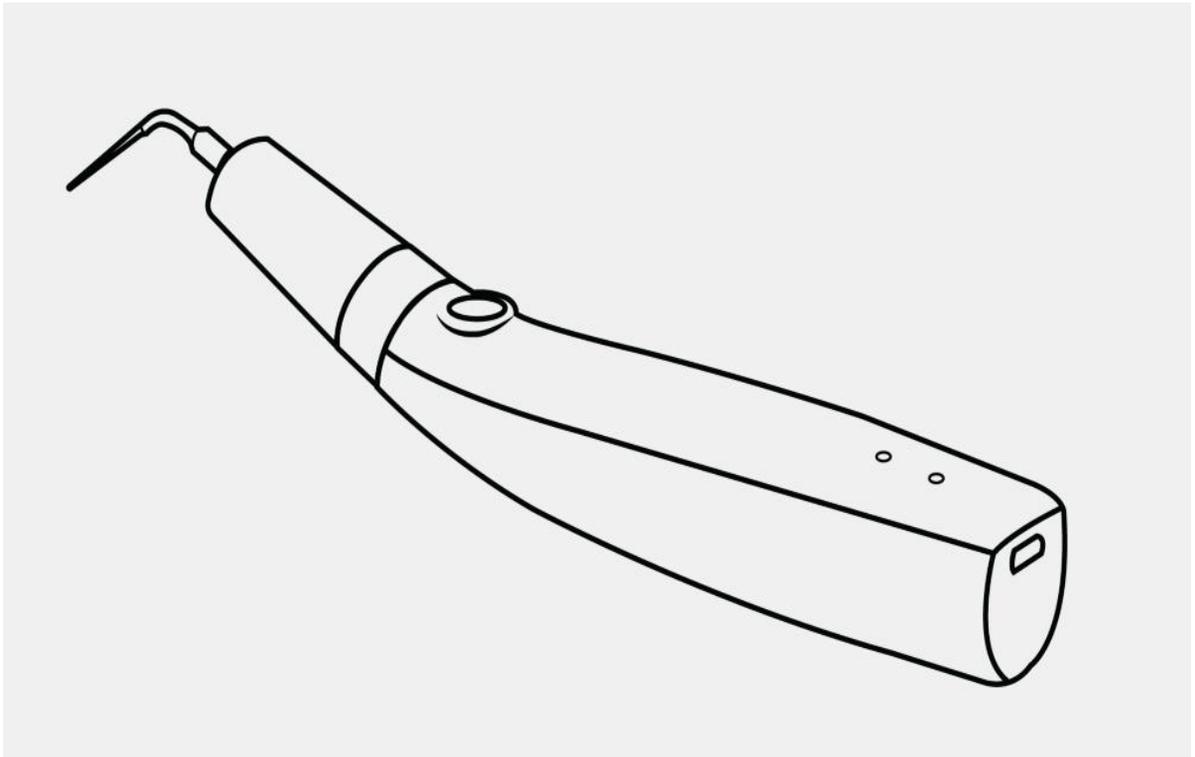


Endo Ultra Activator (ULTRA MAX)

User Manual



1. Why do we need it?

During root canal treatment, there are many impurities in the root canal of the tooth. Due to the determinants of the root canal body, it is difficult for us to completely and effectively clean the impurities inside. At this time, we need to use Endo Ultra Activator, which can be quickly removed with high-amplitude ultrasonic waves. Can effectively clean and reduce treatment time

2. Indication for Use

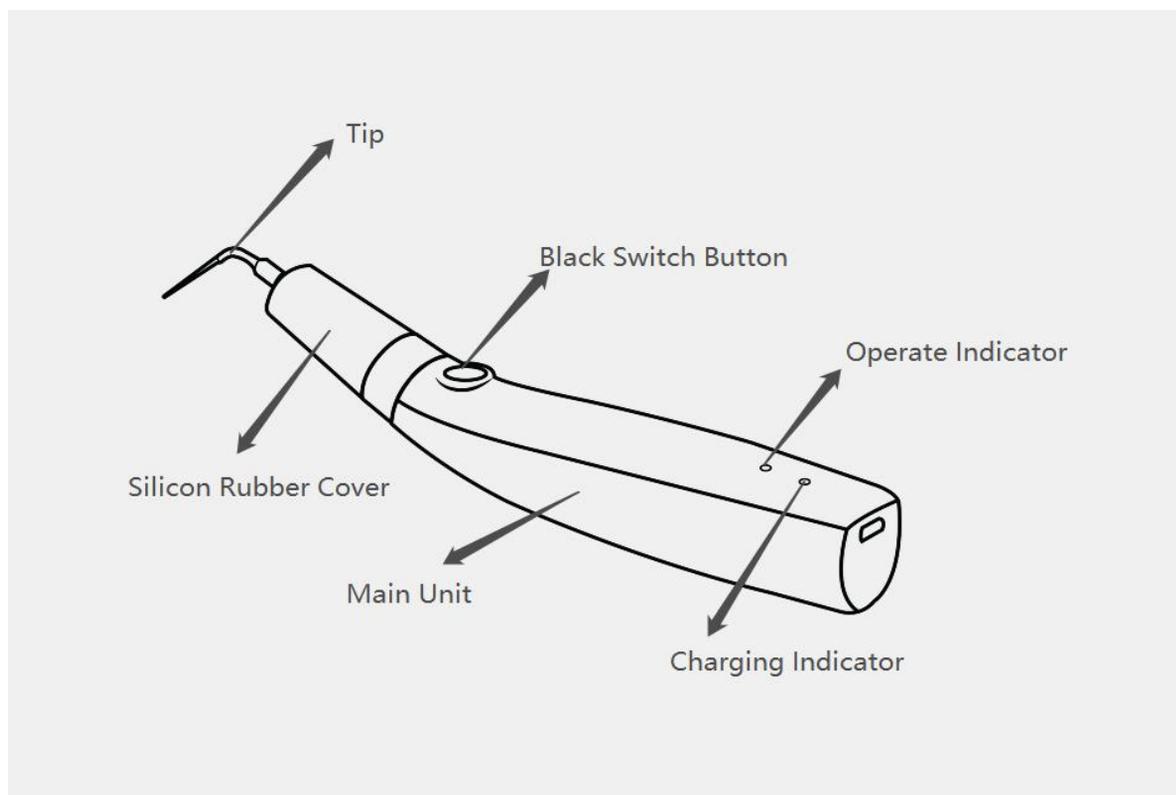
The endo ultra activator originally born from concentrated technology for ultrasonic activation of irrigation solutions with vibration frequency of 40KHz, to create cavitation and acoustic streaming in the irrigant

