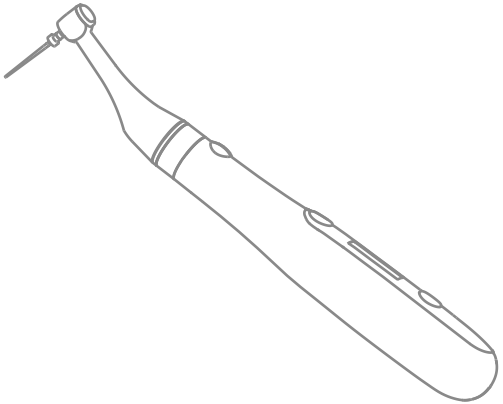
2026.5.21

COXO®

User Manual / Endo Motors



C-Smart-mini2 CE 0197

COXO®

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a. Field strengths from fixed transmitters, such as base stations for radio(cellular/ cordless)telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the model C-Smart-mini2 is used exceeds the applicable RF compliance level above, the model C-Smart-mini2 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the model C-Smart-mini2.

b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3V/m.

Recommended separation distances between portable and mobile RF communications equipment and the model C-Smart-mini2

The model C-Smart-mini2 is intended for use in electromagnetic environment in which radiated RF disturbances is controlled. The customer or the user of the model C-Smart-mini2 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the model C-Smart-mini2 is recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = 1.2 \times \sqrt{P}$	80 MHz to 800 MHz $d = 1.2 \times \sqrt{P}$	800MHz to 2.7 GHz $d = 1.2 \times \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters(m)can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts(W)accordable to the transmitter manufacturer.

Note 1: At 80 MHz and 800 MHz. the separation distance for the higher frequency range applies.

Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

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01 / Safety

Warning:

Please read these safety warnings carefully before use. They are intended to ensure safe and proper operation of the device.

1) The equipment must be used within the scope mentioned in the manual, shall not operate or use the equipment for other purposes.
2) When using external power supply,please make sure that the voltage is within the voltage range indicated by the power adapter, otherwise it may cause harm to the operator or the patient.
3) The use of non-original accessories, especially other contra angle, power adapters, may be dangerous to the patient or operator, with damage to the instrument.
4) To avoid electric shock, do not insert other objects into the machine. This may cause electric shock or equipment damage.
5) Avoid cleaning agent from entering the instrument to avoid short circuit and failure.
6) When the instrument is seriously abnormal due to improper use or physical damage, the equipment should be stopped and shut down immediately. If repair is required, please contact the manufacturer or local distributor. Only the manufacturer and distributor can open the device.
7) Please use the ISO 3630 standard and intact root canal expansion file, otherwise it may cause the root canal expansion file to break during operation and cause injury accidents.
8) TheThe device has electromagnetic interference, do not be used in patients with cardiac device or around electronic surgery.
9) Unstable voltage and in the electromagnetic field will interfere with the normal operation of the equipment.
10) For the discarding of batteries and other accessories, please comply with local regulations.
11) Incorrect replacement of lithium batteries causes unacceptable risks, and untrained personnel causes hazards(source)(such as overtemperature, fire or explosion). Users should not replace the battery without authorization.

Guidance & Declaration - Electromagnetic immunity

The model C-Smart-mini2 is intended for use in the electromagnetic environment specified below. The customer or the user of the model C-Smart-mini2 should assure that it is used in such an environment.

Immunity test	IEC 60601 Test level	Compliance level	Electromagnetic environment-guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms 150 kHz to 80 MHz	Portable and mobile RF communications equipment should be used no closer to any part of the model C-Smart-mini2, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance** $d = [\ 3,5/V_1\ ] \times \sqrt{P}$ $d = 1.2 \times \sqrt{P}$ 80MHz to 800MHz $d = 2.3 \times \sqrt{P}$ 800MHz to 2.7GHz where P is the maximum output power rating of the transmitter In watts(W)according to the transmitter manufacturer and d is the recommended separation distance in meters(m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey,[a] should be less than the compliance level in each frequency range.[b] Interference may occur In the vicinity of equipment marked with the following symbol:
Radiated RF IEC 61000-4-3	6 Vrms in ISM and amateur radio bands 10 V/m 80 MHZ to 2.7 Ghz 385MHz-5785MHzTest specifications for ENCLOSURE PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC60601-1-2: 2014+A1:2020)	6 Vrms in ISM and amateur radio bands 10 V/m 80 MHz to 2.7 Ghz 385MHz-5785MHz Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communication equipment (Refer to table 9 of IEC60601-1-2: 2014+A1:2020)	

Note 1:At 80 MHz and 800 MHz. the separation distance for the higher frequency range applies.

