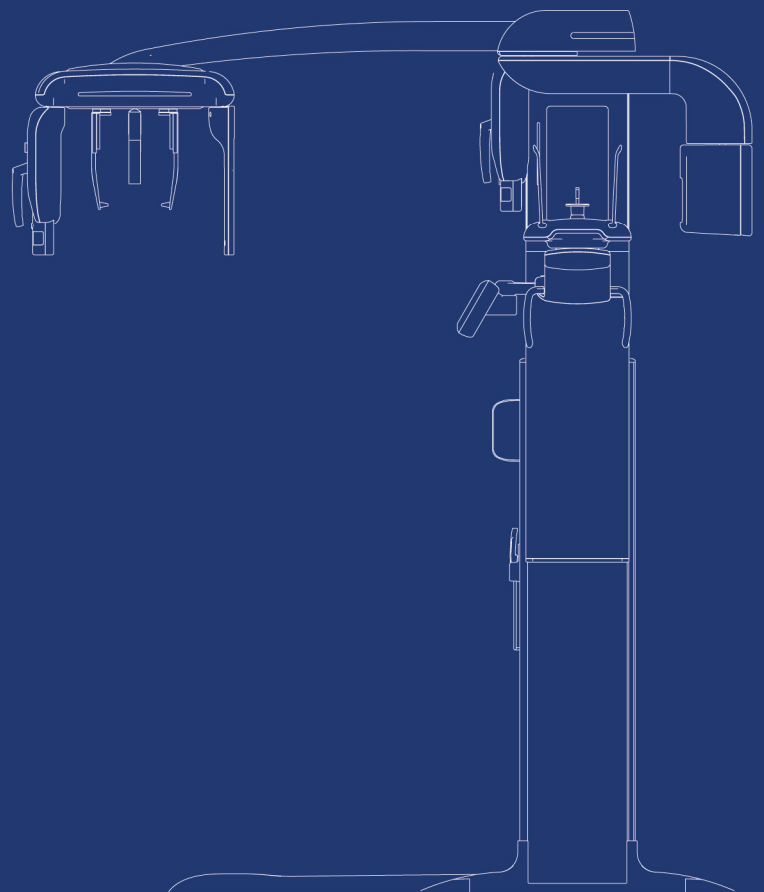




PaX-500 User Manual

Panoramic & Cephalometric System
New Paradigm of Digital Imaging
Latest Technology...ALC/DUET/AOP/LDCP



Specification of Medical Device

| | | |
|---|---|---|
| 1. Product Name | | Digital X-ray Imaging Device |
| 2. Model Name | | PaX-500 |
| 3. Manufacturer | | VATECH Co. Ltd. |
| 4. Number and Date of Manufacturing Weight or Packaging Unit | | Indicates in product |
| 5. Performance and Directions of Use | | Indicates in user's manual and catalog. |
| 6. Cautions for Use | | Indicate in user's manual |
| 7. Other Necessary Information | 1) Rated Power | Single Phase, 50/60 Hz, 110V/220 V |
| | 2) Power Consumption at Maximum Rating | 2kVA |
| | 3) Rated Protection Type and Degree | Protection Type : Class 1 Device Protection Degree : Type B Device |

Cautions for the use of Product

Following are information on cautions for user safety, fire and electric safety accident.

Make sure to read the following carefully before use.

1. Make sure to be familiar with the contents of this manual, before use for the safety of user and patient.
2. Make sure to comply with cautions and procedure to use, indicated in this manual and the product.
3. Do not use the product while it abnormally operates or is in instable status. Make sure to use it after requesting inspection to the agent.
4. Do not spray liquid or give pressure to the product. It may result in electric accident or fire.
5. This product operates using the specified AC power. Contact the agent if you want to change voltage.

Before Getting Started

Contents of this manual are subject to change without separate notice for improvement of product performance, addition or follow-up of information.

Please note that our company has no responsibility for or obligation of free repair service for any accident or damage of equipment due to user's mistake with regard to the contents included in this manual. Make sure to become familiar with cautions and procedure of use. Also note that it may slightly differ from the contents of this manual depending on specification of product.

Following marks are used for effective use of product in this manual.



Indicates useful information required and tips you should know for use of products.



Indicates important instructions for use of product. Violation of this may serve as a cause of damage or failure of products or may lead to fatal problems.



Indicates safety instruction for use of product. Violation of this may lead to severe injury to the users or patients.

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1

Chapter 1 Product Overview

This Chapter describes overall features, components of products as well as various cautions in details.

1. Product Features

- Drastically reduce X-Ray expose dose in consideration of patient's safety.
- Conveniently operate the product through PC and LCD panel.
- Load the high-definition sensor (developed independently), providing wider length and width than film without the jaw part being cut.
- Support more accurate diagnosis imaging than LCD as well as voice announcement function for patients and staffs.
- Provide various imaging modes for special treatment and diagnosis such as implant in addition to basic panoramic imaging mode (Foretooth definition and neural tube definition mode, etc.)

2. Product Components

Hardware Components

- Equipment main frame
- User's manual
- Install CD
- Accessories



Components and specification of this product may be subject to change without any notice for improvement of product performance.

Software Components

- Viewer program : EasyDent V4 program,
- Imaging program : EasyDent V4 imaging program



Components and specification of this product may be subject to change without any notice for improvement of product performance.

3. Cautions

Make sure to observe following.

- Make sure to follow the specified process of operation for safety of users and patients.
- Make sure to check the status of products such as power, PC and cable before use.
- **Perform the operation while it is in stop status. Violation of this may result in malfunction.**
- Make sure to proceed to the next imaging status after passage of Cooling Time (process of cooling down X-Ray tube) according to voice announcement after imaging.
- Place this product away from water, moisture or foreign substance since this product is a precision medical electronic device.
- Immediately cut off the power if the product is exposed to water or foreign substance during use, resulting in abnormal operation. Contact the agent for support.

Radiation Protection Policy



User should comply with rules and regulations of their country on radiation safety and protection since they differ among countries.

- A worker should wear lead apron or use protection wall to protect himself / herself from radiation during imaging process.
- A worker should provide protection devices such as lead apron to patients during imaging process.
- **Children or pregnant women should consult with the doctor in charge before imaging.**
- A worker should be at least 2 m (6 feet) away from the equipment during imaging.
- Equipment should be located inside X-ray shield facility during imaging and the worker should watch inside carefully through window during imaging from outside shield facility.
- A worker should continuously check the patient and equipment status during imaging.
- A worker should immediately stop imaging if equipment malfunctions.



Do not use this product under environment with risk of explosion. Be careful from such risk.

Manufacturer Liability Policy

Manufacturers / sellers of X-ray equipment such as this product are responsible for safe and normal operation of product only in the following cases.

