

Thank you for purchasing the ModuPRO Endo. You now have the finest model designed to simulate various Endo procedures, outside of a patient. Your ModuPRO Endo comes with a high-quality aluminum adjustable articulator for attachment to a standard post. If mounting to a common simulation system, the four screws attaching the articulator to the upper and lower Carrier Trays can be removed. After each use, dry the magnets and surrounding area on the Carrier Trays to mitigate corrosion and provide years of use.

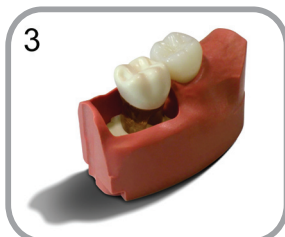
Each Endo module has a socket designed to accommodate one natural tooth no more than 25mm. The socket and teeth should be clean and dry before mounting the tooth. No materials other than Apex Putty™ and Fixing Gel™ should be used when mounting a tooth in the socket. To avoid contamination, the Endo module is a disposable item and the tooth cannot be removed once mounted. Adhere to the instructions below for proper tooth placement.



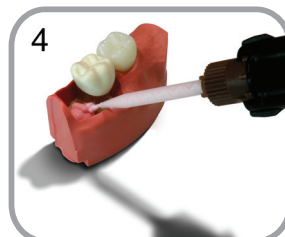
1. To help lock the tooth in the Fixing Gel, using a round bur, cut a horizontal notch in the coronal third of the tooth root on the facial and lingual surface. Do not enter the root canal space. **After notching, be sure the tooth is clean and dry before mounting in the module.**



2. Use only Apex Putty and place at the bottom of the socket as shown below.



3. Place tooth in the Apex Putty and align with the occlusal plane of the adjacent artificial tooth.

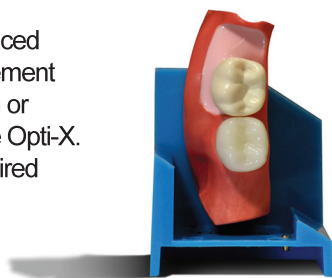


4. **Before use, bleed the syringe to ensure even extrusion of both materials and then attach the Mixing Tip.** Fill the entire socket around the tooth with Fixing Gel to cover the entire tooth's root surface to the CEJ. (The Fixing Gel is somewhat viscous so the flow can be controlled.)

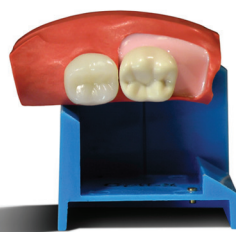
5. **Allow the Fixing Gel to set approx 30 minutes (full strength in 24 hrs).** An extra Mixing Tip is included with each syringe because the Fixing Gel sets-up inside the tip if time elapses between mounting. Keep the Fixing Gel syringe stored at room temperature when not in use  
Note: Mounted teeth should be stored in an air tight bag or container with moist cloth or gauze to help prevent tooth fracture during treatment.

## Taking Radiographs with the Opti-X with sphere

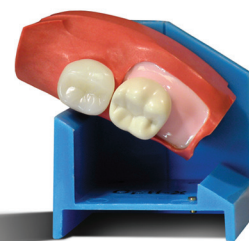
A 2mm sphere is conveniently placed in the Opti-X for an easy measurement reference. Place conventional film or digital sensor on the bottom of the Opti-X. Place the endo module in the desired location to achieve the angle you want (see illustrations).



(MD) Mesial-Distal



(BL) Buccal-Lingual



30 degree shift-shot

## Use of Apex Locator and helpful tips

- Note: You must have the ModuPRO Endo with apex locator ability and apex locator loops installed in the Carrier Tray in order to use with an electronic apex locator (EAL).
- Place a drop of water on the magnet to ensure conductivity. Dry when finished.
- Ensure all pulp tissue has been removed from the canal.
- If a lateral canal is present, dry the liquid below the canal.
- If there is a reading in the cervical area, you may have cervical leakage, a cervical lateral canal or a cervical perforation. Dry it with air and paper point.
- Make certain the loop and lip are in contact to ensure electrical continuity.
- A smaller file in a large canal may give you an erratic reading.
- Repeated use with the same tooth for too long may enlarge the foramen and create inaccurate readings.
- Other causes for inaccurate readings: hidden fracture in the root, canal obstructed by dentin shavings, canal calcification, open foramen or presence of large lateral canals.

All items can be purchased separately, including Fixing Gel, Apex Putty and individual endo modules from [www.acadental.com](http://www.acadental.com)

The ModuPRO is manufactured under one or more U.S. Patent Nos: 6,520,775; 6,988,894; 7,713,063; 8,235,727; 8,277,224. Other U.S. Patents Pending.

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