Note 2:These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Guidance & Declaration - Electromagnetic immunity			
The model C-Smart-mini2 is intended for use in the electromagnetic environment specified below. The customer or the user of the model C-Smart-mini2 should assure that it is used in such an environment.			
Immunity test	**IEC 60601 Test level**	**Compliance level**	**Electromagnetic environment-guidance**
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV,±4 kV, ±8kV,±15 kV air	±8 kV contact ±2 kV,±4 kV, ±8kV,±15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2kV for power supply lines ±1 kV for Input/ Output lines	±2kV for power supply lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±0.5 kV, ±1 kV line to line ±0.5 kV, ±1 kV,±2 kV line to ground	±0.5 kV,±1 kV line to line	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and Voltage variations on power supply input lines IEC 61000-4-11	<5% U_T (>95% dip in U_T) for 0.5 cycle <5% U_T (>95% dip in U_T) for 1 cycle 40% U_T (60% dip in U_T) for 5 cycles 70% U_T (30% dip in U_T) for 25/30 cycles <5% U_T (>95 % dip in U_T) for 5 sec	<5% U_T (>95% dip in U_T) for 0.5 cycle <5% U_T (>95% dip in U_T) for 1 cycle 40% U_T (60% dip in U_T) for 5 cycles 70% U_T (30% dip in U_T) for 25/30 cycles <5% U_T (>95 % dip in U_T) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the model C-Smart-mini2 requires continued operation during power mains interruptions, it is recommended that the model C-Smart-mini2 be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: U_T is the a.c. mains voltage prior to application of the test level.			

02 / Symbols

	Thermodisinfectable	134°C	Sterilizable in a steam sterilizer(autoclave)at the134℃
	General Warning		Refer to instruction manual/booklet
	Type B applied part		Class II equipment
	This way up		Keep dry
	Direct current		Fragile, handle with care
	Do not dispose of the product into the ordinary municipal waste or garbage system		Indoor use only
	Date of manufacture		Caution
SN	Serial number		Manufacturer
	Stand-by	MD	Medical device
REF	Catalogue number	CE 0197	CE Marking
EU REP	Authorized representative in the European Community/ European Union		

Serial number:

SN YMXX - XXXX

- XXXX: serial number, The coding order is 0001, 0002, …
- YMXX: lot number, X represents batches, M represents month and Y represents year

03 / Intended use

For use in the root canal treatment, including shaping and cleaning during root canal preparation.

It can only be used by professional dentists in hospitals or dental clinics.

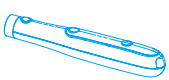
04 / Indication

Application disease: Pulpitis, Periapical inflammation.

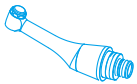
05 / Contraindications

- If the patient has a pacemaker(or other electronic device)and has been warned against small appliances(such as electric razor, hair dryer, etc.).
- This equipment shall not be used for the preparation of severely bent root canals.
- Use it with caution in patients with heart disease,pregnant women and children.

06 / Components and Accessories



Motor handpiece



Contra-angle



AC adapter



Transmission cable



Wrench



Grease nozzle

16 / EMC

This product needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided, and this instrument can be affected by portable and mobile RF communications equipment.

⚠ Caution

- Do not use a mobile phone or other devices that emit electromagnetic fields, near the instrument. This may result in incorrect operation of the instrument.
- This instrument has been thoroughly tested and inspected to assure proper performance and operation!
- This instrument should not be used adjacent to or stacked with other instrument and that if adjacent or stacked use is necessary, this instrument should be observed to verify normal operation in the configuration in which it will be used.