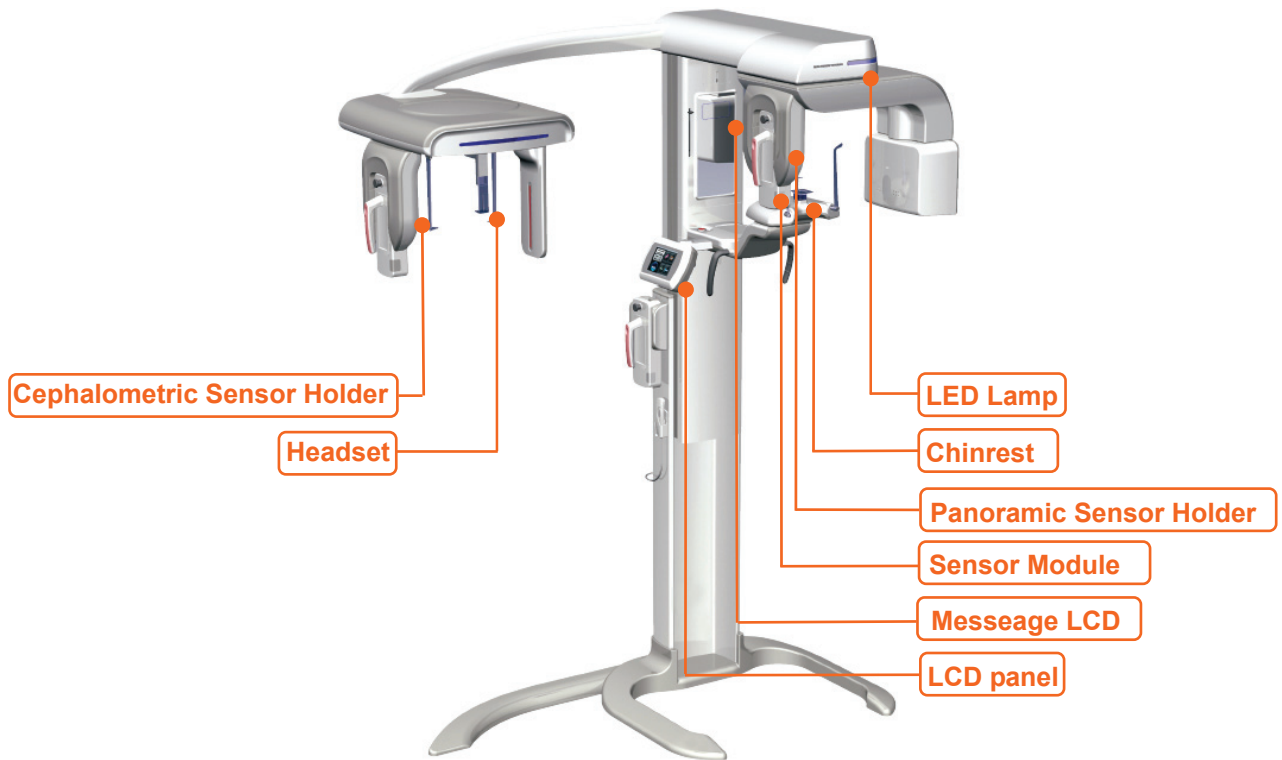
- If the product is installed by our authorized agent.
- If it is installed in accordance with cautions and conditions for installation
- If genuine product is used as approved by our company
- If maintenance/repair service is performed by our authorized agent
- If product is normally used in accordance with user's manual
- If it is not from equipment damage or accident attributable to mistake of customers

2

Chapter 2 Components and Functions

This Chapter describes hardware components and software architecture of the product in details.

1. Hardware Components and Functions



- **Sensor Module** : digital X-Ray image sensor module (Panoramic and ECT).
- **Panoramic Sensor Holder** : insert the sensor module here when taking panoramic image.
- **Cephalometric Sensor Holder** : insert the sensor module here when taking cephalometric image.
- **LED Lamp** : LED for checking X-Ray irradiation
- **Headset** part for fixing the patient head during cephalometric imaging
- **Chinrest** : part for fixing the patient head during panoramic imaging
- **LCD panel**: operate the equipment through LCD panel
- **Message LCD** : display the operation status of equipment as text in LCD.



This configuration may differ depending on the specification of your product.

2. Software Architecture

Following is brief description on menu architecture of imaging program.

Menu on Panoramic unit



① **Imaging Status and Image Display Window**

Show imaging progress status for capturing image and show the image captured after imaging.(show image captured real time at the time of actual imaging)

② **Pateint Info. Window**

Show information of pateint such as name, age and chart of pateint to be taken.

③ **Imaging Instruction Window**

Show various kinds of text instruction message for imaging.

- ④ **X-ray Setting Control Button**
Adjust kVp, tube voltage value and mA, tube current value.
- ⑤ **Select Patient Button**
Select the patient per gender (Man, Woman, Child) and bone density (Hard, Normal, Soft).
- ⑥ **Panorama Property Button**
Select Standard or Special Mode.
(Select various kinds of imaging mode depending on selection of each mode.)
- ⑦ **Select Panorama Imaging Mode Button**
Standard mode - Panoramic, Left, Front, Right, TMJ open, TMJ Close, Sinus are available for selection.
Special mode - Maxillary clear, Canal clear, Incisor clear, Orthogonal are available for selection.
- ⑧ **Select Arch Button**
Normal, Wide, Narrow, Child are available for selection.
- ⑨ **Lamp Button**
Turn the lamp On/Off for alignment of patients.
- ⑩ **Select Imaging Mode Button**
Select one of imaging mode such as Panorama or Cephalo.
- ⑪ **Confirm Button**
Confirm the current setting (press the Confirm Button after making all the necessary settings)
- ⑫ **Ready Button**
Perform imaging according to instruction message after clicking Ready Button.
- ⑬ **Imaging, Image Processing Status Bar (Progress bar)**
Show the progress status with a graph at the time of imaging and image processing.
- ⑭ **Exit Button**
Exit the imaging program.



This software architecture may differ depending on specification of your product and be subject to change without notice for improvement of product performance.

Menu on Cephalometric unit



① **Imaging Status and Image Display Window**

Show imaging progress status for capturing image and show the image captured after imaging (show image captured real time at the time of actual imaging)

② **Pateint Info. Window**

Show information of pateint such as name, age and chart of pateint to be taken.

③ **Imaging Instruction Window**

Show various kinds of text instruction message for imaging.

④ **X-ray Setting Control Button**

Adjust kVp, tube voltage value and mA, tube current value.

- ⑤ **Select Patient Button**
Select the patient per gender (Man, Woman, Child) and bone density (Hard, Normal, Soft).
- ⑥ **Cephalo Property Button**
Select Cephalo Mode.
(Fixed to one mode of Quick and Normal Cephalometric depending on specification of equipment).
- ⑦ **Select Cephalo Imaging Mode Button**
Lateral, Frontal, SMV, Carpus are available.
- ⑧ **Lamp Button**
Turn the lamp On/Off for arrangement of patients.
- ⑨ **Select Imaging Mode Button**
Select one of imaging mode such as Panorama or Cephalo.
- ⑩ **Confirm Button**
Confirm the current setting.
- ⑪ **Ready Button**
Perform imaging according to instruction message after clicking Ready Button.
- ⑫ **Imaging, Image Processing Status Bar (Progress bar)**
Show the progress status with a graph at the time of imaging and image processing.
- ⑬ **Exit Button**
Exit the imaging program.



This software architecture may differ depending on specification of your product and can be subject to change without notice for improvement of product performance.

3. LCD Panel

Main Screen



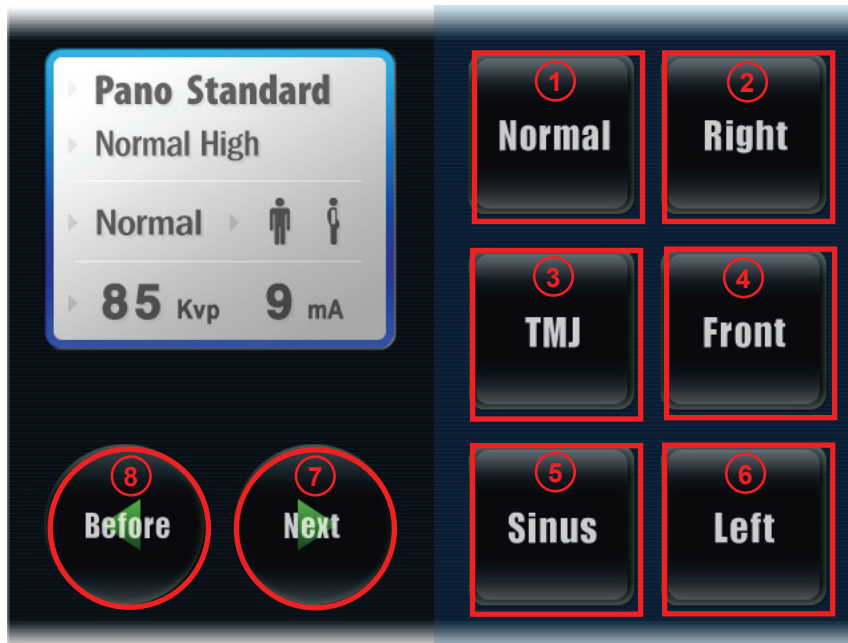
- ① **Display Imaging Mode and Patient Setting**
Display the imaging mode of current setting and X-ray setting value suitable for patient (imaging mode and X-ray setting value suitable for patient, etc.).
- ② **Mode button**
Select the imaging mode (Pano Standard, Pano Special, Cephalo).
- ③ **Image button**
Show the image currently saved in the memory (can save up to 10 images).
- ④ **Return button**
Return rotating unit to the position of lamp.
- ⑤ **Position button**
Operate the camera and alignment lamp to place the patient in position.
- ⑥ **Ready button**
Prepare for X-ray imaging according to the mode and conditions set.

