

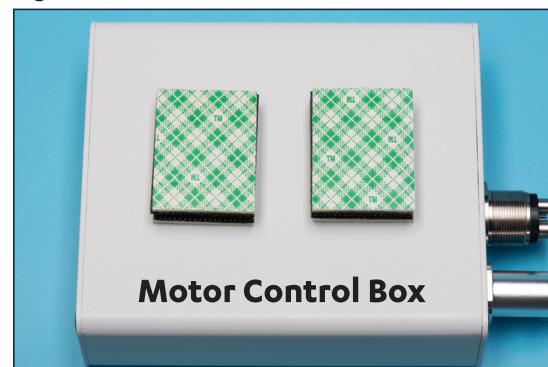
Congratulations on your purchase of dentistry's most advanced electric handpiece system!

WARNING: Read the entire operating manual—including all safety precautions—before using your motor control, motor and attachments!

Installation

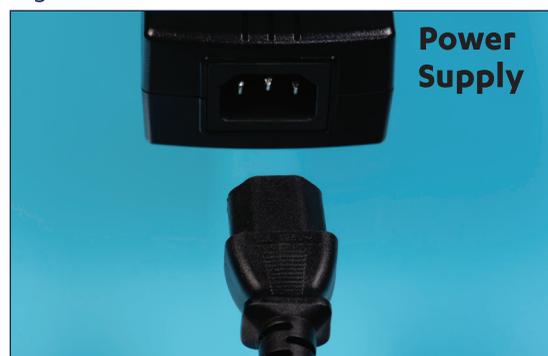
1. Choose a location to mount the motor control box (Figure 1), close to where the handpiece supply hoses exit the delivery system. Keep in mind, the power-supply cable length = 10 feet (3 meters).

Figure 1



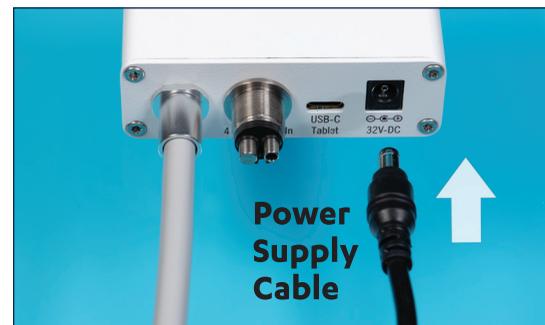
2. Clean surfaces with alcohol pad, then apply two adhesive-backed Velcro pads to one side of the control box (Figure 1). Adhere the other side of the pads to the chosen dental unit mounting surface.

Figure 2



3. Connect the power cord to the power supply (Figure 2). Place the power supply on the floor and plug in the power cord to the electrical outlet.

Figure 3



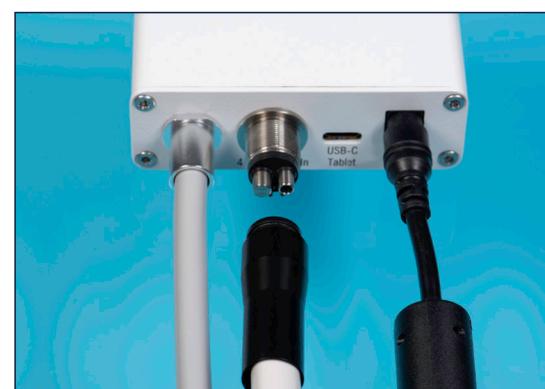
4. Connect the power supply cable to the motor control box (Figure 3).

Figure 4



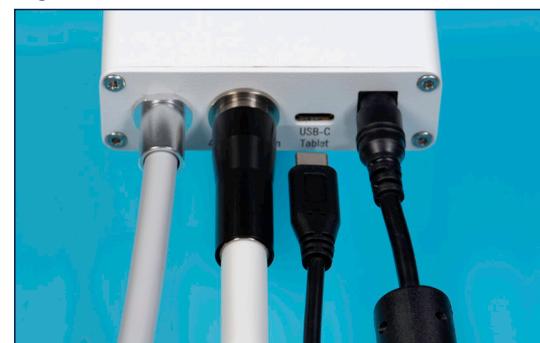
5. Connect the Smoothdrive motor to the end of the motor supply tubing by aligning the connector pins on the motor with the holes in the tubing, then tighten clockwise (Figure 4).

Figure 5



6. Connect a 4 hole handpiece hose from your delivery system to the motor control box and tighten clockwise (Figure 5). Place the Smoothdrive motor in the vacated handpiece hose nest.

