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E-CONNECT & E-PEX

Cordless Endomotor & Apex Locator



Torque Calibration



Powerful 1500 mAh Lithium Battery



Digital OLED Display



Integration Option



Low Noise Motor



Screen Cast / Mirroring



Ambidextrous * Display

*User can rotate the Endomotor Screen towards left or right

*In connect function Endomotor mirrors Apex Locator's screen





Five Reciprocation Modes (MO)



Reverse Reciprocation-One Mode
Counter clockwise & clockwise movement

Fwd 30° - Rev 150°
For reciprocating files



Forward Reciprocation-Four Modes
Clockwise & counter clockwise movement

Fwd 150° - Rev 30° Fwd 180° - Rev 30°
Fwd 210° - Rev 30° Fwd 250° - Rev 30°
For all continuous rotation files



Nine Editable Memory Programs (M1 to M9)

-  Maximum Speed 1000 rpm
-  360° Clockwise Rotational Movement
-  Editable Speed / Rpm Setting
-  Editable Torque setting
-  Forward Direction of Rotation
-  Reverse Direction of Rotation
-  Torque Auto Reverse






One Piece Contra Angle Head

-  340° Adjustable Handpiece
-  Detachable Head
-  Miniature Head
-  Autoclavable



Integrate Endomotor with Apex Locator (Connect Function)

