



PRODUCT PRESENTATION

Distributor IB – for internal use only



Description

The Router X4000 moves with you - fast, precise, and in sync with the flow of modern endo. Its high-speed, intuitive interface keeps you in rhythm, ensuring precision and control without missing a beat. Because when every second counts, performance is everything. No slowdowns, no distractions just smooth, uninterrupted flow from start to finish.



Dynamic
Performance



Ease
of Use

Key arguments



Dynamic Performance

The Router X4000 delivers high-speed precision that keeps up with your rhythm. Built for uninterrupted flow, it combines power and control to handle complex or routine procedures without delay—helping you stay efficient, focused, and confident from start to finish.



Ease of Use

With intuitive controls and one-touch presets, the Router X4000 simplifies every step of your workflow. As a cordless tabletop motor, its clean, responsive interface reduces setup time and distractions, so you can stay fully focused on treatment—not your tools.

Key argument – Dynamic Performance



Dynamic Performance

You need a motor that can match your pace—fast, precise, and dependable. The Router X4000 delivers high-speed rotation with advanced torque control, giving you the stability and responsiveness needed to handle both routine cases and complex anatomies. Whether you're creating a glide path or finalizing canal shaping, the Router X4000 supports your movements with consistent, controlled performance. No resistance, no hesitation—just smooth execution that lets you work at your own rhythm. And with compatibility across multiple file systems, the X4000 adapts to your workflow, helping you stay efficient and confident throughout the treatment.

Key argument – Ease of Use

Ease of Use

The Router X4000 is designed to simplify your day. One-touch presets save you time, while a clean, intuitive interface keeps navigation fast and stress-free. Large icons and smart layout design reduce mental load and allow quick adjustments—even mid-procedure. With a tabletop cordless motor, you get the added benefit of a reliable wireless connection, giving increased freedom and optimized balance for better control and comfort. The motor responds instantly, so you don't have to slow down or lose focus. Everything is designed to move with you, not against you—so you can stay fully immersed in treatment and deliver the care your patients expect, without distraction.



Main Product





Motor handpiece



Main unit



Charging base



Contra-angle



Measuring wire



5x Lip hook



4x File clip



2x Protective silicone cover



2x Touch probe



Spray nozzle



10x Disposable isolation sleeve



Tester



Handpiece OTA Upgrade Adapter



Power adapter

FEATURES - Highlights

CORDLESS FREEDOM, RELIABLE CONTROL

Our new tabletop cordless endomotor eliminates the need for traditional cords, offering a reliable wireless connection between the motor and control unit. This provides clinicians with greater freedom of movement and optimized handpiece balance for enhanced control and comfort.

The detachable, continuously charged handpiece support can be positioned closer to the patient when needed, ensuring flexibility and efficiency during procedures.



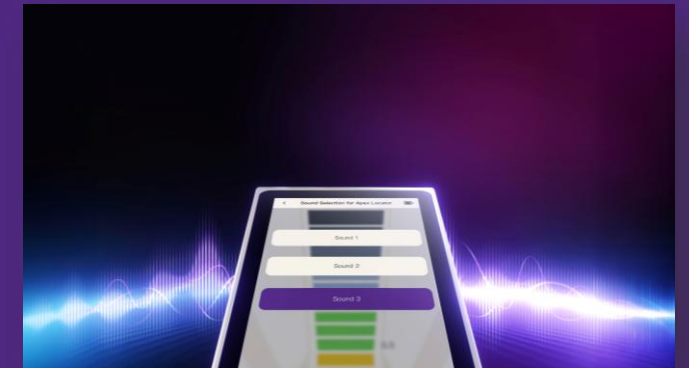
FASTEST ROOTER

Thanks to its high-quality brushless design, this motor reaches speeds of up to 4,000 rpm. This improves stability and responsiveness through outstanding performance.



INTEGRATED PRECISION LENGTH CONTROL

The built-in apex locator ensures safer, more efficient treatments by displaying real-time file location. The Router X4000 automatically stops or reverses once the apical stop is reached, for a seamless experience.



