

GLO Science

PRO POWER+

In Office Teeth Whitening



USER MANUAL

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General Warnings and Cautions

Read this entire manual before using this product. Not doing so may result in an unsafe condition and/or an ineffective experience.

16 Minute In Office Whitening



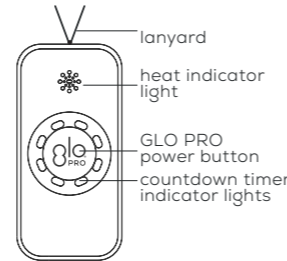
PRO POWER+ Technology



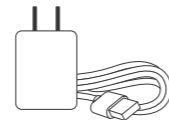
Autoclavable Illuminating Heat Mouthpiece & Case



Portable Charging Base



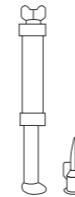
Power Control with Built in Timer



Power Adapter & USB Cable



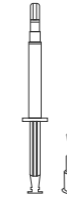
PRO POWER+ Patient Treatments



Professional hydrogen peroxide whitening gel dual barrel syringe (30% or 24%) + mixing tip



Patented lip and cheek retractor

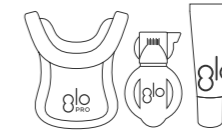


Light cured gingival barrier syringe + tip



Vitamin e and aloe lip care pot

Additional Materials



PRO POWER At Home Teeth Whitening Kit

- hand held mirror
- camera
- prophyl angle
- pumice
- cotton swab



Shade Assessment Guide

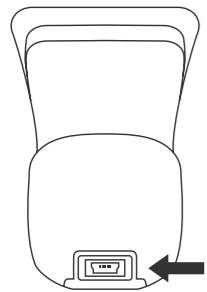
- curing light
- 2x2 gauze
- banda brush
- saliva ejector
- surgical suction
- cotton rolls
- mouth mirror
- explorer
- cotton pliers
- air/water syringe tip
- safety goggles

Experience The Modern Way to Whiten

Device Operation

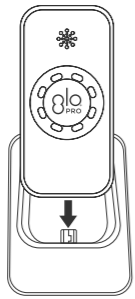
The control is the power source for the illuminating heat mouthpiece. The portable charging base provides the perfect place to store the control while keeping it charged and ready for use.

1



Attach small end of USB cable to back of charging base. Attach other end of cable to power adapter and plug into electrical outlet.

2



Insert control into charging base. Timer indicator lights will begin to blink.

3



When all 8 bands are solid and no longer blinking, charging is complete (~5 hours). When you remove the control from the base, lights will automatically turn off.

4



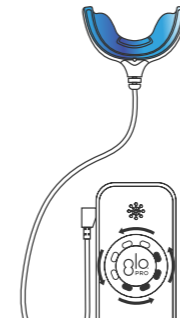
Connect autoclavable mouthpiece cord to the charged control.

5



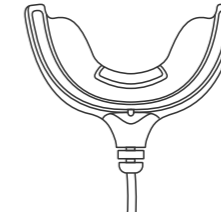
Press GLO PRO button once to turn device on. Warming heat indicator will illuminate orange. Mouthpiece will not illuminate but will begin warming.

6



Press GLO PRO button once again to illuminate mouthpiece and begin 8-minute countdown timer. One indicator light will shut off when each 1 minute interval is complete. When the full 8-minute session is almost complete, indicator lights will begin blinking.

7



When the 8-minute session is complete, the control will beep and the mouthpiece lights will turn off. The control will remain on until the GLO PRO button is pushed again or until automatic shut off after 5 minutes of inactivity.

GLO PRO Power Button

Powering ON

- Press ONCE to turn ON and begin warming.
- Press ONCE AGAIN to illuminate mouthpiece and begin timed 8-minute session.

Powering OFF

- Press ONCE to turn mouthpiece lights OFF.
- Press TWICE to turn device off (mouthpiece lights & warming).
- Device will shut OFF automatically after 5 minutes of inactivity.

GLO PRO POWER+ In Office Teeth Whitening Steps In Detail



* Indicates Technique Sensitive Step (will impact results)
*



1 Take initial teeth shade; share with the patient and enter in chart; photograph patient's "before" smile (with and without matching shade tab).



2 Universal fit mouthpiece has a flexible arch and fits most patients without adjustment. If needed, ends can be squeezed together or pushed apart.



3 Pumice patient's teeth. Use only white pumice to clean the teeth, no prophy paste or fluoride.



4 Squeeze ends of GLO cheek retractor together, place one side in mouth, and then the other side (GLO logo should be visible inside the mouth, resting on the tongue). Place a folded cotton roll under tongue for added dryness while building barrier (may need to be switched out once saturated).