Serial number	Name	Cable Length(m)	Whether to shield	Remarks
1	Adapter output line	1.2	No	
2	Transmission cable	0.4	No	

Guidance and manufacture's declaration – electromagnetic emission		
The model C-Smart-mini2 is intended for use in the electromagnetic environment specified below. The customer or the user of the model C-Smart-mini2 should assure that it is used in such an environment.		
Emissions test	**Compliance**	**Electromagnetic environment - guidance**
RF emission CISPR 11	Group 1	The model C-Smart-mini2 uses RF energy only for theirs internal function. Therefore, theirs RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emission CISPR 11	Class B	The model C-Smart-mini2 is suitable for used in domestic establishment and in establishment directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

No value on the apex locator	Transmission cable is faulty	Replace the transmission cable
	Transmission is not connected properly	Refer to chapter 7.4 and check the connections

This product can be simple(such as replacing the contra angle)on-site maintenance by professional operators or nursing staff. If damage is found, please contact the company's after-sales service department for maintenance.

14 / Disposal of Medical Instruments



In accordance with the principles, standards and requirement of the country(region)in which you are located, dispose of the old electrical equipment. Ensure that pollution is not produced in the process of waste disposal.

15 / Guarantee

1) This device contains no user-serviceable parts. Repairs must be carried out only by service personnel authorized by the manufacturer.

2) The motor handpiece is covered by a 24-month warranty from the date of purchase. The accessories supplied with the device are covered by a 6-month warranty. Worn or damaged accessories can be purchased from our company.

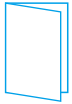
3) The guarantee is valid for normal usage conditions. Any modification or accidental damage will render the guarantee void.



Contra-angle silicone covers



Silicone Base

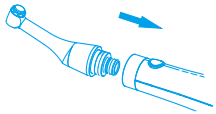


User Manual

The specific quantity is subject to the packing list.

07 / Installation

7.1 Contra angle



Installation:

Align the Contra-angle with the motor handpiece and insert it horizontally until a "click" sound confirms secure attachment.

The Contra-angle can rotate 360° freely.

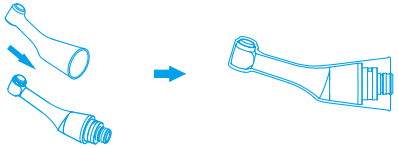
Removal:

Pull the contra angle straight out horizontally to remove it.

Warning

- Before each use, inspect the motor handpiece and Contra-angle for damage.
- Handle the Contra-angle carefully to prevent damage from drops or impact.
- Do not connect or disconnect the Contra-angle while the motor is running.

7.2 Contra-angle Silicone Covers



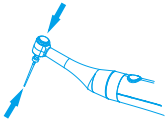
Installation:

Slide the contra angle silicone covers onto the contra angle until it is fully installed in place.

Removal:

Remove the contra angle silicone covers directly from the contra angle.

7.3 File



Installation:

Hold down the push button on the contra-angle.

Insert the file and rotate it slightly until it aligns with the latch groove and slips into place. Release the button to lock the file securely.

Removal:

Press the contra angle push button and pull the file out axially at the same time.

⚠ Warning

- The rod of the file must comply with the requirements of Type 1 rod in ISO 1797.
- Select a suitable file according to root canal preparation needs. Step-by-step from small to large, same type recommended.
- Files are consumable. Replace worn-out files promptly to prevent breakage.
- Do not use bent, twisted or otherwise damaged files.
- Turn off the device before inserting or removing files.
- Press the push button during file insertion/removal to avoid damage to the chuck mechanism and the file.

12 / Technical Specifications

Adapter	100V-240V~50/60Hz
	Output: 5V ⎓ 2.0A Input: 20VA
Li-ion battery	D.C. 3.7V 800mAh
Degree of Protection against Electric Shock	Type B applied part
Classification of Protection against Electric Shock	Class II (Adapter)
Revolution speed	100-1000 r/min
Torque	0.6N ·cm-3.9N ·cm
Mode of operation	Non-continuous,5min on,1min off
Degree of Protection (IEC 60529)	IPX0
Applied part	Contra angle
Contra angle speed ratio	6:1
Contra angle material	Aluminum and stainless steel
Overvoltage category	Class II
Pollution degree	Degree 2

13 / Troubleshooting

If the equipment is not working properly, please check the equipment according to the following table before calling our sales service center.

