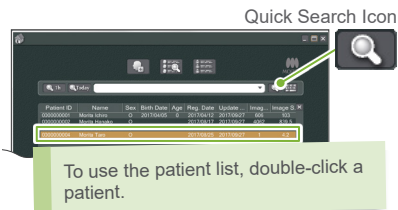


1 Preparation

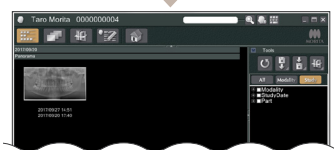
Start i-Dixel software

For a new patient:
 Register patient. ▶ See back of this page.

For a patient already registered:
 Enter the patient ID and click the Quick Search icon.



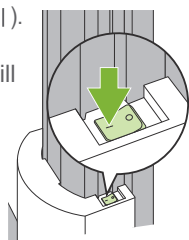
To use the patient list, double-click a patient.



The patient's image list will appear.

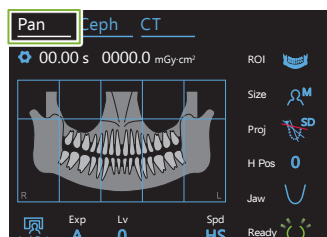
Turn On Power Switch

Press the Power switch (1).
 A dialogue message saying "Initialization" will appear; touch the Ok button.
 The arm will move to the patient entry position.



Set Exposure Conditions

Touch the Pan key to set the unit for panoramic exposure mode.
 Set and check the exposure conditions.



▶ See back of this page.

Set Up Rest Component

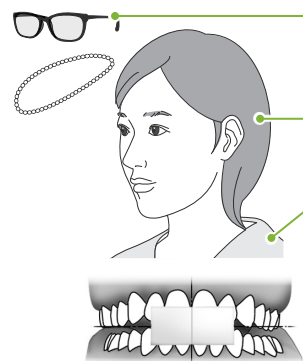
Turn the temporal stabilizer knob and open the stabilizers.
 Disinfect the chinrest or bite-block and set it in its holder.
 Put a disposable cover on the rest component.

▶ See back of this page.

2 Patient Positioning

Prepare Patient

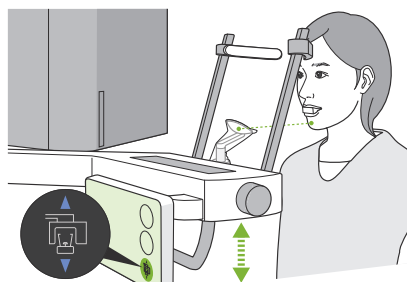
Take off glasses, necklaces, and other accessories.
 Undo hair tied up at the back of the head.
 Have the patient put on an X-ray protection apron etc.



For using the chinrest, have the patient bite on a mouthpiece (incisal occlusion).

Adjust Height of Lift

Adjust the height of the lift so that the height of the rest component matches the patient.



Patient Entry

Guide the patient into place and arrange his posture.

Have the patient stand up straight and hold his neck as perpendicular as possible.

If the patient stands too far back, the upper torso will lean forward and the neck will be slanted.

Right Wrong

Tell the patient to:
 PLEASE MOVE ONE STEP FORWARD.

Pull jaw in and make the line from the orbitale to the ear orifice horizontal.

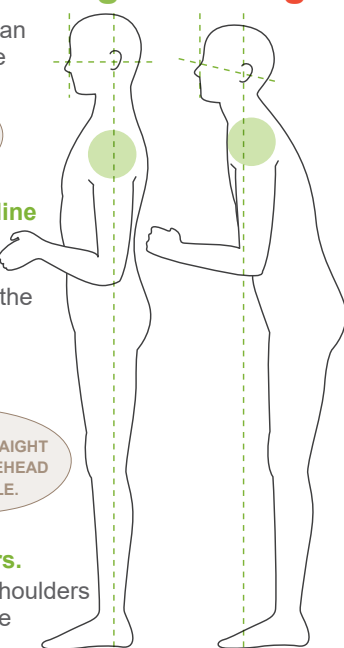
Low down the lift and have the patient pull in his chin.

I'M GOING TO LOW THE LIFT A LITTLE.

KEEP YOUR NECK STRAIGHT AND MOVE YOUR FOREHEAD FORWARDS A LITTLE.

Relax and lower shoulders.

Have the patient relax his shoulders and touch the patient handle lightly with his thumbs.

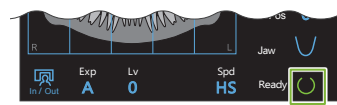


3 Positioning

Touch Ready Key

Touch the Ready key. The "Arm return" dialogue will appear; touch the Ok button.

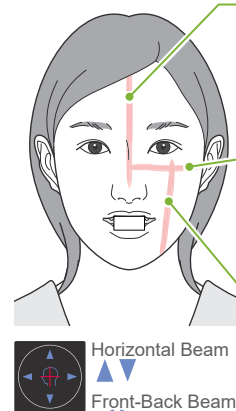
The arm will move and the beams will light up. The unit is now in **Ready state**.



If a dialogue asking to check the temporal stabilizers appears, touch the Ok button.