5 Start with the upper arch. Air dry upper gingiva with air/water syringe; apply GLO gingival barrier to gingival margin (and CEJ), and make sure to cover all the attached gingiva 4-5mm. Extend distal at least one tooth.



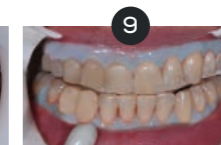
6 If recession is present, cover these areas to prevent sensitivity. Apply gingival barrier to incisal edges on upper and lower anterior teeth. Light cure immediately after gingival barrier placement.



7 Proceed with the lower arch. Air dry lower gingiva with air/water syringe; apply GLO gingival barrier to gingival margin (and CEJ) and make sure to cover all attached gingiva 4-5mm and light cure.



8 Place folded, 2x2 gauze in top and bottom lip vestibules. Gauze is more easily placed when slightly wet.



9 After the teeth are fully isolated, apply GLO lip care on the lips, using a new cotton swab for each application.



10 Attach orange mixing tip to whitening syringe and ensure it is firmly seated onto dual barrel whitening gel syringe; prior to initial use, bleed a small amount onto bracket tray to ensure even mix.



11 Use enough whitening gel to visibly see 2-3mm of gel on each tooth surface isolated for whitening. Brush gel across bottom and top teeth.



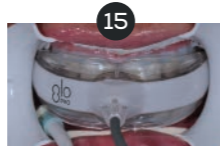
12 Align mouthpiece in mouth, one side at a time, so the GLO PRO logo is rightside up; apply additional lip treatment and ensure lips do not come in contact with mouthpiece or whitening gel.



13 Ask patient to lightly close mouth to secure mouthpiece; patient's jaw should be closed but relaxed. Teeth should fit directly into mouthpiece for best whitening results.



14 Start the 8-minute whitening session by pressing the GLO PRO button twice. The first tap will turn on the device and cause the heat indicator to blink. The second tap will activate the mouthpiece which will illuminate and the heat indicator will glow a solid orange.



15 * Optional: Holding the GLO cheek retractor by the tab, have the patient gently bite down as you insert the small suction between the GLO mouthpiece and cheek.



16 The 8 light bands around the GLO PRO button will count down the 8-minute session counter clockwise, with one light shutting off at each 60-second interval. The control will blink and beep when the 8 minutes are complete. The mouth-piece light will shut off, although it will continue warming in preparation for the next 8-minute session.



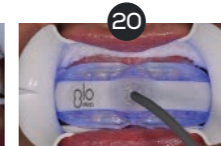
17 At the end of the 8-minute application, gently remove mouthpiece and use a surgical suction to remove whitening gel from the mouthpiece and teeth. Wipe enamel with clean dry cotton roll before every application to ensure next gel application fully contacts enamel.



18 Confirm gingival barrier is still intact; wipe mouthpiece of any residual H₂O₂ gel. Check soft tissue/lips and add more lip treatment. Switch out folded cotton roll under tongue for a new dry roll.



19 Reapply GLO professional whitening gel to all teeth; for best results, prior to reapplying the whitening gel, always bleed the syringe tip for freshly mixed gel.



20 Press the GLO PRO button to start the second 8-minute whitening session; the mouthpiece will illuminate. When the session is complete, double tap the GLO PRO button to shut off the device. It will also automatically shut off after 5 minutes of no use.



21 After final application, remove gel, barrier, and retractor; have patient rinse thoroughly.



22 Take final shade of teeth and note in chart; photograph patient's smile with and without matching shade tab; compare with initial shade and share with the patient.



23 Give the patient their At Home Teeth Whitening Kit for continued whitening and maintenance at home between appointments.

Important Tips to Ensure Optimal Clinical Outcomes

1 22

TAKE A SHADE

Make sure your shade guide is properly arranged from light to dark.



5 7

AIR DRY

Before applying gingival barrier, dry the teeth and gums to ensure that the gingival barrier adheres properly. Gingival barrier should be applied first to gingival margin and then the attached gingiva.



11 19

GEL COVERAGE

Use enough whitening gel to visibly see 2-3mm of gel on each tooth surface isolated for whitening. Brush gel across bottom and top of teeth.