3. Advantages and Features

Relying on such innovation, better cleaning and disinfection quality could be reached as below:

- 3.1 Eliminates biofilm and smear layer
- 3.2 .Facilitates upward debris removal
- 3.3 Favors penetration of irrigants into the non-instrumented zones
- 3.4 Improve the sealing of the obturation
- 3.5 Reduces the microbial load
- 3.6 Improved activation
- 3.7 Ultrasonic devices, like the Endo Ultra, both of them are 89% effective in cleaning of the canal completely free from dentine debris, compared to the Sonic group of 5.5%--6.7%.
- 3.8 Activation of the irrigant resulted in significantly more dentin debris removal, ultrasonic activation was significantly more efficient than sonic activation

4. Preparation Before Use



4.1 Battery charging

Battery inside handpiece could support about 4 hour's operation under standard treatment when operate indicator turns on.

4.2 When operate indicator flashes, battery recharging shall be requested.

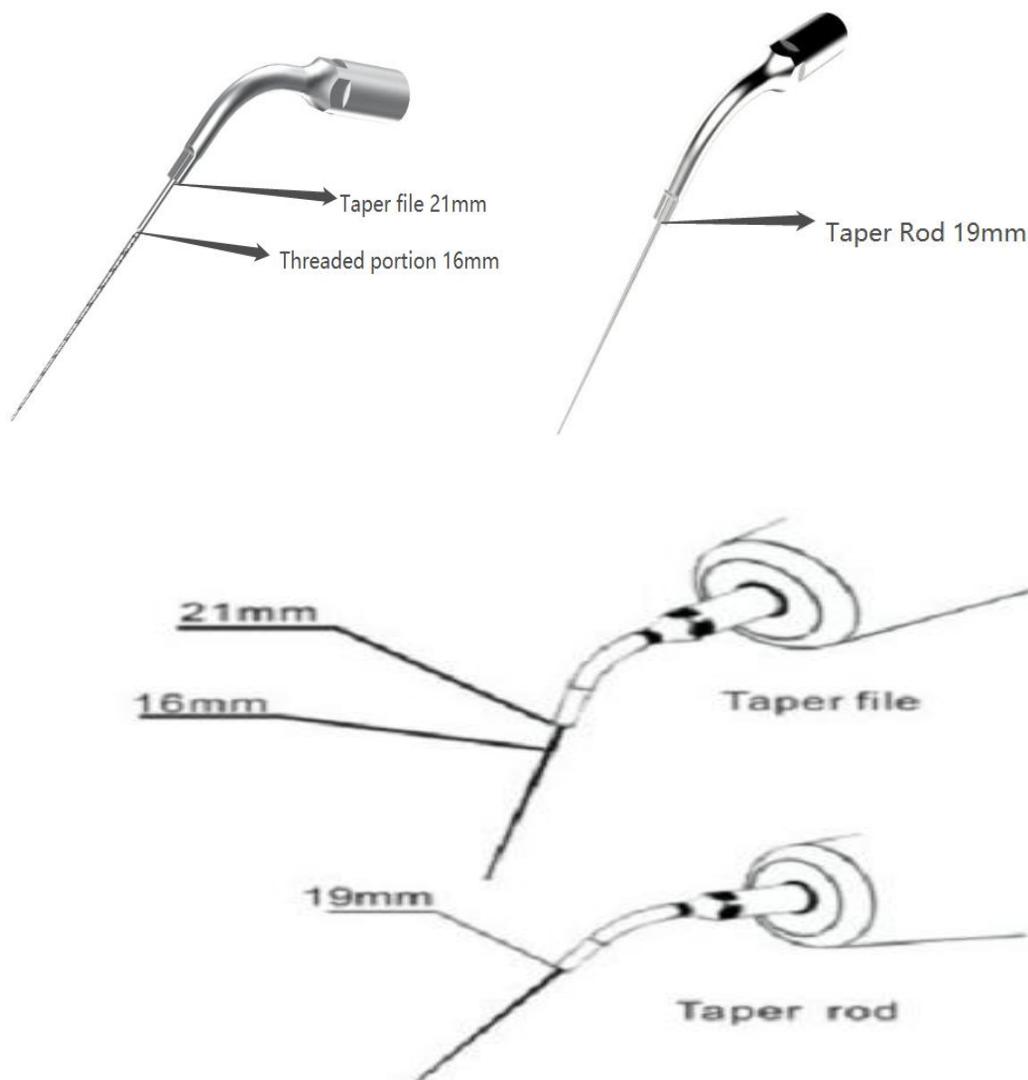
4.3 Charge indicator would switch to yellow color when connecting handpiece to power plug, and would turn off when battery is fully charged