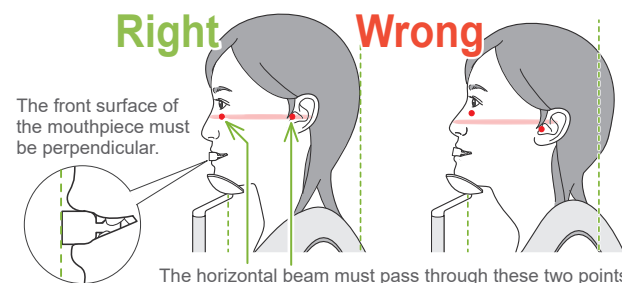
Line Up Beams

Mid-Sagittal Beam
Median Sagittal Plane
 Move the patient's head to line up the beam.
Horizontal Beam
Orbitale & Ear Orifice
 Press the Beam Up/Down switches to move it up and down.
Front-Back Beam
Distal Side of Upper Left Canine
 Line the patient up so that the beam is roughly in the right position. Move beam up or down for final alignment.



Right Wrong

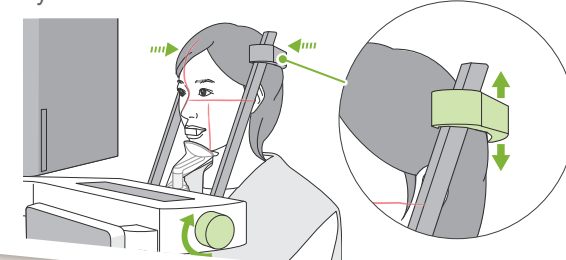
The front surface of the mouthpiece must be perpendicular.



The horizontal beam must pass through these two points.

Close Temporal Stabilizers

Adjust the height of the temporal stabilizers and then carefully close them with the knob.



Check Beam Positions and Leave X-ray Room

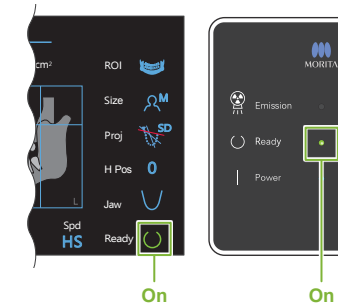
Check the positioning of the all beams. Give instructions for the exposure and then leave the X-ray room.

DO NOT MOVE YOUR HEAD DURING THE EXPOSURE, WHILE THE MELODY IS PLAYING.

PLEASE CLOSE YOUR EYES.

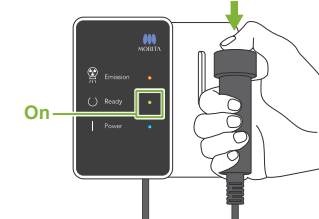
4 Exposure

Check Ready State



X-ray Emission

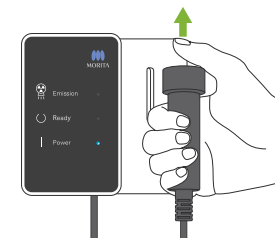
Hold down the Emission switch.



The arm will rotate and X-ray emission will start.
 The Emission LED (yellow) on the control box will light up and the melody will sound.

Exposure Completed

The melody stops when the exposure has been completed.
 The arm will move to the patient egress position.
 Release the Emission switch and hang it in its holder on the control box.



Quadruple TMJ Exposure

- Use the upper lip rest.
- Line up the front-back beam with ear orifice.
- Make 2 exposures: one with mouth open, another with mouth closed.

For details, refer to "Quadruple TMJ Exposure" in the Instructions for Use for Panorama and CT.

5 After Exposure

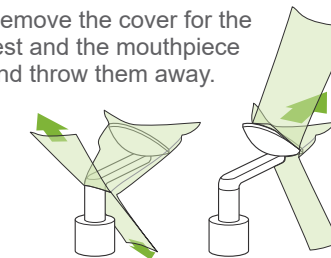
Patient Egress

Turn the temporal stabilizer knob and open the stabilizers. Guide the patient away from the unit.



Throw Away Disposable Cover

Remove the cover for the rest and the mouthpiece and throw them away.



Close Temporal Stabilizer

Turn the temporal stabilizer knob and close the stabilizers.

Touch Ready Key

Touch the Ready key. The "Arm return" dialogue will appear; touch the Ok button. The arm will return to its original position.

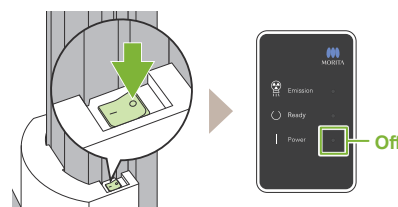
Image Transmission and Display

After the exposure, the data is sent to i-Dixel.

A message, "Panorama Reconstruction" will appear in i-Dixel. The image will be displayed after about 10 seconds.

Do not turn off the Power switch until image transmission has been completed.