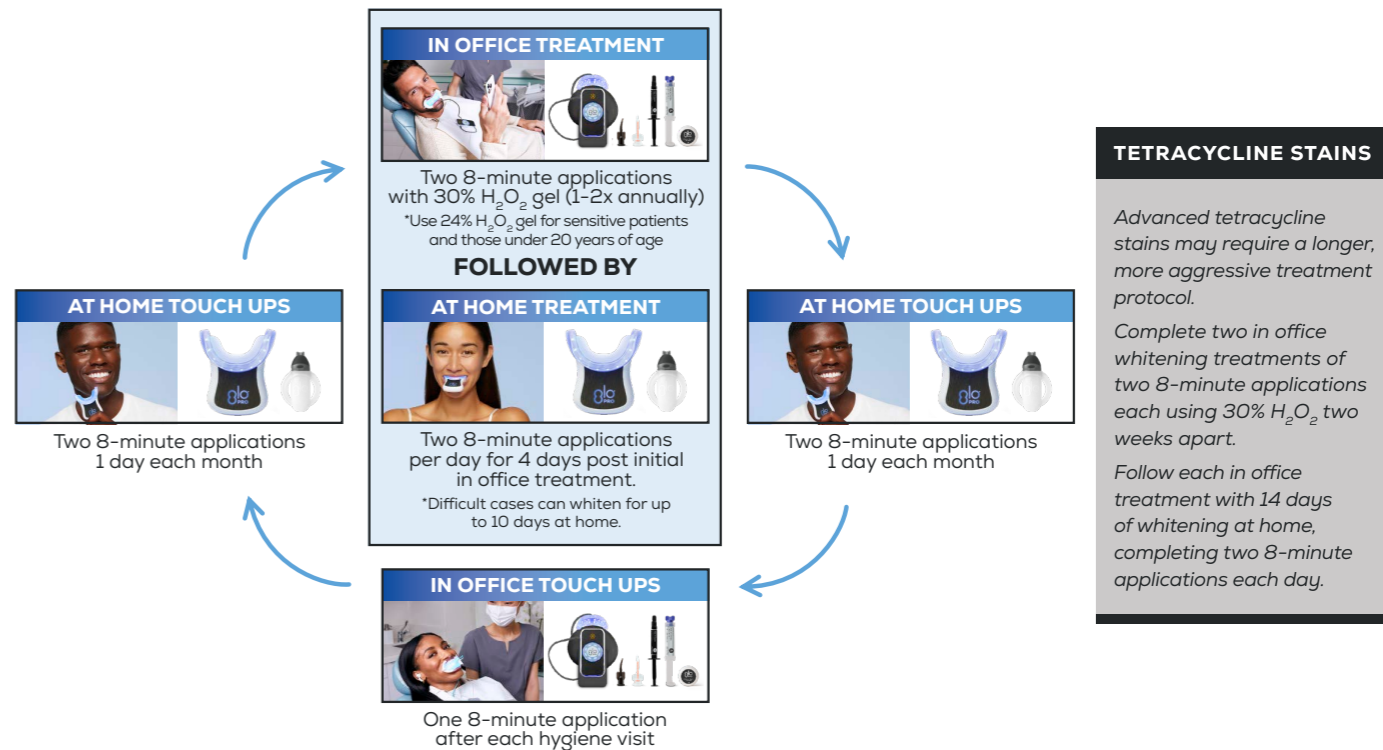
17 18

REMOVE REMAINING GEL

At the end of each application, suction away any remaining whitening gel with surgical suction and use a clean, dry cotton roll to wipe the enamel clean. This ensures fresh gel will come in full contact with enamel for the next application.

GLO Protocol For Best Results

GLO in office treatment followed immediately by an at home GLO whitening regimen yields the best results. This approach, pioneered by GLO Science, enables patients to stabilize their whitening results after their office visit and continue whitening at home to achieve and maintain their ideal shade of white.



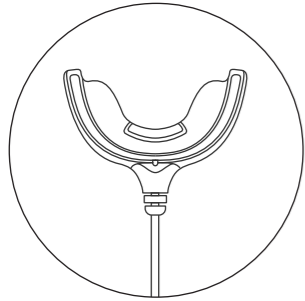
TETRACYCLINE STAINS

Advanced tetracycline stains may require a longer, more aggressive treatment protocol.

Complete two in office whitening treatments of two 8-minute applications each using 30% H₂O₂ two weeks apart.

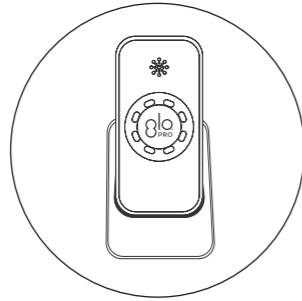
Follow each in office treatment with 14 days of whitening at home, completing two 8-minute applications each day.