Problem	Cause	Solution
Cannot power on	Battery power is insufficient	Charge in time
Cannot charge	The adapter is not reliably connected	Check that the adapter connection is reliable
The battery has short time	Battery charging is insufficient	The charging time is kept for 5 hours or the charge is fully charged

Functional Testing, Maintenance	Visual inspection for cleanliness of the instruments and reassembling. Functional testing according to instructions of use. If necessary, perform reprocessing process again until instrument is visibly clean. Defective accessories should be immediately discarded. The defects include:plastic deformation and corrosion Maintenance is not required. Instruments oil must not be used.
Packaging	Pack the instruments in an appropriate packaging material for sterilization. The packaging material and system refer to EN ISO 11607.
Sterilization	Sterilization of instruments by applying a fractionated pre-vacuum steam sterilization process(according to EN 285/EN 13060/EN ISO 17665) under consideration of the respective country requirements. Minimal requirements: 3 min at 134°C In EU, 5 min at 134°C is required. Maximal sterilization temperature: 137°C.
Storage	Storage of sterilized instruments in a dry, clean and dust free environment at modest temperatures refer to label and instructions for use.
Reprocessing validation study information	The above-mentioned reprocessing process (cleaning, disinfection sterilization) has been successfully validated.
Additional Instructions: None	
It is the duty of the user to ensure that the reprocessing processes including resources, materials and personnel are capable to reach the required results. State of the art and often national law requiring these processes and included resources to be validated and maintained properly.	

11 / Operating,Transport and Storage Environment

Operating environment

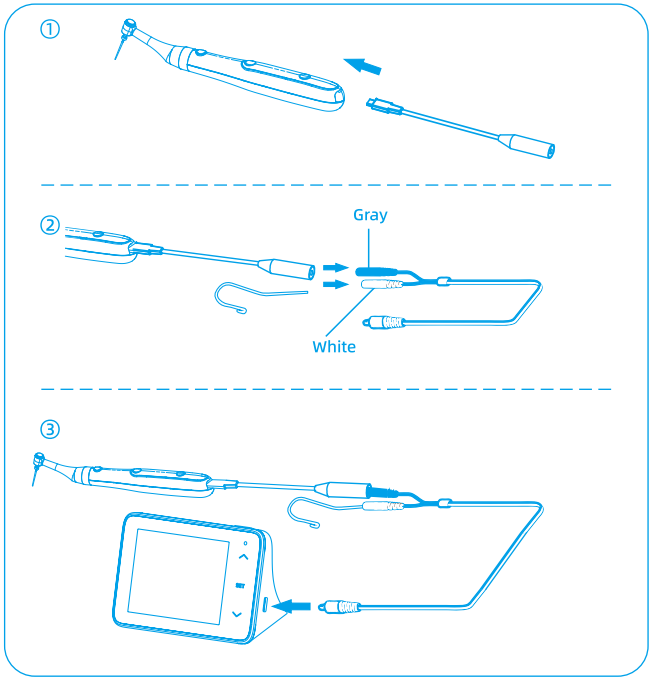
Working temperature	+5°C - +40°C
Working humidity	20% - 80%
ALT	≤2000m

Transport and Storage environment

Storage temperature	-10°C - +55°C
Storage humidity	≤93%
Atmospheric pressure	50kPa - 106kPa

- This equipment should be carefully placed away from the source.
- Do not mix with toxic, corrosive, flammable and explosive items during storage.
- Excessive impact and vibration should be prevented during transportation, and should be carefully released.

7.4 Connecting the Transmission cable



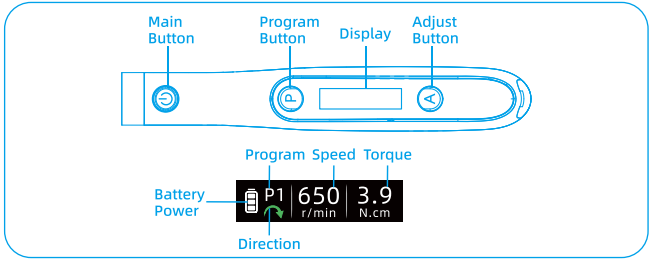
Prepare the apex locator and its accessories.

- Open the cap at the rear of the motor handpiece, and insert the Type-C connector of the transmission cable into the socket at the end of the motor handpiece.
- Connect the round plug of the transmission cable to the gray port of the measurement wire, and insert the lip hook into the white port of the measurement wire.

Properly connect the measurement wire to the apex locator, ensuring all connectors are fully engaged and secure.

08 / Usage

8.1 Button and Display Screen



8.2 Power On/Off

To turn on: Long press the Main button until the screen lights up.

To turn off: Long press the Main button again until the device shuts down.

8.3 Program Selection

The device has five programs.
In standby mode, short press the Program button (P) to switch between the different programs.