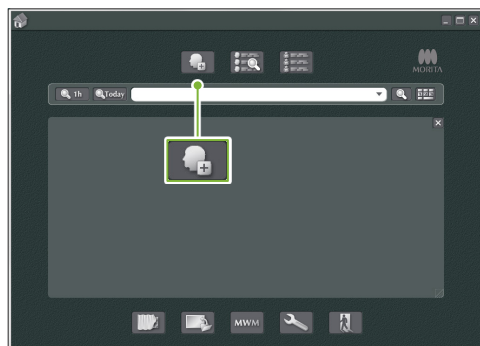
Turn Power Switch Off



Register New Patient (i-Dixel)

Click Register Patient Icon

Click the Register Patient icon.



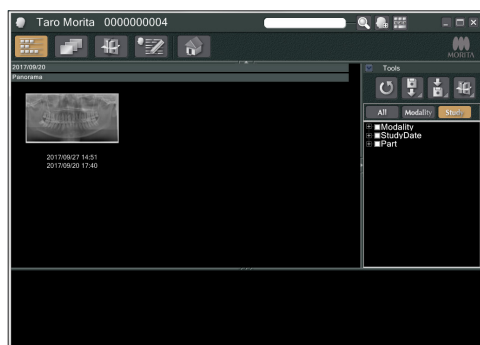
Enter Required Information

Fill out the form that appears and then click the Register button.

Patient ID, Name and Sex are required items.

Image List will Appear

An image list will appear and the software is ready for an exposure.



* For details refer to the Operations Instructions for i-Dixel.

Exposure Conditions

1. Panorama Exposure Mode Key

Settings Key

Hold down this key to save the current settings for exposure conditions. The Veraview X800 will load these settings as the default values from the next start-up.

In/Out Key

Touch this key to move the arm into position for patient entry and egress.

Blue icons and the Ready key are activated by touch.

2. Exposure Area (ROI)

3. Patient Size

4. Projection

5. Arm Height

6. Dental Arch Shape

Ready Key

Touch this key after guiding the patient into position. The beams will light up and the unit will be ready to make an exposure.

7. Exposure Setting 8. Auto Level 9. Scan Speed

2. Exposure Area (ROI)	3. Patient Size (Size)	4. Projection (Proj)	5. Arm Height (H Pos) [mm]	6. Dental Arch Shape (Jaw)	7. Exposure Setting (Exp)	8.		9. Scan Speed (Spd)		
						For Auto Exposure "A"	For Manual Exposure "M"			
						Auto Level (Lv)	Tube Voltage (kV)	Tube Current (mA)		
Dental Arch	C	Standard	15	Standard	A (auto exposure)	+6	90	*		
		Shadow Less				+5		10		
		Ortho				+4				
		OT				+3				
Maxillary Sinus	S	Anterior	0	Narrow	M (manual exposure)	+2	85		8	
		Posterior				+1				
						0		75		7
						-1				
TMJ	M	Standard	5	Wide	Off (no X-ray emission)	-1	70		6	
		Linear				-2				
		Linear				-3				
						-4				
Bitewing	L	Bitewing	15		M	-3	65	5		
						-2				
						-1				
						0				
					Off					

* For 85 or 90 kV, mA setting is from 2 to 9.

Patient Size

The set values for patient size is the sagittal length of the skull (A). The upper limit for the lift cannot accommodate patients taller than 180 cm. We recommend having patients who are too tall to sit down.

Patient Size	C (Child)	S	M	L
Sagittal Length (A)	Max. 17 cm		Max. 19 cm	19 – 21 cm



* The above values are estimates only. The dentist should judge this by the patient's body shape, skeletal structure etc.

Auto Level

With auto level, X-ray emission is adjusted during the exposure to obtain better image density.

- For more density touch the plus "+" key to raise the level.
- For less density touch the minus "-" key to lower the level.

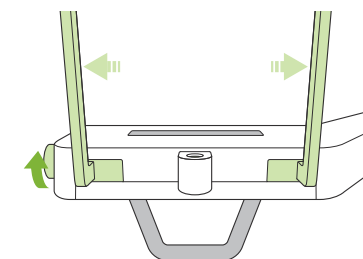
Set Up Rest Component

Set Up Rest Component

Turn the temporal stabilizer knob and open the stabilizers.

Wipe the chinrest or bite-block with ethanol (70 vol% to 80 vol%) and put it in the chinrest holder.

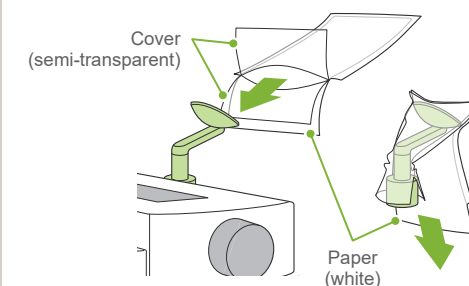
Before use, make sure the component is not scratched or damaged in any way.



Put Disposable Cover on Rest Component

For Chinrest

1. Open a disposable cover and put it on the chinrest.
2. Pull down the paper and peel it off.



For Bite-block

1. Peel off the paper of a chinrest disposable cover and cover the bit (the part of the bite-block the patient bites on) with it.
2. Twist the disposable cover and put the bit in the bite-block stand.
3. Put a bite-block cover on the bit.

