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wirelex

SMART WIRELESS APEX LOCATOR



BY YOUR SIDE

wirelex

An advanced Apex Locator System
for a convenient, cable-free work environment



UNIQUE DESIGN

- Small measuring unit
- 7” HG touch screen
- The mini measuring unit is linked by Bluetooth® technology to the display unit



USER FRIENDLY

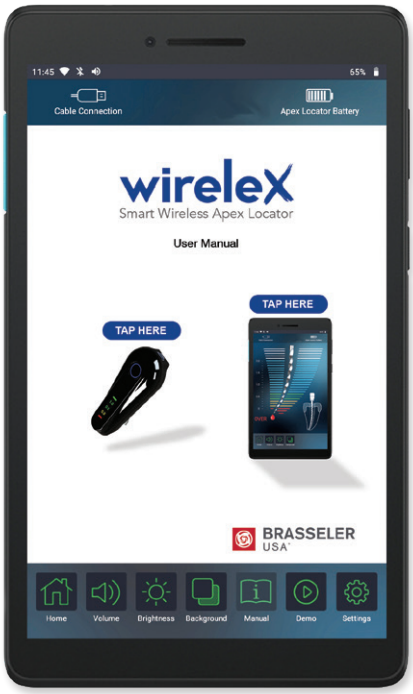
- Eliminates the need to manage long cables between the apex locator display and the patient

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

ADVANCED USER INTERFACE

- Built-in user manual
- Screen color options
- Ability to choose work preference using different graphic interfaces that present progress of file inside canal
- “Virtual Apex” feature allows predetermination of preferred working length
- Automatically updates software when connected to WiFi