P1-P3: Continuous Rotation Mode

1) The file rotates forward at the preset speed. When the torque exceeds the preset value, the device automatically reverses. When the torque decreases to below 70% of the preset value, forward rotation resumes automatically.

2) Adjustable parameters:

- Speed: 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 800, 1000 r/min.
- Torque: 0.6~3.9 N·cm (increment of 0.3 N·cm)

P4: Reciprocating Mode

1) The file rotates alternately clockwise and counterclockwise according to the preset angles.

2) Adjustable parameters:

- Speed: 150, 300 , 450 r/min
- Angle:150° / 30°, 180° / 60°, 210° / 60°, 30° / 150°, 60° / 180 °, 60° / 210°

Pre-Cleaning	**Following instruction are only relevant for Contra-angle!** **Not use automated cleaning, disinfection and sterilization for other parts than Contra-angle in this system!** Do a manual pre-cleaning, until the instruments are visually clean. Submerge the instruments in a cleaning solution and flush the lumens with a water jet pistol with cold tap water for at least 10 seconds. Clean the surface with a soft bristol brush.
Cleaning	Regarding cleaning/disinfection, rinsing and drying, it is to distinguish between manual and automated reprocessing methods. Preference is to be given to automated reprocessing methods, especially due to the better standardizing potential and industrial safety. Automated Cleaning: Use a washer-disinfector meeting the requirements of the ISO 15883 series. Put the instrument into the machine on a tray. Connect the instrument with the WD by using suitable adapter and start the program: Put the instrument into the machine on a tray. Connect the instrument with the WD by using suitable adapter and start the program: • 4 min pre-washing with cold water (<40°C) • Emptying • 5 min washing with a mild alkaline cleaner at 55°C • Emptying • 3 min neutralizing with warm water (>40°C) • Emptying • 5 min intermediate rinsing with warm water (>40°C) • Emptying The automated cleaning processes have been validated by using 0. 5% neodisher MediClean forte (Dr Weigert) Note Acc to en ISO 17664 no manual reprocessing methods are required for these devices. If a manual reprocessing method has to be used, please validate it prior to use.
Disinfection	Automated Disinfection: Automated Thermal Disinfection in washer/disinfector under consideration of national requirements in regards to A0-Value (see EN 15883). A disinfection cycle of 5 min disinfection at 93°C has been validated for the device to achieve an A0 value of 3000.
Drying	Automated Drying: Drying of outside of instrument through drying cycle of washer/ disinfector. If needed, additional manual drying can be performed through lint free towel. Insufflate cavities of instruments by using sterile compressed air.

10 ／ Cleaning, Disinfection and Sterilization

Device	Contra angle and Motor handpiece. The procedure for cleaning, disinfection and sterilization applies only to the accessories contra angle.
ADVICE	Reprocessing procedures have only limited implications to a surgical instrument. The limitation of the numbers of reprocessing procedures is therefore determined by the function/wear of the device. There is no limit of maximum allowable reprocessing cycles. The device should no longer be reused in case of signs of material degradation. In case of damage the device should be reprocessed before sending back to the manufacturer for repair.
Reprocessing Instructions	
Preparation at the Point of Use	Disconnect the contra angle from handpiece. Remove gross soiling of the instrument with cold water(<40°C)immediately after use. Don't use a fixating detergent or hot water(>40°C)as this can cause the fixation of residuals which may influence the result of the reprocessing process. Store the instruments in a humid surrounding.
Transportation	Safe storage and transportation to the reprocessing area to avoid any damage and contamination to the environmen.
Preparation for Decontamination	The devices must be reprocessed in a disassembled state. Only contra angle can be cleaned and disinfected with automated methods and sterilized with steam sterilization process. Do not sterilize the Motor handpiece and AC adapter. The Motor handpiece and AC adapter cannot be cleaned and disinfected in a washer/disinfector. For these parts, only general wipe decontamination is possible!
Decontamination of other parts than Contra-angle	After operation, take out the Motor handpiece and AC adapter on the work bench. Soak a soft cloth completely with distilled water or deionized water, Decontamination and wipe all the surfaces of these components, until the surface of the parts the components is visually clean. For decontamination, soak a dry soft cloth with 75% alcohol or other contra-angle, File clip,disinfects which are approved for its efficacy by CE marking, FDA and Health Canada Approval lighting device: Wipe all surfaces of Motor handpiece, AC adapter and other components with the wet soft cloth for about 3 minutes. Please follow the instructions of manufacturer of disinfectant swipe the surface of the component with a dry soft lint-free cloth.