Mode Screen



- ① **Pano Standard**
Select the standard imaging mode (Normal, Front, Right, Left, TMJ, Sinus).
- ② **Pano Special**
Select the special imaging mode (Orthogonal, Incisor Clear, Maxillary Clear, Canal Clear).
- ③ **Cephalo**
Select the Cephalo imaging mode (Lateral, Frontal, SMV, Carpus).
- ④ **Next**
Go to the next stage. Select "Next" to go to the next stage.
- ⑤ **Confirm**
Save the existing setting value and move to the Main screen.

A Screen In Case of Selecting Pano Standard at Mode Selection



① **Normal**

The mode of imaging whole teeth of the patient

② **Right**

The mode of imaging only right teeth of the patient

③ **TMJ**

The mode of imaging temporomandibular joint (TMJ) of patient

Show the images in the order of Right Open-Right Close-Left Close-Left Open in one sheet of image.

For imaging with LCD panel, it displays Open image only at the time of TMJ Open imaging, and Close image only at the time of TMJ Close imaging.

④ **Front**

The mode of imaging the front teeth of the patient

⑤ **Sinus**

The imaging method of optimizing the sinus of the patient

⑥ **Left**

The mode of imaging only left teeth of the patient.

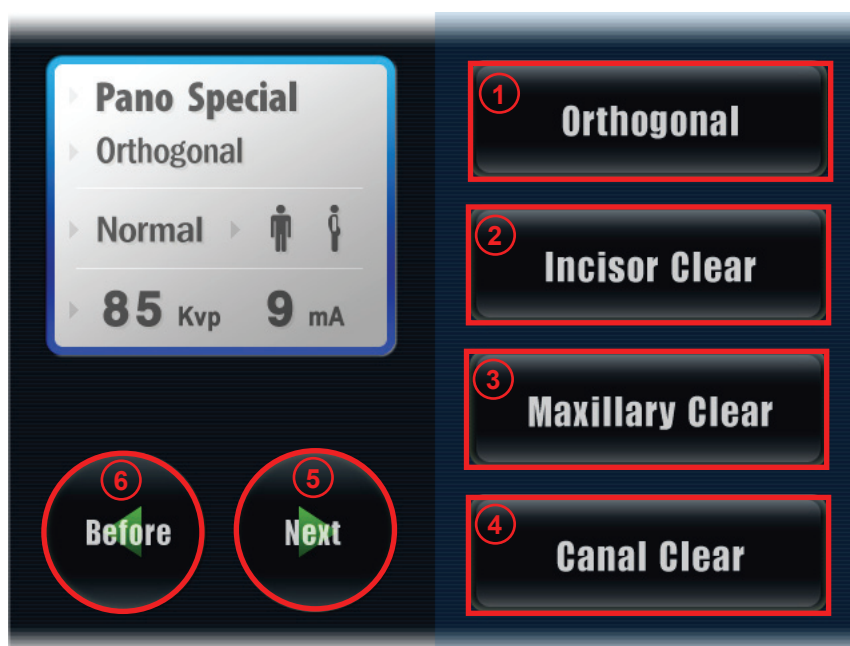
⑦ **Next**

Go to the next stage. Select "Next" to go to the next stage.

⑧ **Before**

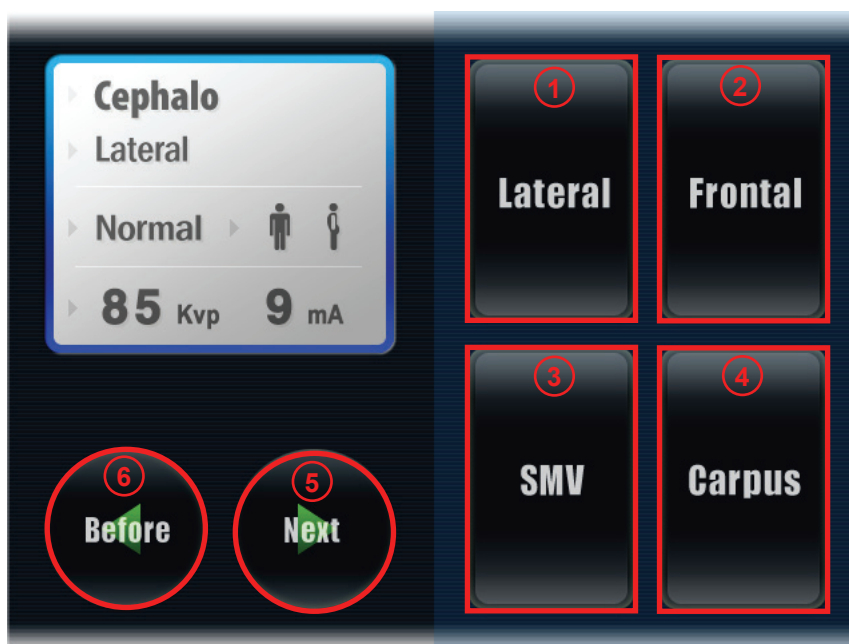
Go to the previous stage. Select "Before" to cancel the current setting value.

A Screen In Case of Selecting Pano Special at Mode Selection



- ① **Orthogonal**
The imaging mode of minimizing overlapping when the teeth overlap
- ② **Incisor clear**
The imaging mode of optimizing the foreteeth of the pateint
- ③ **Maxillary clear**
The imaging mode of optimizing maxillary sinus of the pateint
- ④ **Canal clear**
The imaging mode of optimizing canal of the pateint
- ⑤ **Next**
Go to the next stage. Select "Next" to go to the next stage.
- ⑥ **Before**
Go to the previous stage. Select "Before" to cancel the current setting value.

A Screen In Case of Selecting Cephalo at Mode Selection



- ① **Lateral**
The mode of taking the lateral image of the head at the time of measuring pateint's head
- ② **Frontal**
The mode of taking the frontal image of the head at the time of measuring pateint's head
- ③ **SMV**
The mode of taking the caudocranial image at the time of measuring pateint's head
- ④ **Carpus**
The imaging mode of checking the growth of pateint by taking the image of pateint's hand
- ⑤ **Next**
Go to the next stage. Select "Next" to go to the next stage.
- ⑥ **Before**
Go to the previous stage. Select "Before" to cancel the current setting value.

X-ray Setting Screen



- ① **X-ray Setting**
Select kVp and mA of X-ray manually.
- ② **Patient Setting**
Select the feature (gender / bone density) of the patient.
- ③ **Confirm**
Confirm the current setting and go to the next stage.
- ④ **Exit**
Cancel the current setting and go to the previous stage.

3

Chapter 3 Basic Operation

This Chapter describes basic operation of the product as well as important functions for easy understanding and use of product by users. Refer to this Chapter for effective use of the product.

1. Preparation before Imaging

Make sure to check the following before starting imaging.

- **Start your PC after turning on the power of the equipment.**
- **Check whether the equipment is turned on.**
- **Do not perform any operation of PC while the product is in operation.**
- **Check whether there is any problem in operation of PC.**



When the equipment is already turned on, select the Imaging Mode through imaging program and then follow the instruction of the program.



This configuration may differ depending on specification of your product. Check the production information of appendix for details of manual.

2. How to Align Patients

2.1. How to Align Patients on Panoramic unit

- ① Take off or remove any glasses, earring, hairpin, oral device or false teeth that the patient wears.
- ② Have the patient wears protective clothing. It is recommended that the patient wears protective clothing for protection against radiation.
- ③ Adjust the height of system to fit to patient using column Up / Down switch.



- ④ Have the patient stand at the center of the system at upright position.
It is better if the patient comes closer to the system as much as possible.
- ⑤ Have the patient hold the handle. The patient may slowly fall down backward when he / she does not hold the handle.
- ⑥ Put hygiene cover (disposal bag) on the Bite and have the patient bit the reference hole with front teeth.
- ⑦ If you press the Position Button on LCD panel, 3 beams appear on the face of the patient. 3 beams serve as a standard for correct posture of the patient. It can be also checked in LCD panel.
- ⑧ Adjust the position of the patient so that vertical Laser Beam accurately bisects the face of the patient and is located at the center of the patient's face.

- ⑨ Adjust the face of the patient so that it is balanced right and left, behind and front through Horizontal Laser Beam.



For Sinus imaging, your face is up about 15 degree if the Horizontal Laser beam is accurately located (See the following figure).

- ⑩ Adjust the Canine Laser Beam so that it is accurately located at the canine part of the patient.



1) Panoraic: position the Canine Laser beam at the canine.