INTUITIVE TOUCH INTERFACE

The large touchscreen simplifies operation, providing clear readings before and during use, while allowing effortless program selection. One-touch presets save your time, while a clean, intuitive interface keeps navigation fast and stress-free—reducing mental load and allowing for quick adjustments.

CUSTOMIZABLE FILES & SEQUENCES

The Router X4000's software allows you to customize file settings and create your own work sequences, with multiple memory presets tailored to your specific needs.



FUTURE-PROOF YOUR MOTOR

The Router X4000 software allows for system updates, so there's no need for a new motor when new FKG systems are released—just update the software and you're good to go.



OPTIMIZED VISIBILITY WITH INTEGRATED LED

The 360° contra-angle of the Router X4000 features a built-in LED light, which can be activated or deactivated based on your preference, ensuring superior visibility during endodontic treatments.



Brushless motor vs Brushed DC motor



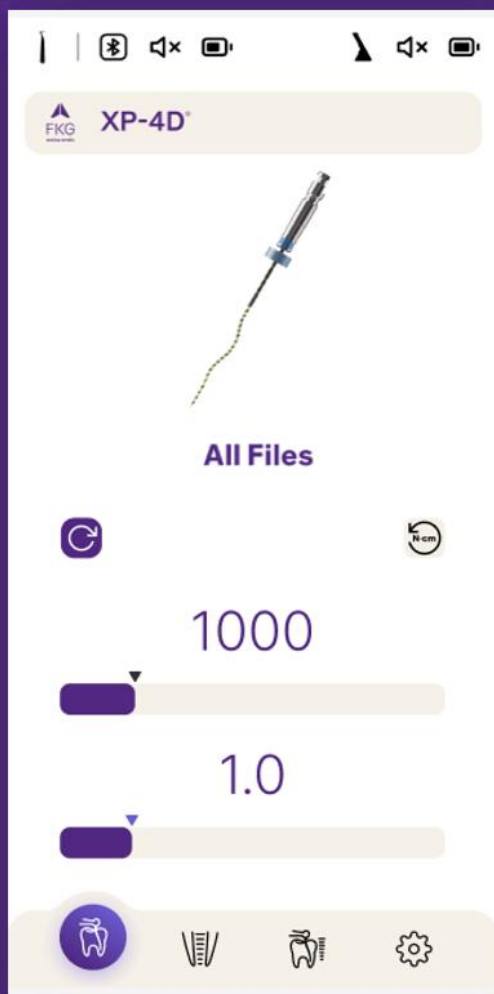
A brushed **DC motor** uses a configuration of wound wire coils, the armature, acting as a **two-pole electromagnet**. A **brushless motor**, by contrast, utilizes a **permanent magnet** as its external rotor. In addition, it uses three phases of driving coils and a specialized sensor that tracks rotor position.

At the same time, brushless motors are considered **more energy efficient** than brushed DC motors. This means for the same input power, a brushless motor will **convert more electrical power** into mechanical power than a brushed motor, mostly due to **absence of friction of brushes**.

Another main difference between brushless or brushed DC motors is that the brushed variants are made of carbon while the brushless units use magnets to generate power. For this reason, **brushless motors are better adapted, generate no friction, produce less heating, and provide better performance.**