BUILT-IN USER MANUAL



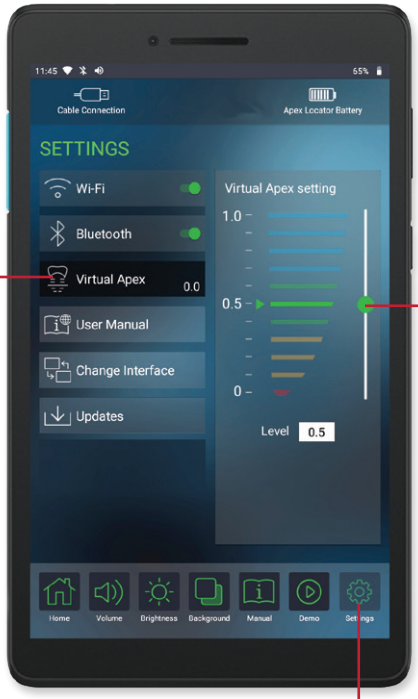
SELECT YOUR PREFERRED INTERFACE



Virtual Apex Tab

Settings Button

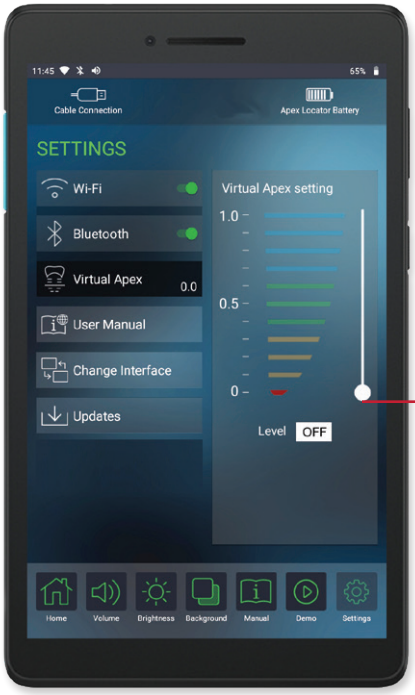
VIRTUAL APEX SETTING



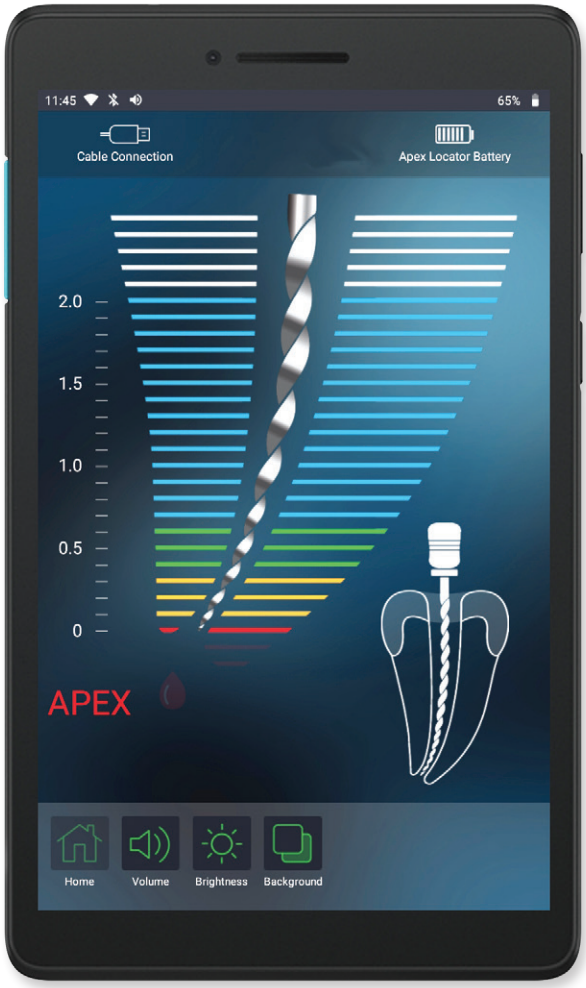
Virtual Apex Tab

Virtual Apex Scroller

Settings Button



Virtual Apex Off Position



CLEAR AND SIMPLE RESULTS

- Clear presentation of the file as it progresses through the Middle zone to the Apical region, followed by sound indication and numerical values
- Displays over instrumentation scale beyond the Apex for establishing apical patency
- Can be used horizontally or vertically