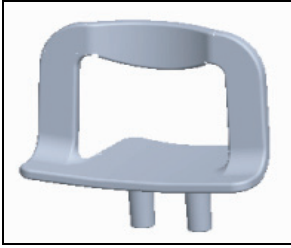
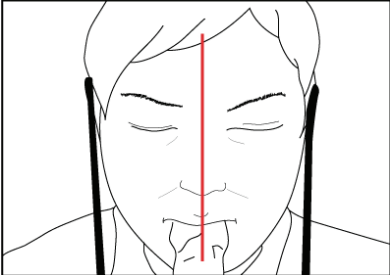
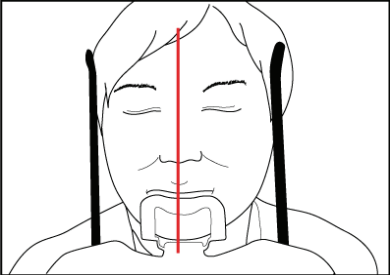
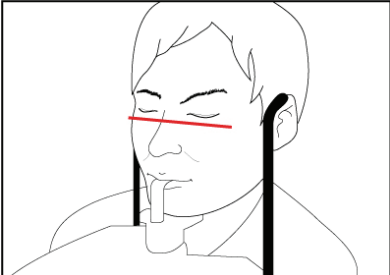
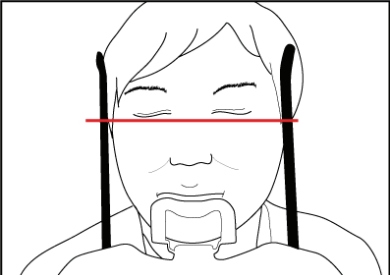

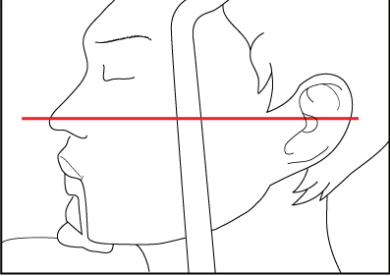
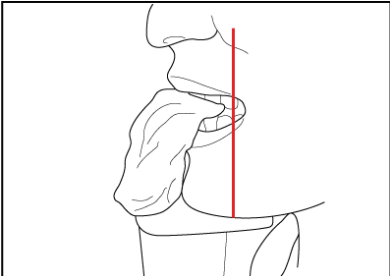

2) Sinus: position the Canine Laser beam about 1 cm inside the wings of the nose.

3) TMJ: position the Canine Laser beam at the maxillary canine in case of Open.

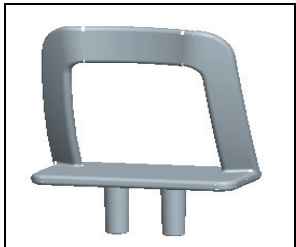

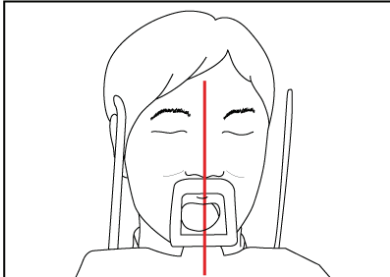
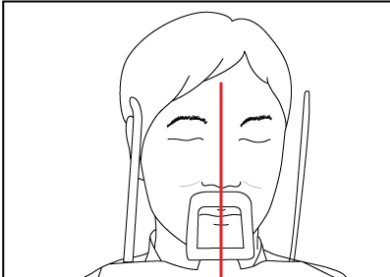
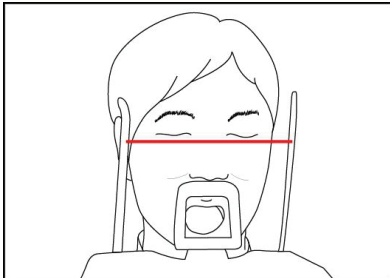
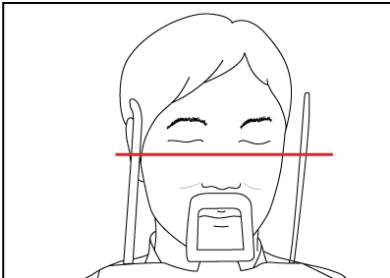
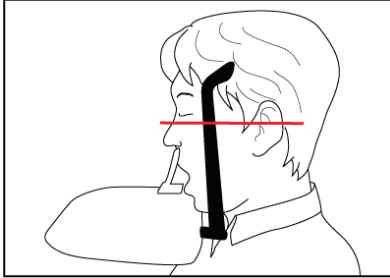
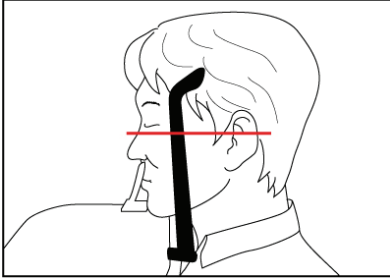
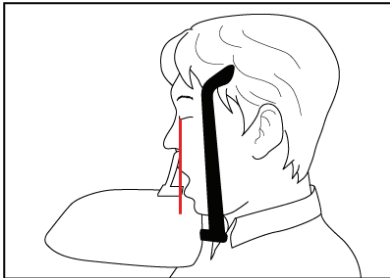

Position the Canine Laser beam at the canine while mouth is closed in case of Close.

2.2. How to Align Laser Beam

① Panoramic & Sinus

| | Panoramic | Sinus |
|-----------------|---|--|
| Positioning Jig |  |  |
| Vertical Beam |  |  |
| Horizontal Beam |  |  |
| |  |  |
| Canine Beam |  |  |

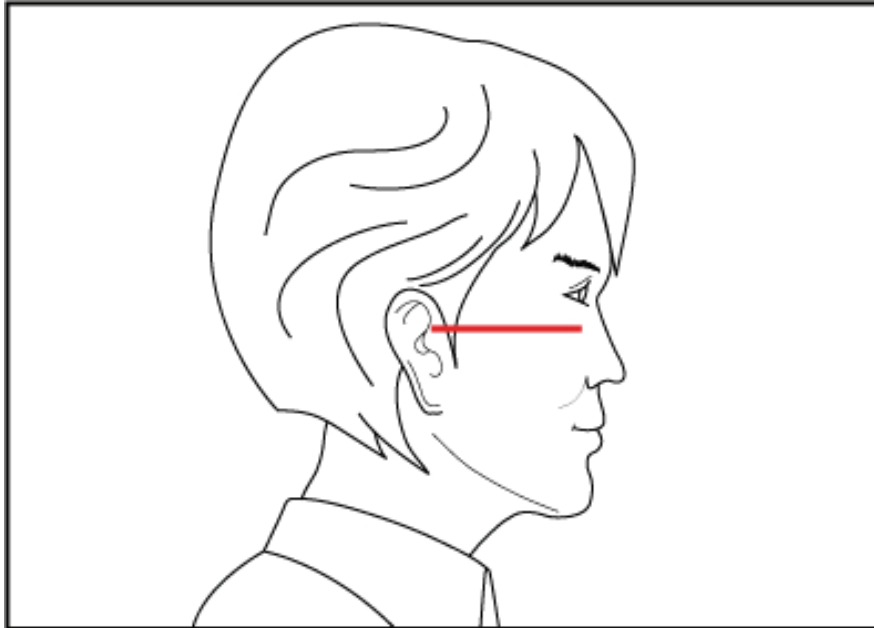
② TMJ open & TMJ close

| | TMJ open | TMJ close |
|-----------------|---|--|
| Positioning Jig |  |  |
| Vertical Beam |  |  |
| Horizontal Beam |  |  |
| |  |  |
| Canine Beam |  |  |

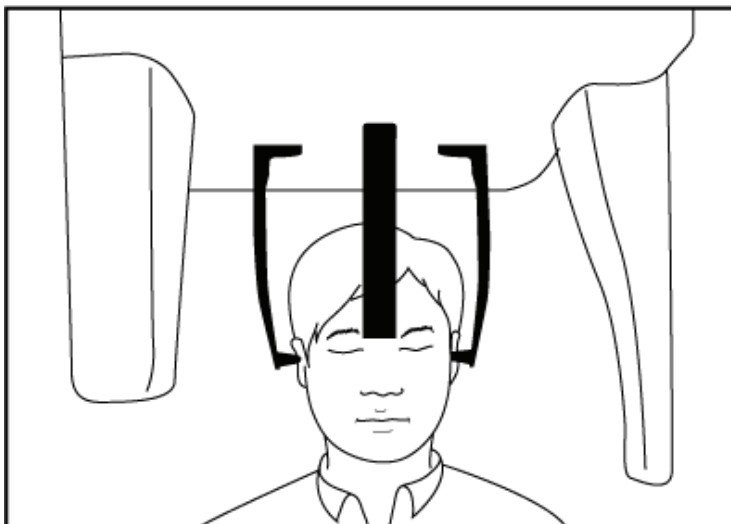
2.3. How to Align Patients on Cephalometric unit