Cleaning & Care



Autoclavable Illuminating Heat Mouthpiece

- After each patient whitening treatment, rinse and wipe the mouthpiece clean prior to autoclave sterilization.
- For best results, place in autoclave bag and sterilize alone (without other instruments or materials). Autoclaving together with other tools may lead to discoloration.
- Adhering to proper sterilization protocols is the responsibility of the clinician and practice.



Power Control & Charging Base

- The control and base may be cleaned with a dry (or damp) cloth.
- DO NOT SUBMERGE THE CONTROL OR BASE IN ANY LIQUID.
- Avoid wetting the electrical receptacles for the power cable and mouthpiece cable.

Maintenance and Calibration

Other than cleaning and charging, the control and mouthpiece do not require any maintenance or calibration.



Storage

- Keep the control charging in the base when not in use.
- Store the sterilized mouthpiece in the autoclave bag until ready for use.

FAQs and Troubleshooting

How many times can I autoclave the mouthpiece?

The mouthpiece has been tested to exceed 25 autoclave cycles of 20 minutes each at 121 °C / 250 °F. You can continue to autoclave it until visual inspection indicates that it should be replaced.

How can I tell the difference between the regular whitening mouthpiece and the PRO POWER+ autoclavable mouthpiece?

The PRO POWER+ autoclavable mouthpiece is frosted and has a dark gray cord. This is the only mouthpiece that will work with the PRO POWER+ control.

Is the mouthpiece case autoclavable?

No, the mouthpiece case is not autoclavable.

Will the light from the mouthpiece or control affect my skin?

No, there is no UV light component. The light is 470 nm wavelength (blue) generated by LEDs in the Mouthpiece.

Should my patient bite down on the mouthpiece when it is inside the mouth?

Yes, the patient should gently bite down, maintaining relaxed lips and jaw.

How long will the control battery last when fully charged?

A fully charged PRO POWER+ control can power 18–20 8-minute whitening sessions or up to 10 complete patient whitening treatments of two 8-minute applications each.

What do I do if I need to pause a patient's application?

Do not unplug mouthpiece while the device is on. Simply press the GLO PRO button to turn off the mouthpiece illumination and stop the timer and then remove the mouthpiece from the patient's mouth.

Can I use the device while it is charging?

No. For your safety, the control will not turn on while charging.

What do I do if the mouthpiece will not light up?

Your device will ONLY work when the correct PRO POWER+ mouthpiece (with the dark gray cord) is securely attached to the charged control. Check to be sure you are using the correct mouthpiece and that it is securely plugged in to your charged control.

We are here to help!
Please contact us at info@gloscience.com.

Safety & Efficacy

Contraindications

Research has not evaluated all possible effects of whitening treatment on all patient types. The following whitening candidates should consult a medical doctor before use:

- Pregnant and lactating women
- Those currently undergoing treatment for a serious illness or disorder (e.g. immune compromised, AIDS, etc.)
- Children under the age of 12

Patients who may be more susceptible to sensitivity are those with known hypersensitivity, untreated caries, exposed root surfaces, defective restorations, oral tissue injury, untreated periodontal disease, sunburnt lips/frequent sun exposure.

Safety Precautions & First Aid Instructions

Wear suitable protective clothing and eyewear.

Avoid contact of the whitening gel with soft tissue and salivary flow.

Soft tissue and root surfaces must be isolated and protected with light cured gingival barrier. Improper isolation may result in burning or irritation of gingiva/soft tissue and swollen lips due to hydrogen peroxide contact.

Keep out of reach of children, in a cool place, and away from combustible material.

Wait 7 days after whitening to place bonded restorations. Patients with porcelain fused metal crowns, amalgams, lingual bars or implants may feel heat.

Hydrogen peroxide whitening gel should not be swallowed. If a small amount is accidentally ingested, patient should rinse mouth thoroughly and drink fluids.

Contact a Poison Information Center or medical doctor at once if large quantity is swallowed. Provide ingredient label if possible. Do not induce vomiting and immediately give glass of water.

If Hydrogen Peroxide gel gets into eyes, hold eyes open, flush continuously with water for 15 minutes.

If contact occurs between whitening gel and soft tissue, rinse affected area and apply vitamin e and aloe lip care.

Oral Exam

An oral exam is recommended to ensure that there are no underlying oral health conditions which may disqualify the patient as a whitening candidate. Clean teeth, preferably following a prophylaxis, will respond best to the whitening treatment.