Figure 6



7. Plug the smart phone communication cable into the motor control box (Figure 6).
8. Plug the smart phone communication cable into the smart phone (Figure 7).

Figure 7



Figure 8



9. Turn on the smart phone by pressing and holding the power button until it powers on. (Figure 8).
10. Once the smart phone powers on, the Smoothdrive app will automatically open.

Figure 9



11. Choose a location to mount the smart phone. Pick a flat surface (Figure 9) that's easy to reach during operation. It may be mounted on a dental unit arm or any other available flat surface. Keep in mind, the communication cable = 3'10" (1.2 meters).
12. Clean the mounting surface with an alcohol pad. Depress the mount's adhesive surface in the desired location. Then depress the lever on the base of the mount to activate the suction.

Figure 10



13. Attach the smart phone to the mount (Figure 10). The smart phone is retained on the mount by magnetism.
14. Secure any loose cords with the included adhesive "C" clamps.
15. The Smoothdrive motor control is ready to use!

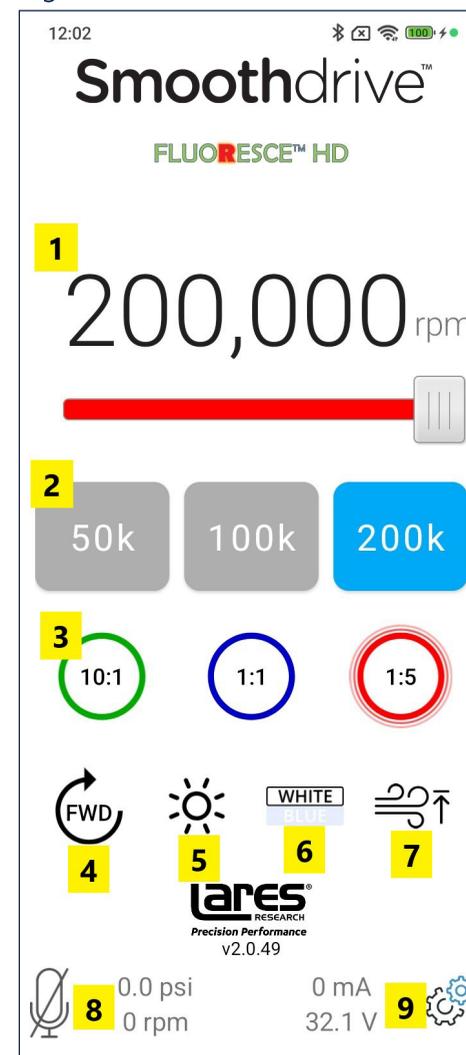
Operation

Selecting Attachment Gear Ratio:

Touch smart phone screen (3) to select (Figure 11):

- Green, 10:1 handpiece:
100 to 4,000 rpm.
- Blue, 1:1 handpiece:
1,000 to 40,000 rpm.
- Red, 1:5 handpiece:
5,000 to 200,000 rpm.

Figure 11



Setting Maximum Motor Speed:

Press one of the preset rpm buttons (2) or slide the maximum rpm slider bar (1) to the desired maximum speed (Figure 11).

Motor Rotation Direction:

Press the FWD/REV button (4) on the smart phone to toggle direction (Figure 11).

Motor LED Light ON/OFF:

Press the LED light ON/OFF button (5) on the smart phone to turn lighting on or off (Figure 11).

Wavelength Selection:

Press the White/Blue button (6) on the smart phone to toggle between white light and 405nm light (Figure 11).

Airflow Method:

Press the airflow button (7) on the smart phone (Figure 11) to toggle between the two modes.

One small arrow varies the speed using the foot control.

Two small arrows will instantly reach the maximum set rpm when foot control is depressed.

Voice Commands:

To change a maximum rpm preset, simply say, "Hey motor" after the "beep", say "One," "Two," or "Three" depending on the maximum rpm preset you want.

To change the motor rotation direction, simply say, "Hey motor" after the "beep", say either "Forward" or "Reverse."

To turn the attachment LED light on or off, simply say, "Hey motor" after the "beep", say "Light on" or "Light off."

To disable voice commands, press the microphone button (8) on the smart phone to mute them (Figure 11).

Additional Settings:

To access the additional settings, click the gear icon (9) on the smart phone (Figure 11). For more detailed instructions, please visit our website at laresdental.com/support.

Getting Started:

Connect an attachment to the motor. Press the foot pedal to operate the motor.

Questions?

Call 1-888-333-8440, ext. 1

Lares Research

295 Lockheed Avenue
Chico, CA 95973
USA

Watch our Setup Video