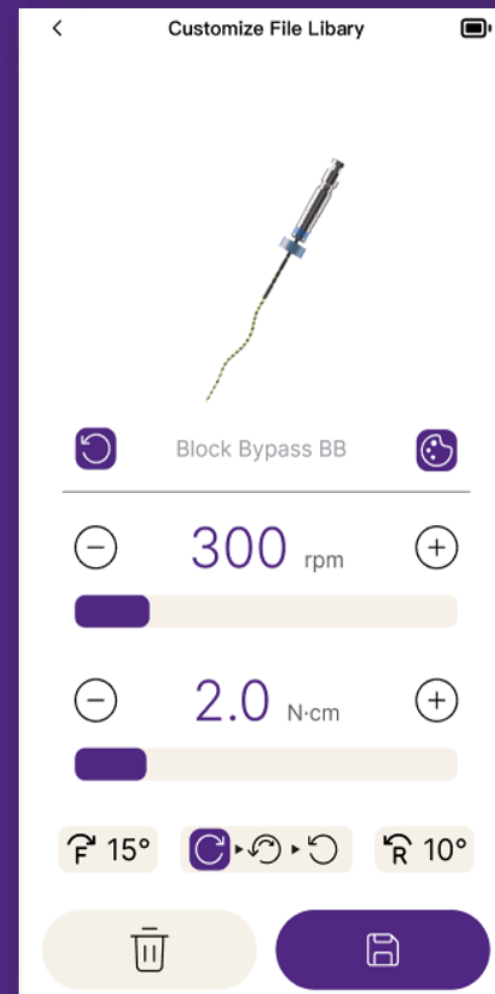
- **Single Motor mode**
 - CW – Clockwise continuous rotation mode
 - CCW – Counterclockwise continuous rotation mode
 - REC – Reciprocating motion mode
 - ATR – Adaptive Torque Reverse mode
 - T-Modes – Two-stage motion to help bypass ledges or difficult areas within a root canal.
- **Single Apex Locator operation mode**
 - EAL – Electronic Apex Locator
- **Combined Motor and Apex Locator operation mode**

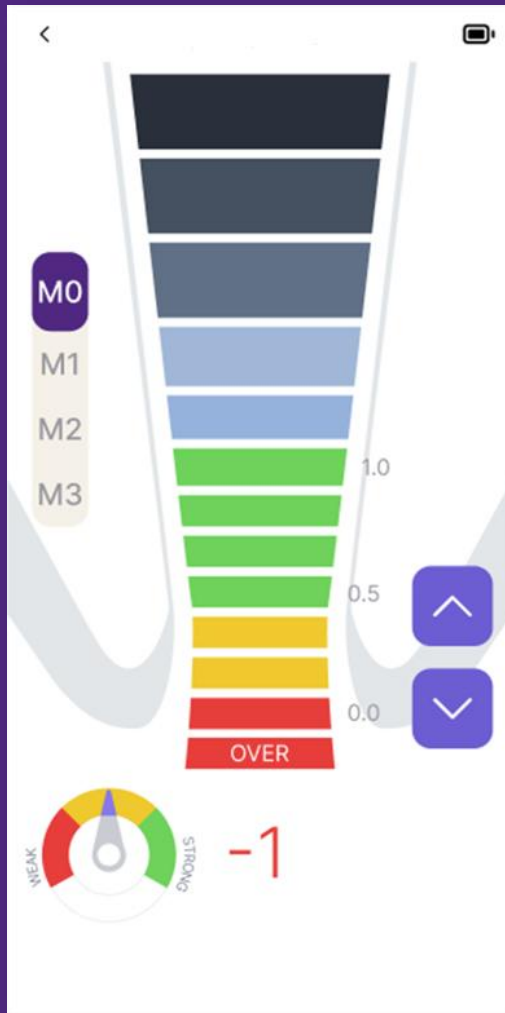
- **Single Motor mode**
 - Torque overload protection
 - LED brightness adjustment
 - Handpiece Control (to start the handpiece motor from the screen)
- **Single Apex Locator operation mode**
 - Set Flash Bar Position
- **Combined Motor and Apex Locator operation mode**
 - Apical Slow Down
 - Apical Action; OFF – STOP – REVERSE
 - Auto Start/Auto Stop
 - Torque overload protection
 - LED brightness adjustment
 - Handpiece Control (to start the handpiece motor from the screen)



10 FKG Preset programs
&
Additional memory to customize

- ☐ XP-4D
- ☐ XP-endo Rise Retreatment
- ☐ XP-endo Rise Treatment
- ☐ RACE EVO
- ☐ R-Motion
- ☐ Finisher/Finisher R
- ☐ PreRace/RaCe/iRace
- ☐ BioRace
- ☐ D-Race
- ☐ Sensipast