PRO POWER+ Patient Treatment Ingredients



Whitening Gel Syringe Ingredients

Whitening Gel: Hydrogen Peroxide, Silica, Propylene Glycol, PEG 8000, Glycerin, Potassium Hydroxide, Edetate Disodium Dihydrate, Sodium Acid Pyrophosphate

Activator Gel: Deionized Water, Glycerin, Propylene Glycol, Potassium Nitrate, Sodium Hydroxide, Carbomer 940, Edetate Disodium Dihydrate, Sodium Fluoride, Sodium Triphosphate, Potassium Sorbate, Flavor, Colorant



Gingival Barrier Ingredients

Urethanacrylate, Photoinitiator Pigment, Tetrahydrofurfural methacrylate, Bis GMA



Lip Care Ingredients

Ricinus Communis (Castor) Seed Oil, Beeswax, Mentha Piperita (Peppermint) Leaf, Stearalkonium Hectorite, Butyrospermum Parkii (Shea) Butter*, Vanilla Planifolia Fruit Extract, Menthol, Alcohol, Aloe Barbadensis Leaf Juice*, Copernicia Cerifera (Carnauba) Wax, Tocopherol, Ammonium Glycyrhizate, Ubiquinone. *Organic

Store at room temperature (15°-25° C; 59°-77° F).

Keep out of direct light.



Tools & Resources



Visit [glosciencepro.com](https://www.glosciencepro.com) for instructional videos, training tools, marketing resources, and more!

GLO For Good

Our mission is simple - to empower more people with healthy, confident smiles. To be able to smile freely and without pain or shame makes it possible to laugh, to sing, and to connect with others. Everyone deserves to share their smiles with the world.



A portion of profits provides free dental care to those without access through the GLO Good Foundation.

Learn more and get involved at [glosciencepro.com/glogood](https://www.glosciencepro.com/glogood)

One Year Limited Warranty

GLO Science™ Inc. commits to the purchaser that we will replace your GLO Science Device and/or components within one year from the date of purchase, for any manufacturing defect in the PRO POWER+ Technology or components (control, mouthpiece, base).

To report defective product and request an exchange, please call 855 7GLOPRO (855 745 6776). If we determine that your device should be returned to GLO for inspection, we will provide you with a prepaid return shipping label.

If the product is a model no longer being made and is unavailable for exchange, we will happily replace the product with the most recent model.

The 1 Year Limited Warranty does not cover any of the following:

- Defects, damage or other conditions caused, in whole or in part, by misuse, abuse, neglect, negligence, alteration, accident, freight damage, improper repair, improper maintenance, improper, abnormal or excessive use and/or failure to obtain a replacement in a timely manner, as prescribed by GLO Science, Inc.
- Defects or damages that are a result of an act of nature (such as a flood or earthquake) or acts of war or terrorism.

- Damage resulting from improper use of parts or accessories that are not compatible with device and/or components, including but not limited to the breakage or fracture of the device and/or components by any reason other than by manufacturing defect.
- Ordinary wear and tear on the device and/or components.
- Defects or damages as a result of any modification of device and/or components.
- Cosmetic damage, including scratches or dents.
- Accessories or parts that are not those of GLO Science.
- Products purchased, new or used, from unauthorized distributors or through unauthorized distribution channels.
- Damage resulting from use of the device with a voltage source other than the voltage source supplied by GLO Science.
- GLO Science's only obligation under this warranty is the replacement of defective material that comprises the PRO POWER+ Technology or components (control, mouthpiece, base). GLO Science shall not be liable and hereby disclaims any direct, special, indirect, incidental, exemplary or consequential damages or delays or losses under any other legal theory, including but not limited to, loss of use, loss of revenue, or loss of profits.


Warranty Disclaimer

This warranty is GLO Science's only warranty and is in lieu of all other warranties, express or implied. GLO Science™ makes no implied warranties of any kind, including any implied warranties or merchantability or fitness for a particular purpose.

Electrical Specifications:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

Input: 100–240 VAC, 50–60 Hz, 0.2A
Output: 5 VDC, 1A
Light output: 10/0.085W 470 nm Blue LEDs
Recommended storage conditions: 5° - 25° C

 **Battery Disposal Instructions:** Batteries should be recycled or disposed of as per state and local guidelines.

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Patents

US 9,271,638	US 8,371,853	US 9,572,645
US D636,074	US 8,591,227	US D795,501
US 8,029,278	US D765,255	US 9,827,174



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professional whitening



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