◆ Position of Cephalometric Imaginary Horizontal Baseline

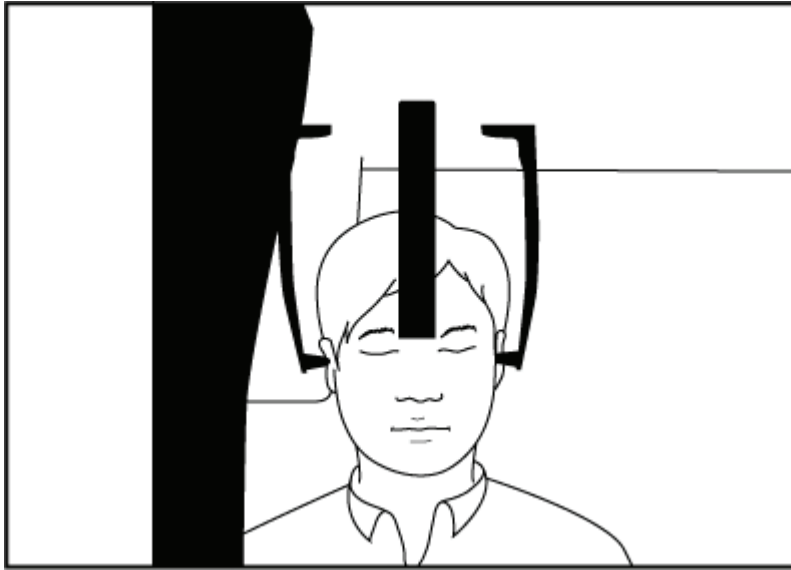
- ① The highest position of earhole and a boundary region between cheek and protrant part of an eye
- ② Effect of improving uniformity radiograph since horizontal anatomical measuring point lies parallel to the horizontal plane



• Lateral mode on Cephalometric unit



- Frontal mode on Cephalometric unit



- Carpus mode on Cephalometric unit




3. How to register new patients and capture

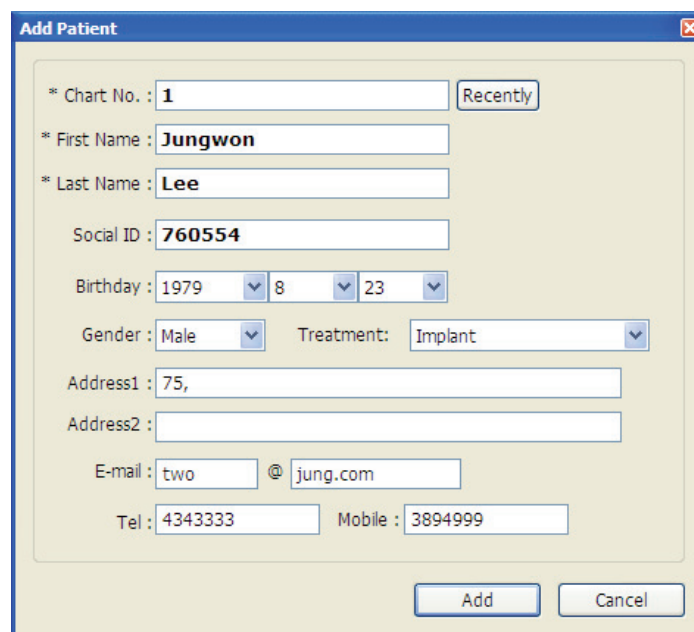
3.1. How to register new patients

Follow the steps shown below to register new patient.

- ① Turn on the product and computer.

- ② Execute EasyDent V4 and click 'Patient ()' icon to register new patient.

- ③ Enter the patient information when following dialog appears.



Add Patient

* Chart No. :

* First Name :

* Last Name :

Social ID :

Birthday :

Gender : Treatment:

Address1 :

Address2 :

E-mail : @

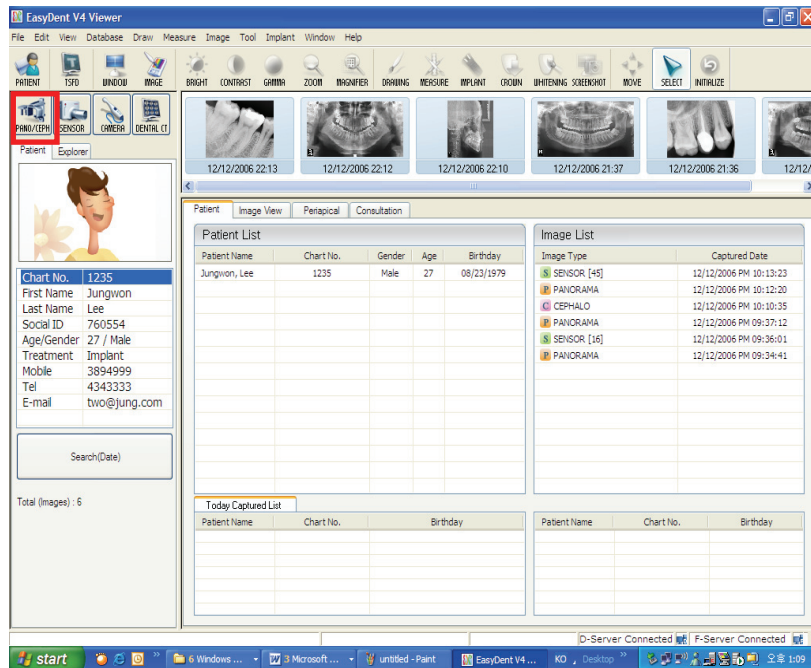
Tel : Mobile :

- ④ Click 'Add' to close the dialog if you are done with filling it out.


3.2. Panoramic Imaging Procedure

In order to capture effective Panoramic image, perform the imaging in the order specified.

- ① Turn on the power switch of PaX-500C. Leave as it is if power switch is on.
- ② Execute EasyDent V4 program in PC.
- ③ Program is displayed as shown in the following figure [Fig. 1]. Search and select the patient for imaging.



[Fig. 1] EasyDent V4 Program Screen

- ④ Click 'Pano/Ceph()' icon on the left upper part in the figure [Fig. 1] to execute the imaging program.

⑤ PC is checking system (PaX-500) whether it is prepared to capture images or not.



⑥ Choose 'Panorama' to capture panoramic images.



⑦ After choosing 'Panorama', system will change the imaging mode to Panoramic mode.



⑧ Set a condition of image-capturing. And then click 'Confirm'.

- The settings of X-ray, Gender and Bone density, panoramic capturing mode and Arch.

* Standard mode



* Special mode



- ⑨ System will calibrate a sensor for optimal condition of image-capturing.



- ⑩ Position a patient on system.



⑪ Click 'Ready' button when the position of patient is finished.

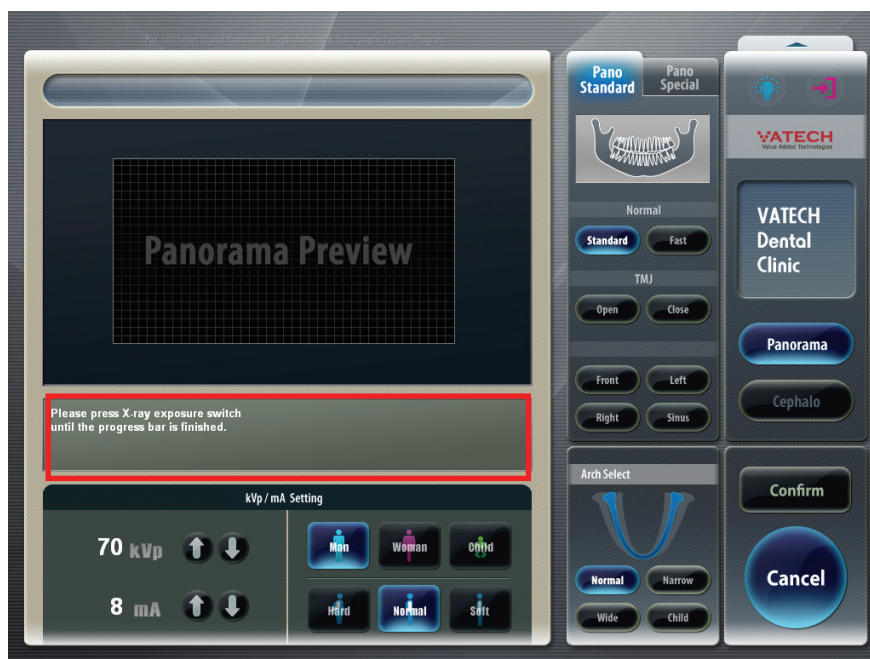


⑫ Push an exposure switch to capture image after finishing the preparation of system.