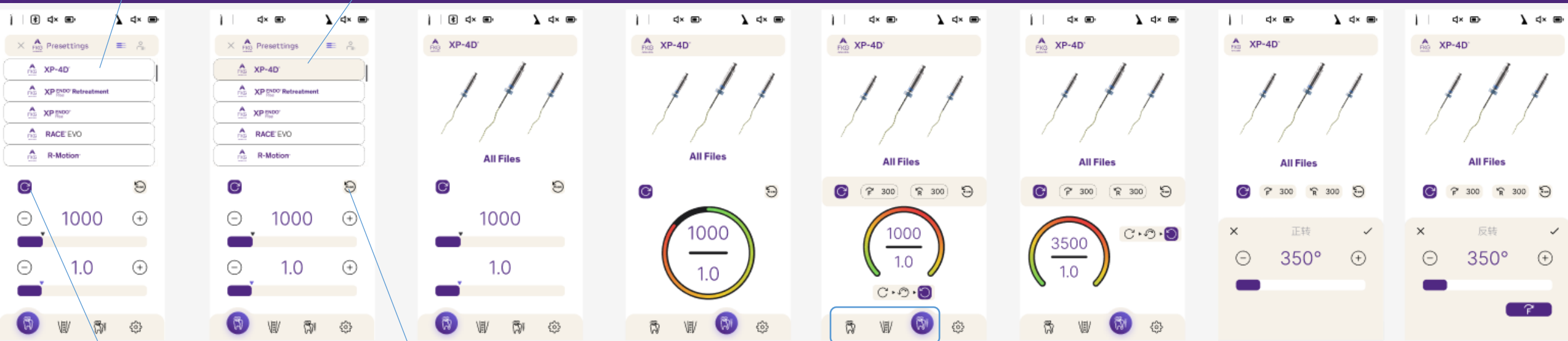
Integrated Apex Locator with Two-in-One Screen Functionality:

Built-in apex locator with a screen that displays the speed and torque of the file in use, as well as its real-time position within the canal. This provides visual guidance throughout the procedure.

Users can now adjust the presets for specific cases, so there's no need to adapt to the motor.
Now, it is the motor that adapts to the user.