-  Auto Start & Stop
-  Apical Reverse
-  Apical Slow Down

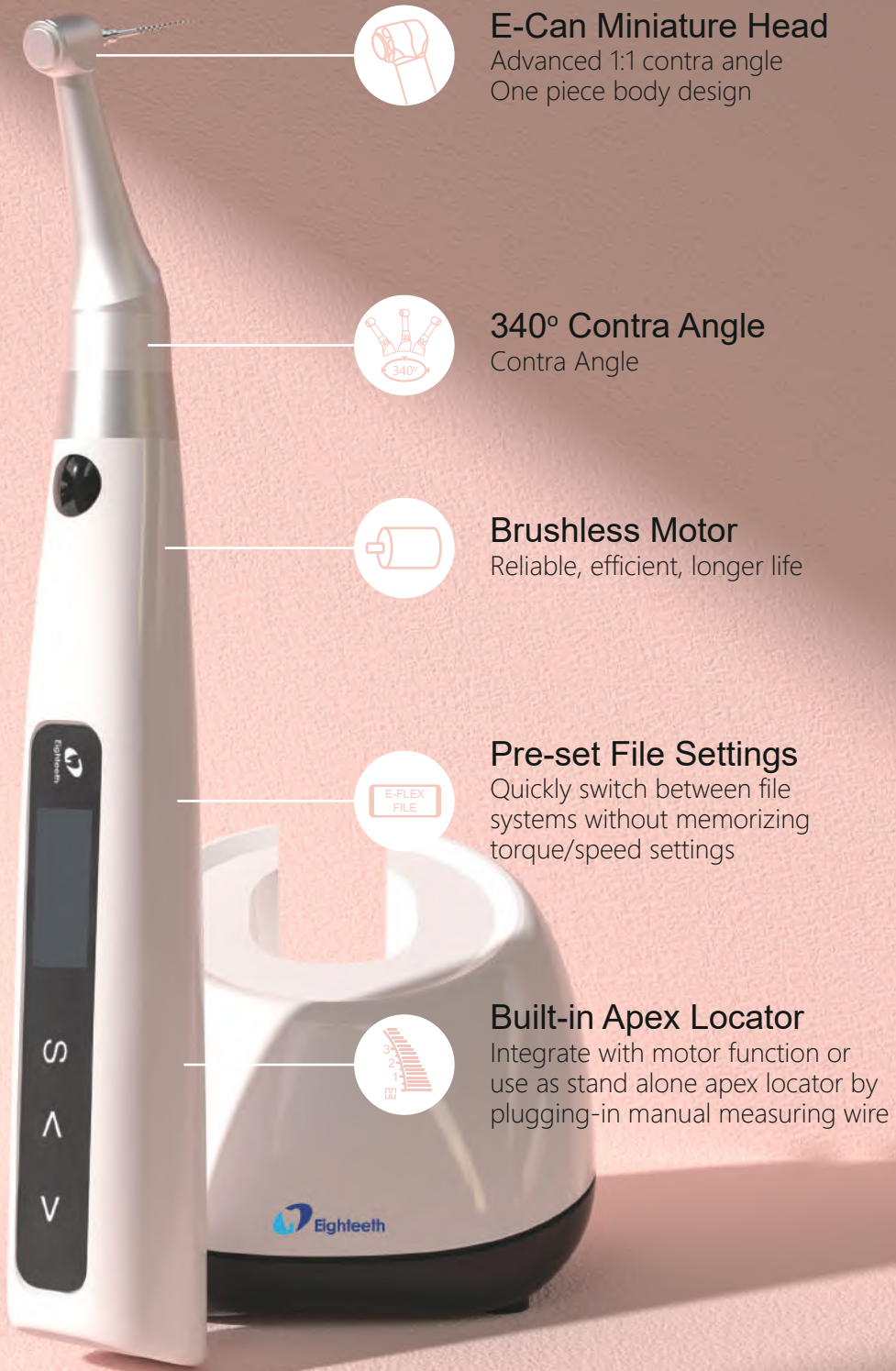


Smart Accurate and Reliable Apex Locator

- Advanced Multi - frequency Technology
- High Precision in Wet & Dry Canals
- Large 3.5" LCD Display
- Automatic Calibration
- Compact Size & Stable Design
- Powerful 1500 mAh Lithium Battery

E-CONNECT S

Endomotor With Built-in Apex Locator



E-Can Miniature Head

Advanced 1:1 contra angle
One piece body design



340° Contra Angle

Contra Angle



Brushless Motor

Reliable, efficient, longer life



Pre-set File Settings

Quickly switch between file systems without memorizing torque/speed settings



Built-in Apex Locator

Integrate with motor function or use as stand alone apex locator by plugging-in manual measuring wire



Torque Calibration

For precise torque output



OLED Screen

Digital OLED Display



Ambidextrous Display

Screen can be rotated as per Left or right hand use

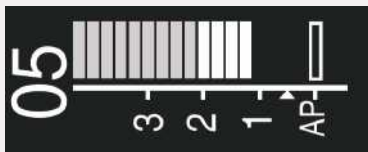


Powerful Battery

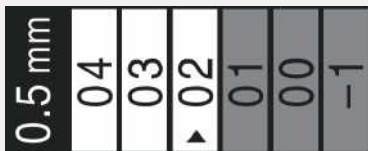
Heavy duty 1500mAh Lithium battery



M0 - Stand Alone Apex Locator Mode



Apex Locator Bar



Zoom-in & Flash Bar
(when file goes beyond 0.5mm)

APEX LOCATOR

- **Apical control with rotary instruments**
Position of file is displayed on screen and the motor rotates in reverse direction when file reaches pre-set apical working length, to prevent over instrumentation
- **Manual canal measurement**
Manual file clip can be used to measure canals precisely with hand files
- **Multi frequency technology with high accuracy & precision**
- **Apex locator flash bar with zoom-in function**

Working Modes:

- **FWD** - Clockwise Continuous Rotation
- **REV** - Anti-clockwise Continuous Rotation
- **REC** - Reciprocation Movement
 - First-in-class cordless open motor with adjustable angles of rotation
 - ranging from 30° to 370° for reciprocation as per user's need
 - First-in-class feature of speed adjustment in reciprocation mode
- **ATC** - Adaptive Torque Control
ATC manages the file stress in a smart way. When torque limit is reached, instead of going into reverse mode, motor reciprocates till the stress is reduced. Once back to below pre-set torque level, file will again rotate in continuous rotation



Integrated mode features:

- **Auto Start & Stop** - Motor starts working when the file enters inside root canal, and stops when withdrawn
- **Apical Reverse** - When the file reaches pre-set apical reverse point, user can define whether the file starts moving in reverse direction
- **Apical Slow Down** - To preserve the cemento-dentinal junction and avoid file separation, speed of motor slows down when file is in apical region

Specifications:

Rotational Speed Range : 120-1000 rpm
 Torque Range : 0.5-4.0 N.cm
 Memory Programs : 11 (M0 to M10)
 Battery Capacity : 1500 mAh