5. Cleaning and Disinfection

5.1 Before or after every usage, it is necessary to clean all surfaces by sterile gauzes or tampons

5.2 Before each usage, rubber cover and irrigator tips must be sterilized at 134°C/0.22Mpa for 3 min.

6. Depth Marking



6.1 Working part length of taper file is 21mm, and the threaded portion is 16mm.

6.2 Working part length of taper rod is 19mm

7. Assembly before use

Assemble black rubber cover into handpiece, and connect tips into screw port, then use wrench to fasten tips together with screw port of handpiece to avoid loose during operation

8. Operation Instructions

8.1 Press black button to turn on/off handpiece. When indicator turns on, means operation starts, and stop when it indicator turns off

8.2 Flush root canal by irrigants, and move vertically up and down with amplitude of 2-3mm, and keep 2mm at least between tips and apex locator

8.3 Activate irrigants inside root canal with 30-60 seconds' vibration to reach perfect cleaning performance of root canal

8.4 Suggest to vibrate 20 seconds per time.

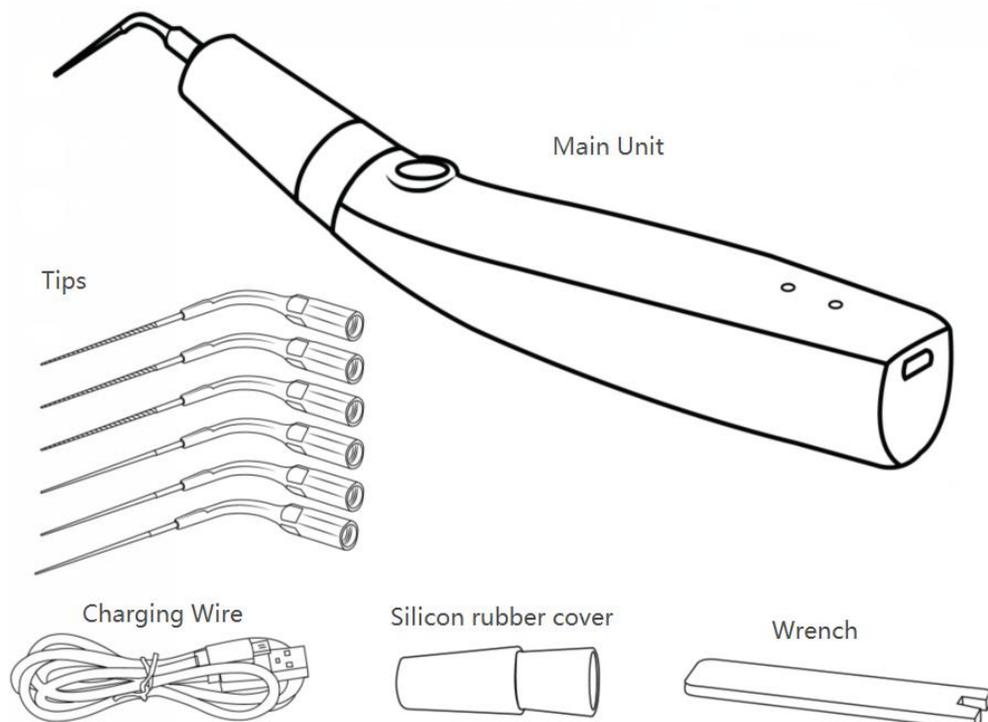
8.5 Overuse to tips will bring potential separation risk, so should be no more than 50 times



NOTE: Due to the high frequency vibration, it is difficult to see with the naked eye.

When the equipment is in working condition, please do not touch it with your hands!

9. Packing List and Quick Details



Main Unit	Tip	Silicon rubber cover	Wrench	Charging Wire	Package Size	Gross Weight
1pcs	6pcs	3pcs	1pcs	1pcs	205*95*75mm	382g

10 Warranty:

Main Unit ---1 Year

Spare parts--- Consumable items will exclude to Warranty