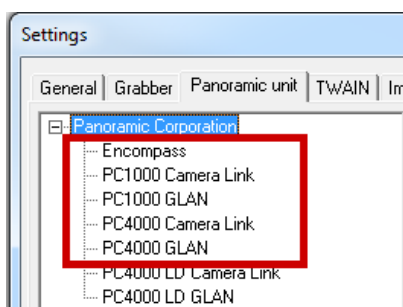
- At the top of the software, click “Tools” then “Settings...”



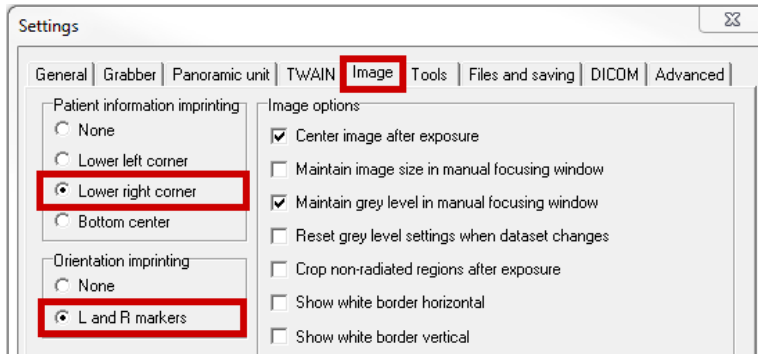
- Click on the “General” tab and select “Ask for patient information after exposure”.



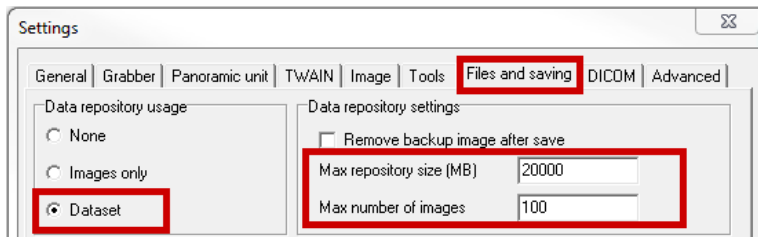
- Click on the “Grabber” tab and ensure the proper preferred grabber is selected (Epix EB1 or INTEL gigabit CT desktop adapter).
- Click the “Panoramic unit” tab and choose your type of x-ray machine from the list. If you have the Epix EB1 grabber card, choose the “camera link” version of the machine. If you have the Intel NIC card, choose the GLAN version of the machine.



- f. Click the “Image tab” and check the options of “Lower right corner” and “L and R markers”.



- g. Click the “Files and saving” tab, and select “dataset”, set the “Max repository size” to “20000”, and the “Max number of images” to “100” (these numbers can be adjusted to fit computer needs).



- h. Click “ok” on the settings windows to save your settings, if prompted to Reboot your PC, click “yes”.

## ADJUST IMAGE APPEARANCE

- a. **Ensure the Software direction L/R (top right of screen) matches the Machine direction L/R (side panel)**  
**Machines Envision P, Envision C1, and Encompass are set to Automatic**  
**A green connection to the software/sensor is required to change this button direction**



- a. Because this is a new computer the images by default will be very light until adjusted. You can follow the instructions listed on page 20 of the [Guide to getting the best images](#) to adjust the default image adjustments