Ultra X

Cordless Ultrasonic Activator

Available Tips

Size	Length(mm)
#20 2%	18 & 21
#25 2%	18 & 21



Autoclavable
Tips



Smooth
Surface
Finish



Flexible
Tips

*Only X Blue & Silver are Flexible Tips



Multiple Tip
Options



Key Features



Ultrasonic
Activation
Device



45 kHz
High
Frequency



Application
Based
Multiple
Tips



1500 mAh
Powerful
Battery



Key Features



Two Power
Modes with
LED Indicator



Contra-
angle
Design



Light
Weight &
Ergonomic



Cordless
Irrigation
Device



Battery



1500 mAh
Lithium
Battery



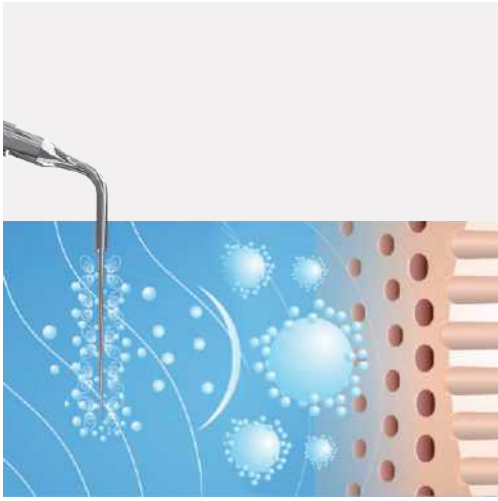
Battery
Level
Indicator



4.5 Hrs of
Continuous
Operation



Option of
Direct
Plug & Play



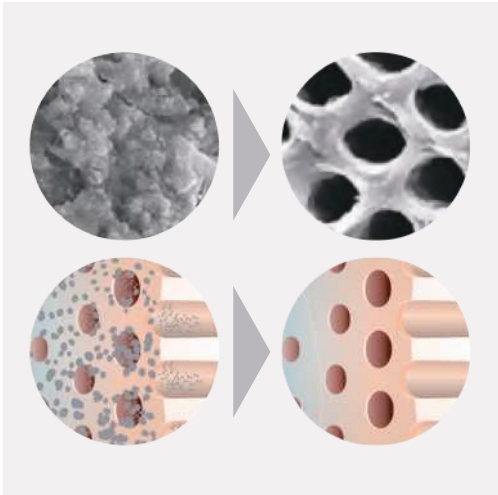
In Action

Cavitation Effect

It is the process of formation of millions of gas bubbles in the irrigation solution. These gas bubbles grow in size, oscillate in different directions and explode into the liquid, producing powerful cleaning action

Acoustic Streaming

It is a unidirectional flow of liquid produced by ultrasonic waves. Movement of tip produces special effect called acoustic turbulence which accelerates the movement in liquid inside the root canal



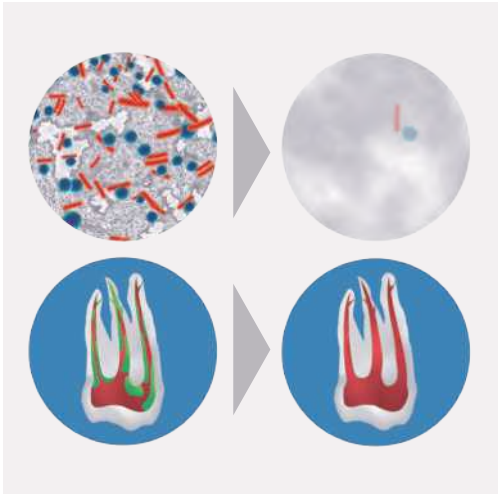
Indication

Smear Layer Removal

Effective in removal of smear layer and unplugging of dentinal tubules

Dentin Chips Removal

Ultrasonic agitation forms suspension of residual dentinal chips and tissue remnants with irrigant and facilitates their easy removal



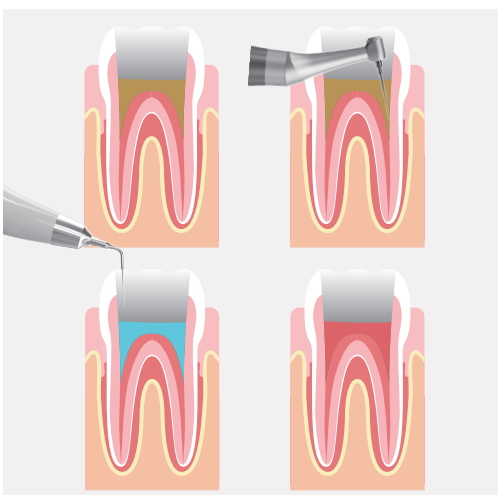
Indication

Biofilm Disruption

Ultrasonic cavitation disrupts the biofilm and helps to reduce bacteria load in the canal