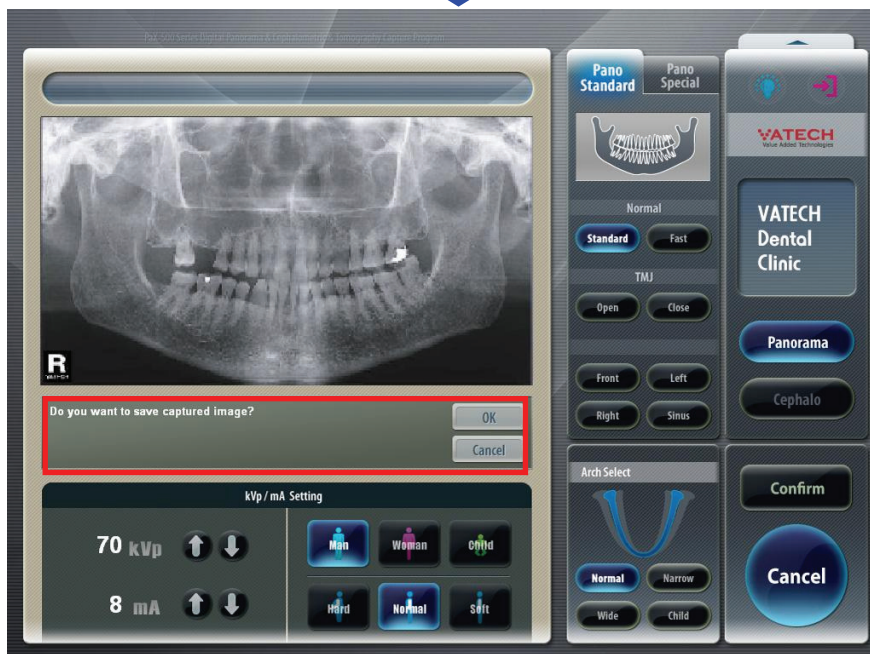


You should hold the exposure switch to capture image until the capturing is finished.





- ⑬ A captured image will be shown on program after optimizing. And click 'OK' if you want to save the captured image to DB.



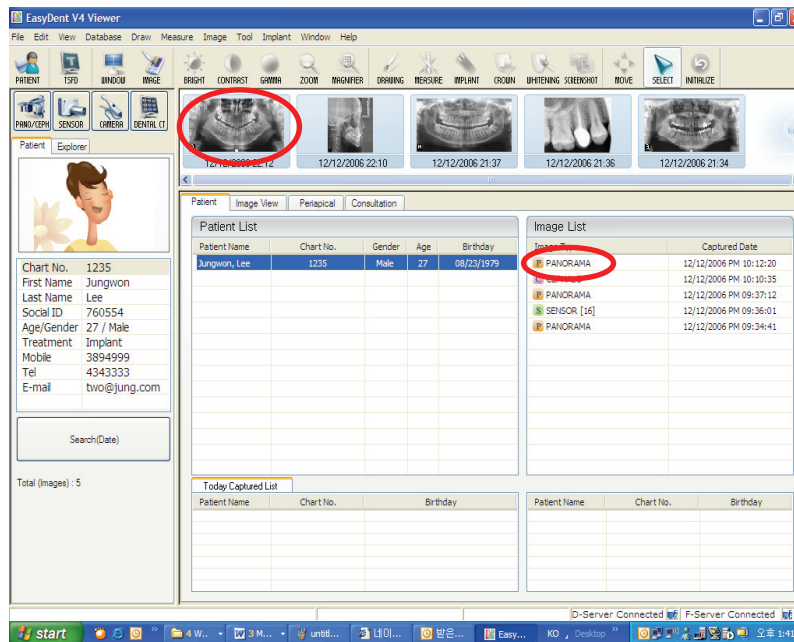
Click 'OK' if you want to save the captured image to DB, otherwise, click 'Cancel'.

- ⑭ After saving, the program will ask you to capture image again.

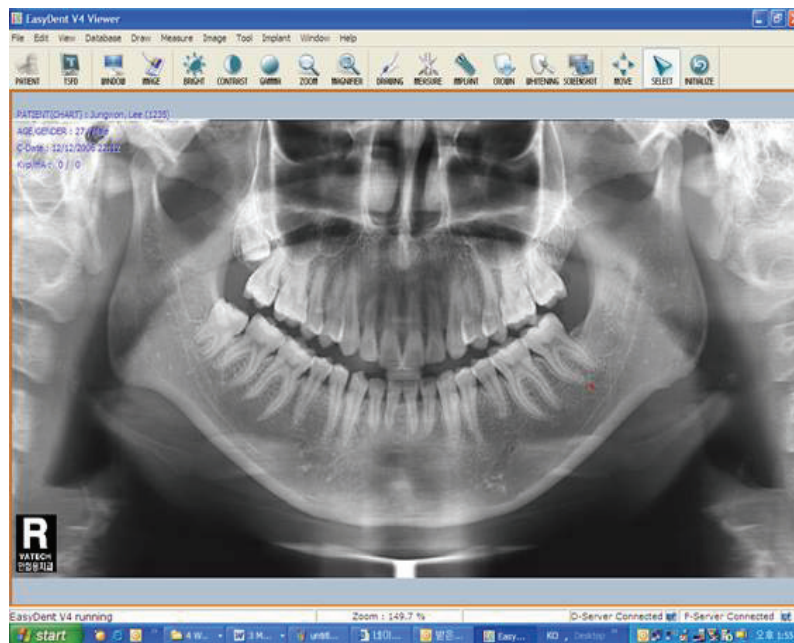


If you want to capture again, click 'OK'. Otherwise, click 'Cancel'.

- ⑮ When you click the name of patient in patient list after imaging, the image list is reconfigured. Images recently captured appear in the left as shown in the figure. Double-click on it to check the image in details.

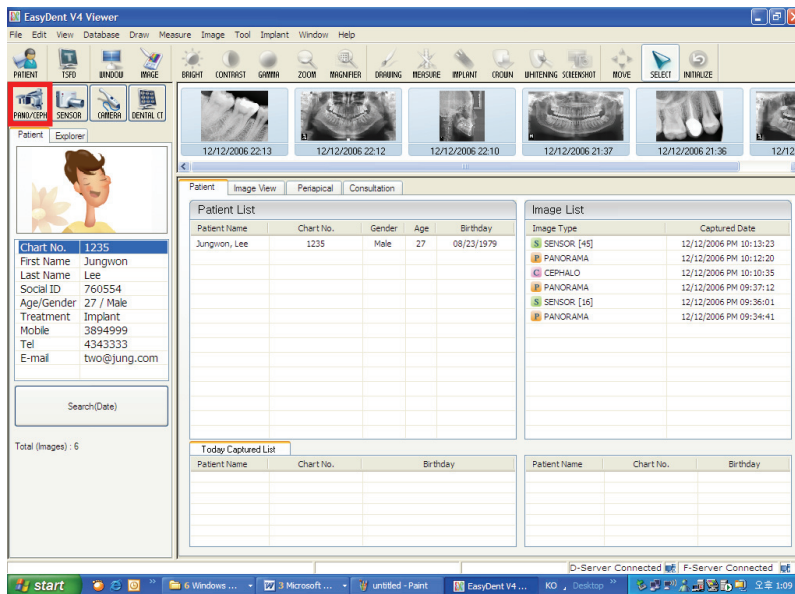


※ Final Panoramic image can be checked through EasyDent V4 Viewer



3.3. Cephalometric Imaging Procedure

- ① Turn on the equipment power switch (Switch On).
- ② Execute EasyDent V4 program to search for and select patient for imaging.
- ③ Click 'Pano/Ceph' (PANO/CEPH) icon on the top left to execute imaging program.