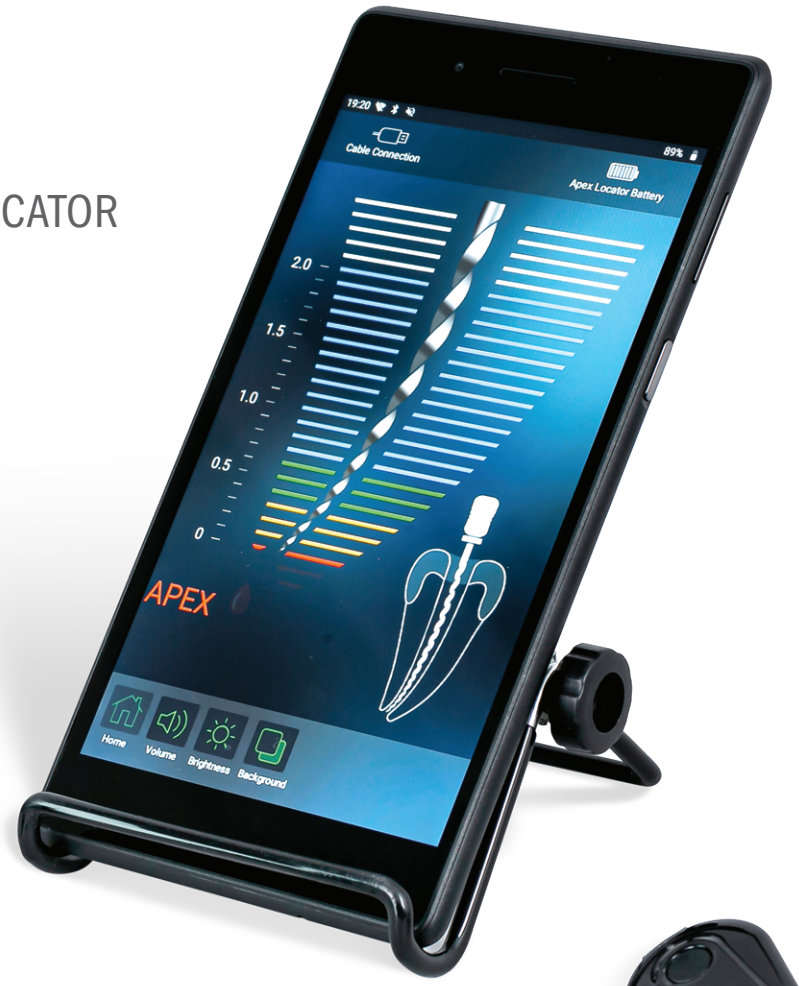


WIRELE-X™
SMART WIRELESS APEX LOCATOR

Order No.	5030838U0

Contents:

1 Apex Locator
1 Display Unit
1 Short Measurement Cable
2 Lip Clips
2 File Clips
1 Touch Probe
1 Charger
1 Stand
1 Quick Guide







APEX LOCATOR UNIT

Dimensions: 66 x 32 x 22 mm
Weight: 15 g
Type of Display: LED
Power Source: 3.7V Lithium-Ion Polymer Battery
External Charger:
Input: 230V / 50-60 Hz or 120 V / 50-60 Hz
Output: 5V DC

DISPLAY UNIT

Dimensions: 110 x 195 x 9 mm
Weight: 260 g
Type of Display: 7" IPS; 1024 x 600 px
Power Source: 3450mAh Lithium-Ion Polymer Battery
External Charger:
Input: 230V / 50-60 Hz or 120 V / 50-60 Hz
Output: 5V DC

STUDY 1

Effectiveness of a new electronic apex locator in two modalities in detecting the working length: an *ex vivo* study



Giornale Italiano Di Endodonzia

June 2021, Volume 35, Issue 1, Pages 24-30

Raffaella Castagnola
Rosalba Diana
Mauro Colangeli
Claudia Panzetta
Luca Marigo
Nicola Maria Grande
Gianluca Plotino

Under the limitations of this *ex vivo* study, Wirele-X™, alone and connected via Bluetooth® with its display, and Dentaport ZX™ showed high accuracy in detecting the working length and were accurate to within ± 0.5 mm, without any statistical differences among them.

https://doi.org/10.32067/GIE.2021.35.01.21

STUDY 2

Micro-CT study of the *in vivo* accuracy of a wireless electronic apex locator



Journal of Endodontics

September 2022, Volume 48, Number 9, Pages 1152-1160

Gustavo De-Deus, DDS, MS, PhD
Viviany Cozer, MSc
Erick Miranda Souza, PhD
Emmanuel João
Nogueira Leal Silva, PhD
Ronald Wigler, PhD
Felipe Gonçalves Belladonna, PhD
Marco Simões-Carvalho, PhD
Marco Aurélio Versiani, PhD

Within the tolerance level of ± .05 mm, Root ZX™ II and Wirele-X™ performed similarly regarding the *in vivo* detection of the major foramen. Using strict criteria, the accuracy of the Root ZX™ II and the Wirele-X™ apex locators were 81.8% and 90.9%, respectively.

https://doi.org/10.1016/j.joen.2022.06.003

STUDY 3

An *in vitro* evaluation of the Wirele-X electronic apex locator



Australian Endodontic Journal

September 2023, Volume 49, Issue 1, Pages 41-45

Lucas Brand, DDS
Craig A. Dunlap, DDS
Raymond Scott, DDS, MSD
Anna Arias, DDS, MS, PhD
Ove Peters, DMD, MS, PhD

...the accuracy the Root ZX™ II and the Wirele-X™ EALs were compared with ACL using an alginate model *in vitro*. Both devices provided a high level of accuracy and reliability. There were no statistically significant differences between the two devices, so the null hypothesis is accepted.

https://doi.org/10.1111/aej.12688

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DentaPort ZX™ and Root ZX™ are trademarks of J. Morita Mfg. Corp.



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HANDPIECES



ENDODONTICS



SMALL EQUIPMENT



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