Cleaning of Complex Anatomy

Ultrasonic activation helps irrigants to flush into undetected or un-instrumented canal anatomy like isthmus, fins, lateral canals, apical ramification etc. Also helps to remove vapour lock



Protocol

- Prepare the root canal up to required size with the help of shaping and finishing instruments
- Choose the desired disinfectant and flushing agents for cleaning, debridement and disinfection of canals
- Fill the chosen irrigation solution into the canal, never run Ultra X without irrigating solution
- Select the Ultra X tip of desired size and length which passively fits into canal, always keep 2 - 3mm short of apex
- Activate solution using short vertical up & down strokes for 30 seconds. Be careful to not breach apical 2mm
- Use the device gently and never apply pressure or wedge the tip inside the canal. If any points of resistance, then retrieve the ultrasonic tip
- Replenish the irrigating solution, use suction to remove the loose debris. Repeat the cycle 4 to 5 times
- Completely dry the canal and fill it with choice of obturation material
- It is always recommended to isolate the tooth using rubber dam and use personal protective barriers like head gear, mask, eyeglasses etc

FAST-FILL FAST-PACK

3D Obturation
Devices





Temperature Range



- Wide temperature range of 90° to 250°
- Five memory programs to customize temperature and cut-off time as per obturation material used or any other intended use of the device

Internally Heated Tip



- Only the working end (4 - 6 mm) of the tip is heated - avoids need for insulating sleeves
- The non-working end is insulated and stays cool avoiding soft tissue burn

Class-leading Controlled Heating



- Fast heating - Quick heating prevents PDL damage
- Swift cooling - Swift cooling ensure GP does not follow along the heating tip

Experience Ergonomics



- 360° start / stop ring button allows holding the device in any angle comfortable for you
- Left - right handed operation
- Comfortable grip, light in weight

Powerful Battery



- Highly efficient 2600mAh Lithium battery
- Direct Plug & Play - In case of low battery, use the device directly with adaptor

Specifications

Heating Time	0.2 seconds for 200 °C 0.5 seconds for 250 °C
Cooling Time	2 seconds for cooling
Charging Time	2 hours to complete charge
Operating Time	4 hours of continuous operation at 250 °C



Small
(Black)
40/0.025 - 1 Qty



Medium
(Yellow)
50/0.05 - 1 Qty



Large
(Blue)
60/0.06 - 1 Qty



Fast-Fill Tips



- Autoclavable silver tips for multiple usages
- Silver tips maintain the thermoplastic temperature of GP and offers smooth flow inside canal
- 360° rotating tip for easy filling at all angles
- Extra long needle offers convenience and visibility
- Easy to maintain and replace

Motorized GP Flow



- Provides consistent flow of GP at desirable rate
- Precludes voids and makes obturation homogeneous
- Eliminates hand fatigue that resulted from earlier gun type devices

Comprehensive Display



- Three customizable memory programs - T1 to T3
- Temperature range 100 °C - 200 °C
- GP flow rate - Low, Medium, High
- Reserve GP level indicator

Intuitive Design



- Sleek and ergonomic hand-piece
- Simple push button to dispense GP
- LED indicator reflects when the device is ready for use

Powerful Battery



- Highly efficient 2600mAh Lithium battery
- Direct Plug & Play - In case of low battery, use the device directly with adaptor