For unregistered patient, register him / her in reference to user's manual of program separately prepared before capturing image.



Sensor module check may experience error due to wrong installation of sensor even if sensor module is installed on cephalometric mode. In this case, please try again after installing the sensor module again.

- ④ PC is checking system (PaX-500) whether it is prepared to capture images or not.



- ⑤ Choose 'Ceph' to capture cephalometric images.



- ⑥ After choosing 'Cephalo', system will change the imaging mode to Cephalometric mode.



- ⑦ Set a condition of image-capturing. And then click 'Confirm'.
 - The settings of X-ray, Gender and Bone density, cephalometric capturing mode.



- ⑧ System will calibrate a sensor for optimal condition of image-capturing.



- ⑨ Position a patient on system.



- ⑩ Click 'Ready' button when the position of patient is finished.

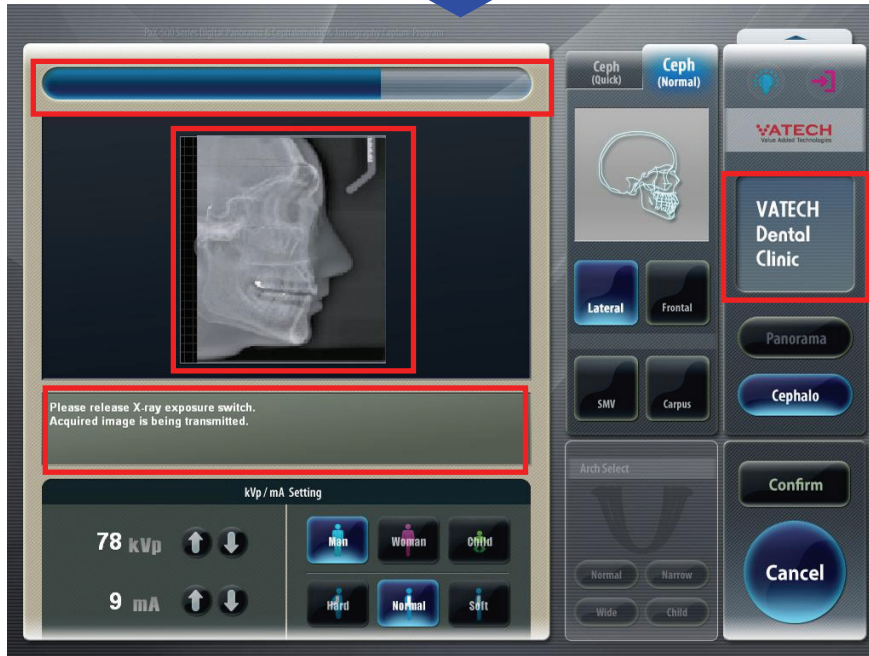


- ⑪ Push an exposure switch to capture image after finishing the preparation of system.

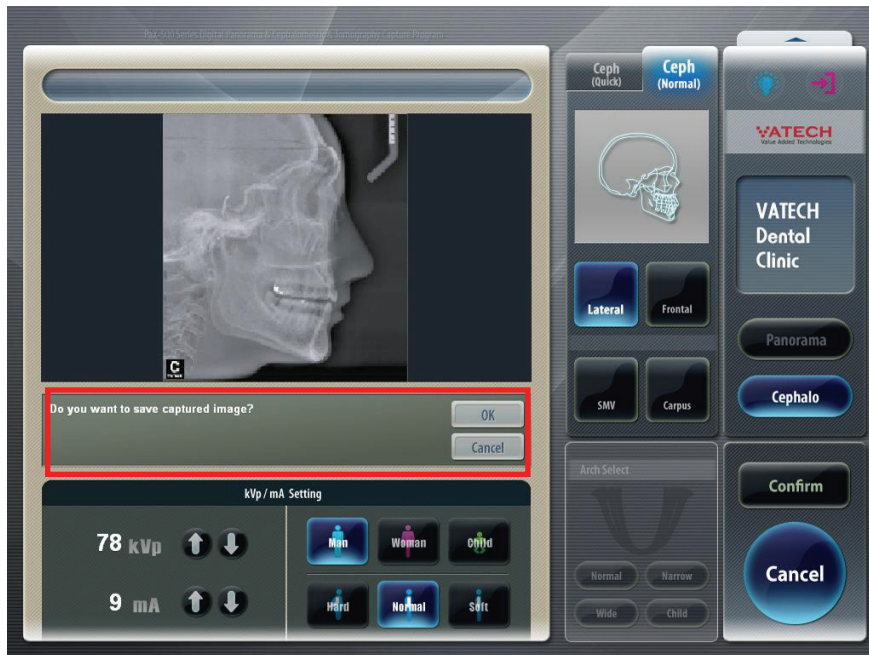


You should hold the exposure switch to capture image till capturing of image.



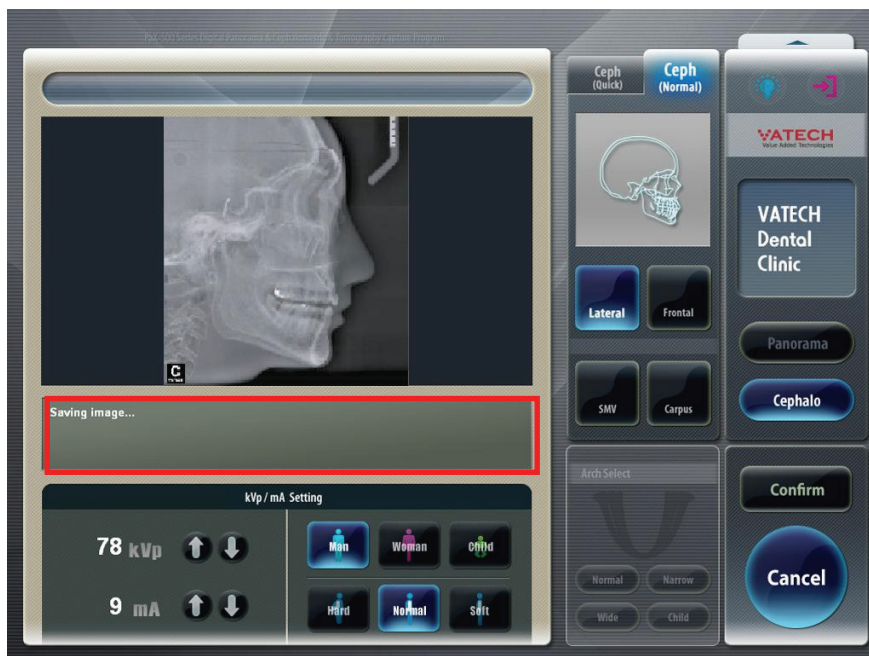


- ⑫ A captured image will be shown on program after optimizing.
And then click 'OK' if you want to save the captured image to DB.



Click 'OK' if you want to save the captured image to DB. Otherwise, click 'Cancel'.

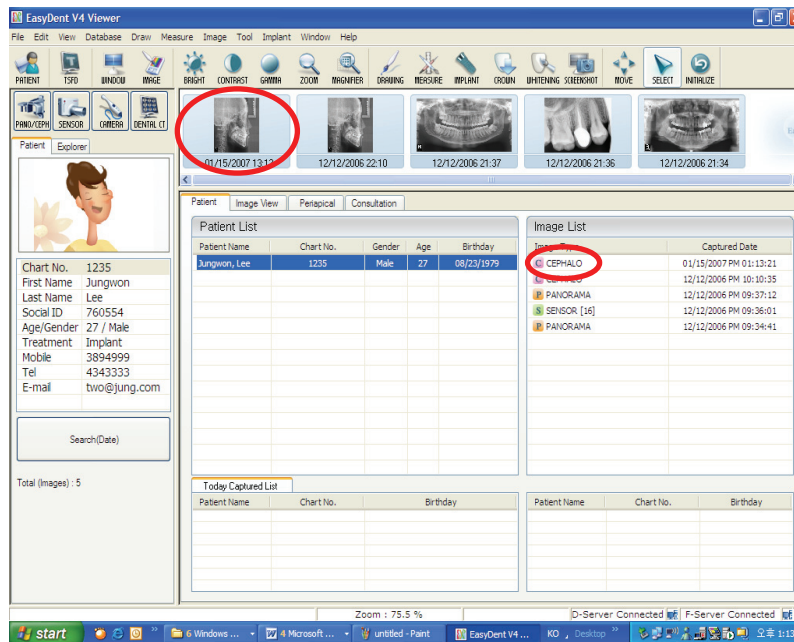
- ⑬ After saving, the program will ask you to capture image again.