P5: Reciprocating Mode OGP

1) The OGP mode is designed for ledge elimination during root canal treatment. The file performs a specific reciprocating motion:
Forward 240°, reverse 240°, forward 240°, reverse 330°, repeating cyclically.

2) Adjustable parameters:
Speed :200, 300, 400, 500 r/min

P6: OTR Mode OTR

1) During operation, when the torgve reaches the trigger torque, the motor performs reciprocating motion at the selected angle.During operation,when the load is reduced, the motor automatically resumes forward rotation.
When the torque reaches the trigger torque,the motor will reciprocate by reverse 180°. and forward 270°.
2) Application: Suitable for continuous rotary files. The file motion follows a cycle of: "Press → Engage→Withdraw" , with overall advancement into the root canal.
3) Adjustable parameters:
Speed :100, 200, 300, 400, 500 r/min

8.4 Setting Program Parameters

1) Long-press the **Program button(P)** to enter the adjustment interface of the current program.
2) Short-press the **Program button(P)** to cycle through the adjustable parameters: Speed, Torque, and Reciprocating Angle. The selected parameter will flash in blue.
3) Short-press the **Adjust button(A)** to increment the value of the currently selected (blue flashing)parameter.
4) Long-press the **Program button(P)** or press the power switch button to return to standby mode.
5) If no operation is performed within 5 seconds, the current settings will be saved automatically.

Caution

- Speed, Torque, and Angle cannot be adjusted while the file is working.
- Do not use files designed for reciprocating motion in Continuous Rotary File Mode.
- The file system shown on the display must always match the file in use.

8.5. Select Rotation Direction

Short pressthe **Adjust button(A)** to switch the file's rotation direction.
When the file is in reverse rotation, the buzzer will beep once per second.

 Forward  Reverse

8.6 Pre-operation Check

The equipment needs to be checked before use to ensure that the equipment is not abnormal.

Before use, run the instrument outside the oral cavity to make sure it is operating normally.

8.7 Apex Locator Function

When using the Apex Locator function, prepare the apex locator and connect the related accessories.

Once the measurement circuit is established, the Apex Locator screen will display the root canal length indicator bar.

8.8 Start/Stop Operation

Short press the Main button to start the motor.

Short press the Main button again to stop the motor; the device returns to standby mode.

8.9 Motor Calibration

Long press the **Program button(P)** and the **Adjust button(A)** at the same time to start the calibration.

The screen display is as shown in the figure 

The device is automatically calibrated, the successful calibration screen shows"OK", and the buzzer prompts the calibration.

Caution

- Before calibration, ensure the file is inserted and free of load.
- The equipment is in the working state and cannot be calibrated.

8.10 Battery capacity

The number of bars on the display indicates the remaining battery level. When only one bar remains, please recharge the device promptly.



Caution

- Users should not replace the battery without authorization.
- When the battery level is low, the device issues a low-battery alert: the buzzer sounds and the battery icon flashes red.
  - In standby mode, the device automatically powers off after approximately 5 seconds of low-battery alert.
  - During operation, the device automatically powers off after approximately 20 seconds of low-battery alert.

8.11 Charging

1) Insert the power adapter output line into the charging port of the device, and connect the adapter plug to the power supply.
2) When charging, the screen dynamically displays the charging status. After charging, the system automatically stops charging, and the battery icon is kept unchanged at the full power level.

 Charging state  Charging interface when fully charged

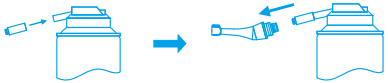
3) Charge the device continuously for at least 2.5 hours. It is recommended to recharge the device promptly when the battery level is low to avoid interruption during use.

Caution

- Using a non original charger may damage the device.
- Excessive charging time may damage the battery.
- If the user loses the charger, they should purchase a charger of the same specification and comply with IEC 60601-1 standard.

09 / Lubrication

1) Remove the contra-angle from handpiece.
2) Mount the tip nozzle into the spray can port and align the nozzle to the contra-angle, Spray lubricating oil into contra-angle until clean liquid flows out.



Caution

- When the head overflows with clean liquid,the entire cleaning and maintenance steps should be repeated.
- It is recommended to inject lubricating oil before sterilization.