Specifications

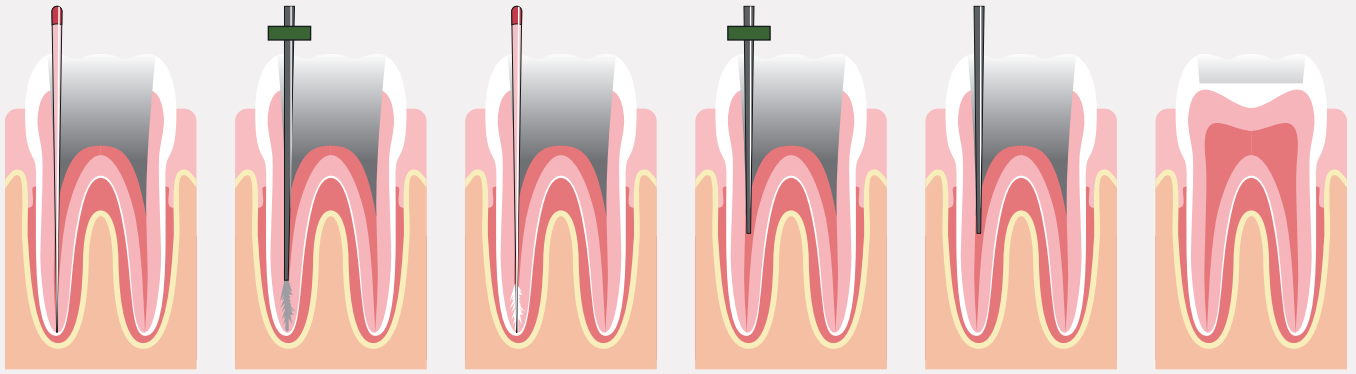
Heating Time	20 seconds to 200 °C
Charging Time	4 hours to complete charge
Hexagonal Wrench	Use the wrench to bend the tip, rotate the tip and clean the device



23 Gauge
Large



25 Gauge
Small



Protocol for Use

- **Master Cone Verification & Resizing**

Select a master cone which corresponds to the master apical preparation. Check for tug-back and confirm the same with radiograph. Resize the GP by cutting it to 0.5 to 1mm short of the working length. This will prevent peri-apical extrusion of the GP

- **Selection of Fast-Pack & Plugger Tip**

Select the Fast-Pack tip which reaches 4-5 mm short of the working length and give a snug fit at the tip. Mark this length using the silicon stopper. Similarly, select the hand plugger which reaches 4-5mm short of the working length

- **Gutta Percha & Sealer**

Coat the master cone apically with the sealer and insert it into the canal. Brush the canal wall using strokes of GP and sealer

- **Down Pack with Fast-Pack**

Remove the GP from the orifice/coronal part with the help of heated Fast-Pack tip. Plug the GP cone with pre-fit hand plugger at the orifice. Now take the heated Fast-Pack tip 4-5mm short of the working length. The bite of GP will come out of the canal along with the tip. Heated Fast-Pack tip will transfer heat to the GP and convert it into thermoplastic state. Condense the GP with the help of hand plugger to ensure the complete sealing of accessory canals and apex

- **Fill with Fast-Fill**

Filling the canal using the Fast-Fill device in increments of 4mm till the canal is filled completely while condensing the warm GP with the appropriate plugger after each increment

Curing Pen

4 LEDs curing light

Technical parameter:

Dimension: 24*21*230(mm)

Net Weight: 109g

Lens size: 11mm

Power supply:

>1200 times, 3 Sec

Maximum light intensity



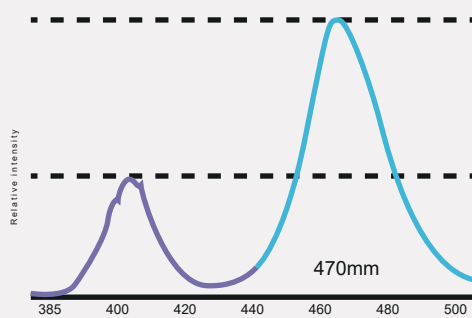


Smart controlling chip
keeps light output consistent

Light intensity:

1000mw/cm², 1500mw/cm², 2300mw/cm²

600 mw/cm²(detect mode)