Presettings
programs

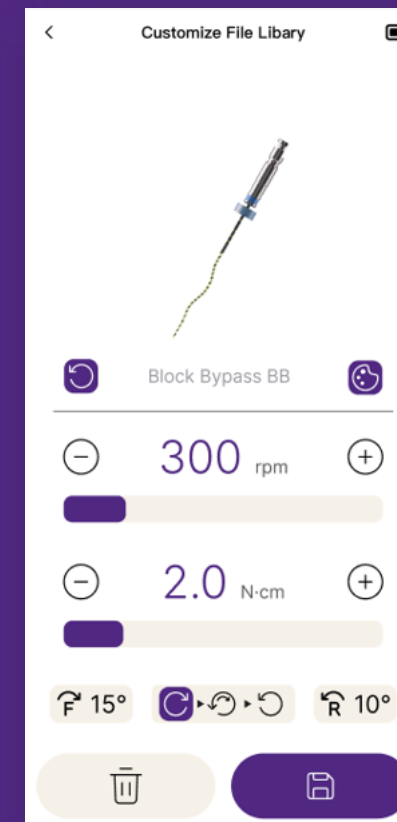
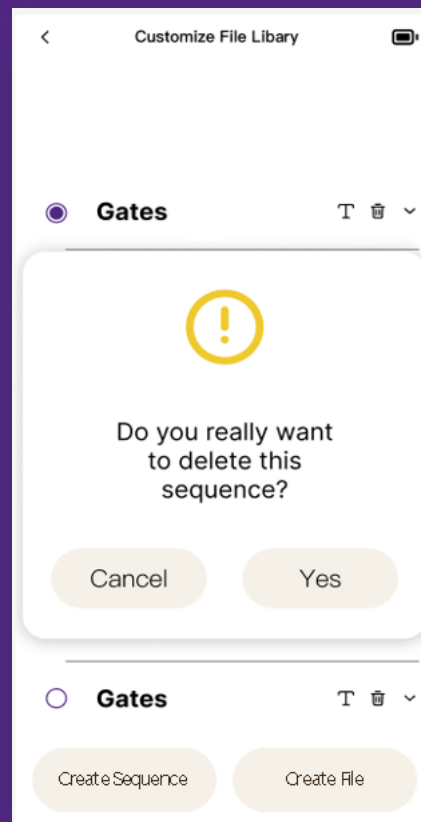
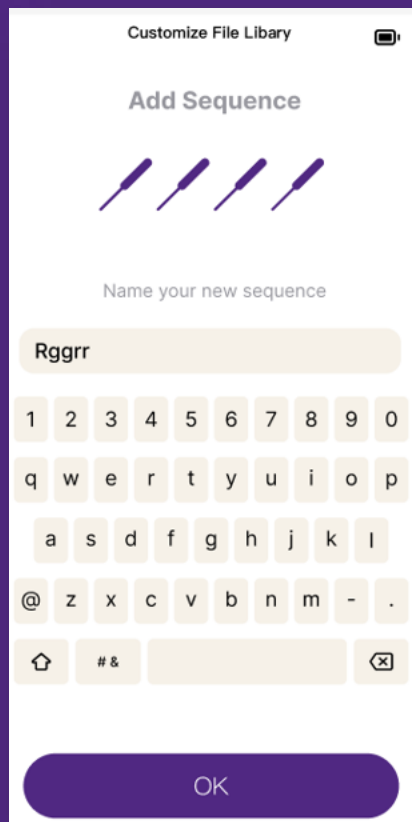
File system name



Operating mode

Auto reverse
function
status

Modes



Customize and create your own file sequences,
and personalize the presets.

Users can choose their favorite image to set as the motor's wallpaper.



SPEED MEANS NOTHING WITHOUT CONTROL.
THE X4000 DELIVERS BOTH INSTANTLY.



"The new Rooter X4000 consistently delivers all the important features of a **cordless endomotor**, **accuracy on speed**, **torque control** and **precise apex locator** measurement.

The motor works perfectly with all FKG files and can be adjusted to rotary, reciprocating movement, and the new feature, which combines both cinematic with one click. The large interface gives me more information and when switching between the presets.

The new Rooter X4000 is a **high-performance, reliable** endomotor that integrates well into my daily workflow."

Dr. Gilberto Debelian
DMD, PhD / Oslo
Norway

PURCHASE ORDER INFORMATION/REQUIREMENTS

ENDO MOTOR PACKAGE*



0897200000FK – Rooter X4000

SPARE PARTS

0897200001FK – Rooter X4000 - Motor handpiece

0897200002FK – Rooter X4000 - Charging base

0897200003FK – Rooter X4000 - Contra-angle

0897200004FK – Rooter X4000 - Spray Nozzle

0897200005FK – Rooter X4000 - Measuring wire

0897200006FK – Rooter X4000 - File clip

0897200007FK – Rooter X4000 - Lip hook

0897200008FK – Rooter X4000 - Touch probe

0897200009FK – Rooter X4000 - Protective silicone cover

0897200010FK – Rooter X4000 - Main unit

0897200011FK – Rooter X4000 - Disposable isolation sleeve

0897200013FK – Rooter X4000 - Lithium Battery main unit

0897200014FK – Rooter X4000 - Tester

0897200015FK – Rooter X4000 - Power adapter

0897200016FG – Rooter X4000 - Handpiece OTA Upgrade Adapter

*The components and accessories from chapter 1.2 of the Rooter[®] X4000 IFU are included in the package.



RECOMMENDED RRP LAUNCH

1,290,00 €*
+IVA

~~PVP: 1,690,00€~~
+IVA

** For purchases made until December 30, 2025*



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Enter our game-
changing universe