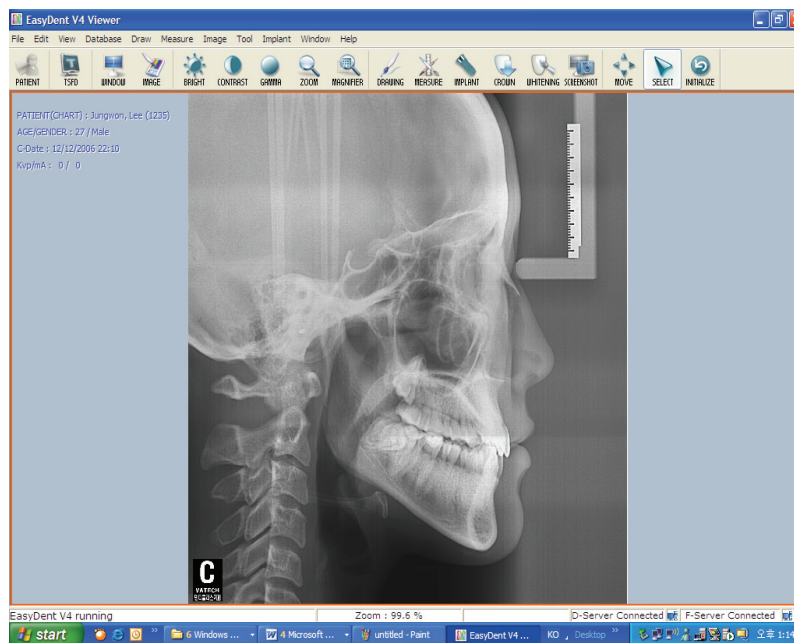


If you want to capture again, click 'OK', otherwise click 'Cancel'.

- ⑭ When you click the name of patient in patient list after imaging, the image list is reconfigured. Images recently captured appear in the left as shown in the figure. Double-click it to check the image in details.



✳ Final Cephalometric image checked through EasyDent V4 Viewer.



3.4. How to Use LCD Panel

3.4.1. Pano Standard (For Normal Imaging)



① Mode : select the mode for imaging.



② Pano Standard : Select to capture the image of Pano Standard mode (Select the Button of corresponding mode if you want to capture the image in Pano Special or Cephalo mode.)

③ Next : Move to the next stage. Press "Next" Button to move to the next stage. Press "Confirm" Button to go back to the main screen.



④ Normal : Capture the image of normal panorama (Press the Button of image to capture if you want to capture other image).

⑤ Next : Move to the next stage.



⑥ High Resolution / Fast Scan : Select this button to capture the image of High Resolution. Select this button to capture the image of Fast Scan.

⑦ Next : Move to the next stage.



⑧ Select Arch : select the arch suitable for patient (Wide, Normal, Narrow, Child).

⑨ Next : Move to the next stage.



⑩ Select Patient : Select the X-ray exposure conditions suitable for feature of patient (sex / bone density).

⑪ Select Kvp / mA : Directly select the X-ray exposure amount suitable for patient.

- ⑫ Confirm : Select the contents of setting and move to the main screen.

3.4.2. Pano Special



① Mode : Select the mode for imaging



② Pano Special : Select to capture the image of Pano Special mode.(Press the Button of corresponding mode to capture the image of Pano Standard or Cephalo mode).

③ Next : Move to the next stage.



④ Maxillary Clear : Capture the Maxillary Clear image(press the Button of image to capture if you want to capture other image).

⑤ Next : Move to the next stage.



⑥ Maxillary Clear Right / Left : select the direction of imaging(right or left)

⑦ Next : Move to the next stage.



⑧ Select Pateint : Select the X-ray exposure conditions suitable for feature of patient (sex / bone density).

⑨ Select Kvp / mA : Directly select the X-ray exposure amount suitable for patient.

⑩ Confirm : Select the contents of setting and move to the main screen.

3.4.3. Cephalo



① Mode : Select the mode for imaging.



② Cephalo : Select to capture the image of Cephalo mode (Select the Button of corresponding mode if you want to capture the image in Pano Standard or Pano Special mode).

③ Next : Move to the next stage..



④ Lateral : Select to capture the lateral image of head (press the Button of image to capture if you want to capture other image).

⑤ Next : Move to the next stage..



⑥ Select Patient : Select the X-ray exposure conditions suitable for feature of patient (sex / bone density).

⑦ Select Kvp / mA : Directly select the X-ray exposure amount suitable for patient.

⑧ Confirm : Select the contents of setting and move to the main screen.

4

Chapter 4 Emergency Measure

This Chapter describes problems that may occur when using the equipment as well as their solutions.

Troubleshooting

If a problem occurs while using the product, do not get embarrassed but check the following carefully and take necessary actions or request supports through customer support information.

| ● If device is not moving | |
|------------------------------|---|
| Cause | Resolution |
| Power status | Check the power of device. |
| Initialization status | Wait until the device is initialized and then try again. |
| Control PC connection status | Check the connection status of Serial Port(RS232) connecting PC and device. |

| ● If exposure switch is not working | |
|-------------------------------------|---|
| Cause | Resolution |
| Ready status | Check whether it is ready for capturing at imaging program. |

| ● If imaging is not working | |
|-----------------------------|---|
| Cause | Resolution |
| Initialization status | Wait until the device is initialized and try again. If it still does not work, turn it off and start again. |

| ● If Laser Beam is turned off and patient alignment cannot be performed | |
|---|--|
| Cause | Resolution |
| Alignment timeover | Press LAMP Button and carry out patient alignment. |



Moisture may cause fatal error to the equipment using electricity. Be careful not to allow leakage or penetration of water around it.

Appendix

1. Recommended X-Ray Exposure Table

1.1. Pano Standard

| Gender/Figure | Hard | Normal | Soft |
|---------------|--------------|--------------|--------------|
| Man | 72 kVp, 8 mA | 70 kVp, 8 mA | 68 kVp, 8 mA |
| Woman | 70 kVp, 8 mA | 68 kVp, 8 mA | 66 kVp, 8 mA |
| Child | 66 kVp, 7 mA | 66 kVp, 7 mA | 66 kVp, 7 mA |

1.2. Pano Special

| Gender/Figure | Hard | Normal | Soft |
|---------------|--------------|--------------|--------------|
| Man | 72 kVp, 8 mA | 70 kVp, 8 mA | 68 kVp, 8 mA |
| Woman | 70 kVp, 8 mA | 68 kVp, 8 mA | 66 kVp, 8 mA |
| Child | 66 kVp, 7 mA | 66 kVp, 7 mA | 66 kVp, 7 mA |

1.3. Normal Ceph

| Gender/Figure | Hard | Normal | Soft |
|---------------|--------------|--------------|--------------|
| Man | 78 kVp, 9 mA | 78 kVp, 9 mA | 78 kVp, 9 mA |
| Woman | 76 kVp, 9 mA | 76 kVp, 9 mA | 76 kVp, 9 mA |
| Child | 74 kVp, 8 mA | 74 kVp, 8 mA | 74 kVp, 8 mA |

1.4. Quick Ceph

| Gender/Figure | Hard | Normal | Soft |
|---------------|--------------|--------------|--------------|
| Man | 85 kVp, 9 mA | 85 kVp, 9 mA | 85 kVp, 9 mA |
| Woman | 83 kVp, 9 mA | 83 kVp, 9 mA | 83 kVp, 9 mA |
| Child | 80 kVp, 9 mA | 80 kVp, 9 mA | 80 kVp, 9 mA |

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If you do not properly set the device causing it to malfunction or fail, we cannot assume any responsibility.

VATECH

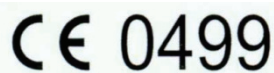
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The CE mark and the number 0499 are displayed in a large, bold, black font. The CE mark consists of the letters 'C' and 'E' in a stylized, sans-serif font, followed by the number '0499'.

CE symbol grants the product compliance to the European Directive for Medical Devices 93/42 as a class

IIB device. Authorized by **Grand-Duche De Luxemburg**.

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PaX-500

Panoramic & Cephalometric System

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