Wavelength:385-515nm
3 Blue, 1 Violet, 10w LED



360° rotatable head

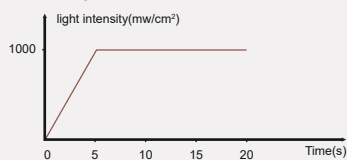


Intensity digital display

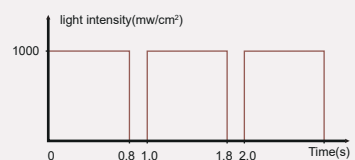


Multiple Curing Options

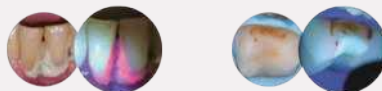
Ramp mode



Pulse mode



Caries detection



AirPex

Wireless Apex Locator

International Patent No.:PCT/CN2019/110429





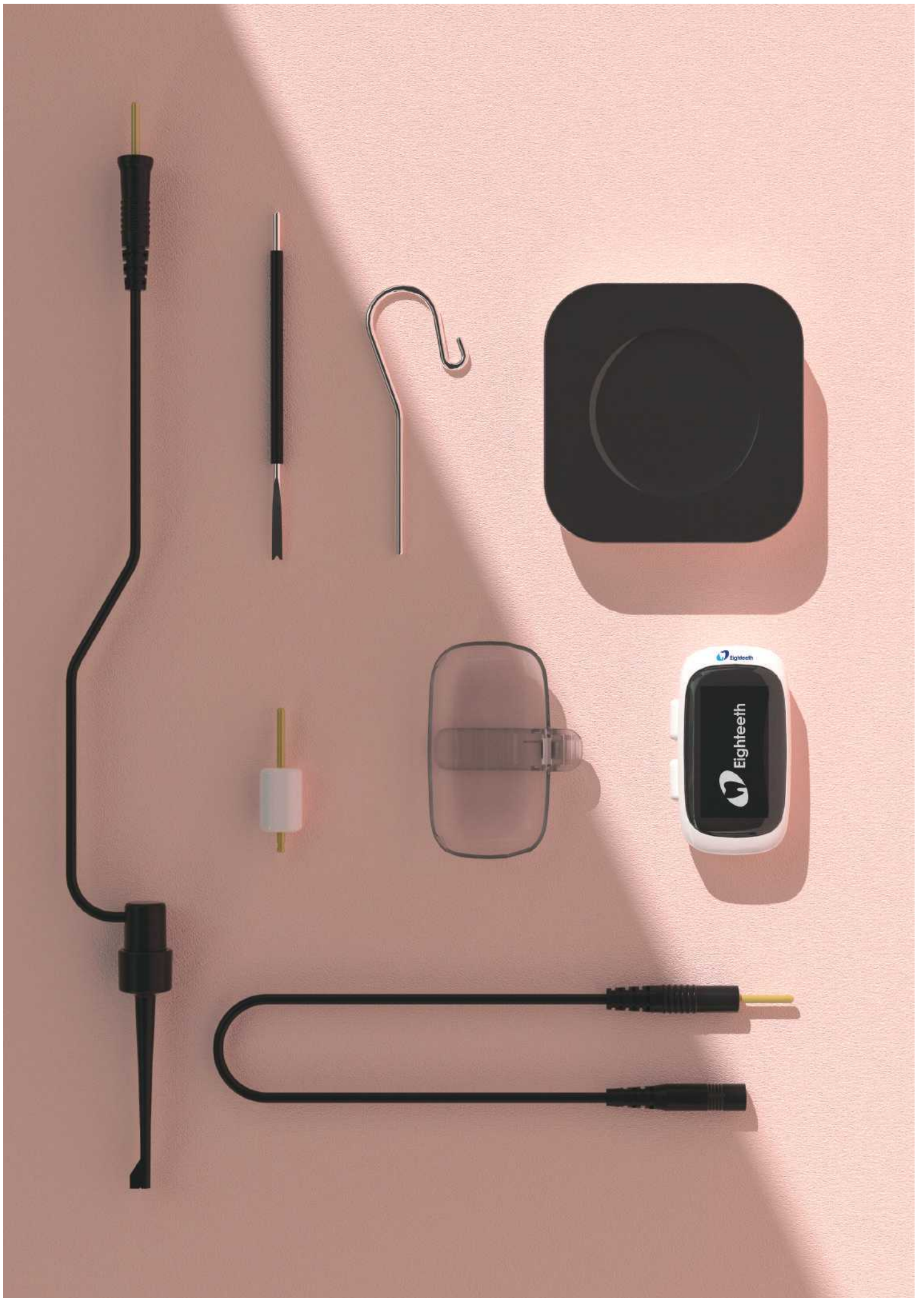
Feel the Charm of Wireless Charging

Lay it down , Charge it up
Charging is as simple as placing
the AirPex on the charging base



True Wireless Apex Locator

Get rid of the wire to the fullest
Use without magnet wire
Accuracy through wirelessness



Air



Sky



Sunrise





Website



YouTube



Facebook

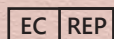


Changzhou Sifary Medcial Technology Co., Ltd

Add: NO.99, Qingyang Road, Xuejia County, Xinbei District, Changzhou City, 213000 Jiangsu, China

Email: ivy@sifary.com

Web: www.eighteeth.com



Landlink GmbH

Add: Dorfstrasse 2/4, 79312, Emmendingen, Germany

Email: info@landlink.eu

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