



## Understanding the Technology

The DC-Air™ Wireless Sensor is innovating dental imaging for the first time in decades through its convenience and comfort. Tripping hazards have been eliminated, making it a safer option for both the patient and clinician. In addition, the durability of the sensor is inherently improved because there isn't a wire to break. Most importantly, direct conversion technology found in the DC-Air™ improves image accuracy. Understanding the differences between traditional sensors and the DC-Air™ will help you achieve the best images. The benefits of this new technology come with the following recommendations for safe exposure and positioning techniques.

## Exposure Recommendations

Wall Mounts	Handhelds
70 KV	65 or 70 KV
6 - 8 MA	2 - 3 MA
.2 seconds / 14-18 pulses	.5 seconds

**Notes:** Some wall mounted x-ray devices allow you to change the KV/MA. If it isn't fixated, select the highest KV value (no more than 70). You cannot change the KV/MA on handheld devices, so increasing the exposure time compensates for the difference. You are welcome to use lower or higher exposure settings if desired. Reach out to your FTG representative for further assistance with your equipment.

## Positioning

**To achieve the best image quality with the DC-Air™, position the cone on your x-ray device against the patient's tissue or as close as you can. Use the picture tutorials below to determine the proper placement techniques with different x-ray devices.**

**Tips:** The ring included with the DC-Air™ Zero Profile Holder System is larger than traditional XCP rings. This new design allows the cone to pass through the ring when using wall mounted x-ray devices. The ring/bar system is NOT recommended when using handheld x-ray devices. Fulcruming on the cheek or chin with handhelds helps minimize motion blur and scatter radiation.

## Wall Mount Positioning

## Handheld Positioning

Bitewing



Posterior PA (mandibular)

Bitewing



Posterior PA (maxillary)



Anterior PA (mandibular)



Anterior PA (maxillary)



**\*Click on each picture to enlarge for more detail\***

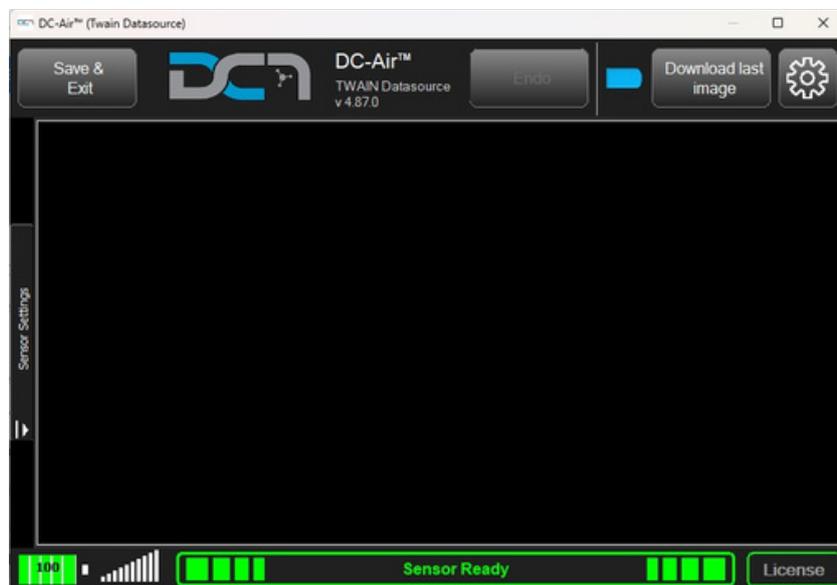
## Understanding the Workflow

The DC-Air™ uses a custom TWAIN driver to integrate with your imaging software. A representative from FTG will help install and customize the TWAIN settings to your preference. Follow the steps below to acquire images with the DC-Air™.

## Launching the Software

1. Place the DC-Air™ Wireless Sensor on the Docking Station.
2. Open imaging software and select the desired series or layout.
3. Select the DC-Air™ from the device menu if indicated.
4. Hit the acquire button in your imaging software.
5. Pick up the sensor and wait for the “Sensor Ready” status.
6. Place the sensor in a barrier sleeve and select a positioning device.
7. Continue taking images until the series is complete.

**Note:** Some programs require the “Save & Exit” button to close the TWAIN at the end of the series. Clicking this button will also end the series early if needed.



## Disinfecting Protocols

Proper cleaning of your equipment will ensure its safety and longevity. The DC-Air™ should always be returned to a Docking Station when you are finished cleaning it.

Sensor	Holder Set	Docking Station
Wipe with damp disinfecting cloth  Isopropyl, Cavicide & Opticide Safe	Steam Autoclave Safe (top rack only)  Statim Safe on Plastic Cycle	Wipe outer edges with damp disinfecting cloth  PRN
Do NOT autoclave  Do NOT spray or submerge in liquid  Do NOT place under UV disinfecting lamp	Do NOT place in ultrasonic or tarter removing solution  Do NOT place in cold sterile solution	Do NOT allow liquid or foreign objects to touch the charging port area  Do NOT clean with Acetone solution

**Note:** If the sensor is misplaced, you have up to 2 hours to locate it depending on your background settings before it goes into sleep mode. [Bluetooth locating apps like this](#) can be found in the Appstore on your smartphone. Once recovered, place the sensor on the Docking Station to wake it up or resume charging.

## Resources

Never hesitate to reach your FTG representative if you need help. The following resources have been included for your convenience.

### External Links

[Holder Training Video](#)

[Imaging Software Videos](#)

[Recommended Barrier Bags](#)

[Short Barrier Bags](#)

[XCP Compatible Sticky Tabs](#)

[XCP Compatible Metal Arms](#)

[Product Brochure](#)

[Website](#)

## Contact Us

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