

TEETH WHITENING UNIT
MODEL:YS-TW-A

Operation Manual

(Please do read it before install/use)

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1 . WHITE PRINCIPLE

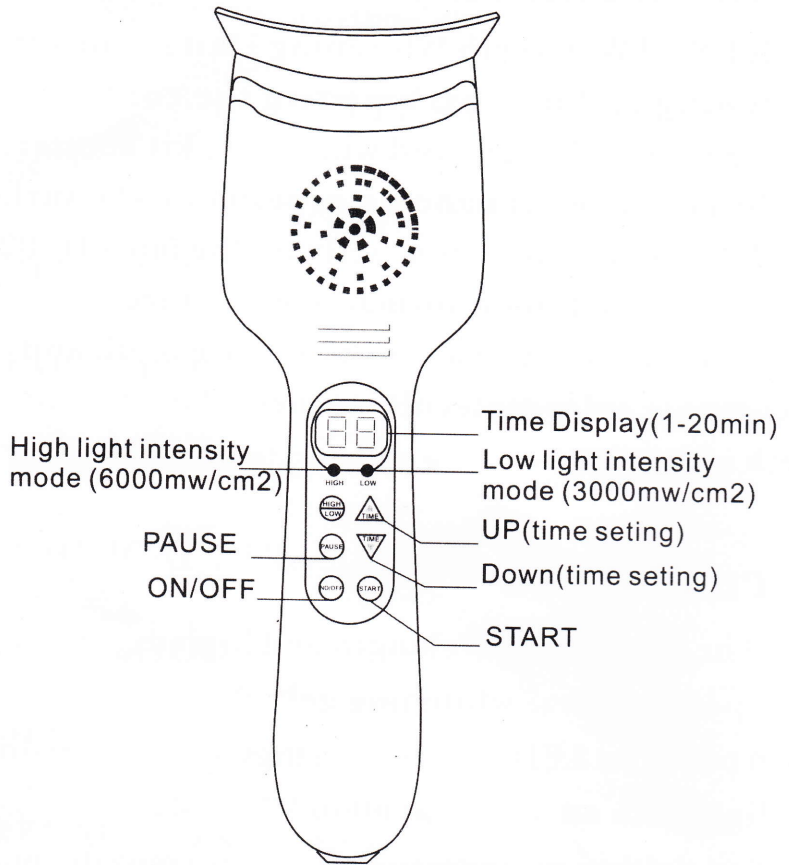
Model:YS-TW-A Teeth Whitening Unit is a new type whitening technology, based on the condition of strong blue LED light and whitening kit accelerant. By the character of nanometer pellet on the surface and Light decomposition, activate the most H₂O₂ in short order on low or normal temperature.

Produce mass oxygen atom permeate teeth and decompose color molecule, to meet the effect of teeth whitening.

2 . CHARACTER

- (1) . The specific wavelength and high density light speed catalyze whitening gel.
- (2). 6 powerful LED tubes emit a high intensive cold blue light with an output at 6000 MW/CM².
- (3). Special design, innocuous silica gel muzzle, make sure stopping intersectional infection.
- (4). The new model of power supply make sure steady power output and long- time continuous working even in some cities and places with mutative voltage.
- (5). Time display could shows treatment time to help dentist master treating time and progress and reduce the waiting time of patient.

3. STRUCTURE AND PARTS



- (1). ON/OFF : Press ON/OFF button to set the unit working.
The power light and standby light on.
- (2). Time setting(UP/DOWN): According to patient's condition, doctor can increase or decrease the time level from 1~20mins.
- (3). PAUSE: Press this button to set the unit to h-i standby mode.
Ready indicator light is off, and standby indicator light is on.
- (4). START: Press this button to set the unit to send LED-luminescence.
- (5). HIGH/LOW: Press this button to choose light intensity as high mode(6000mw/cm²) or low mode(3000mw/cm²).

4 . TECHNICAL PARAMETERS

- (1). Power supply: AC100-240V , 50/60HZ
- (2). Power: 300W
- (3). Light size: 18X74mm²
- (4). Power density: > 60MJ/CM²
- (5). Light timing: 0~20 mins
- (6). Power instability : < 1%
- (7). Working method: time output & continuous working
- (8). Coupling: polyester monowave

5 . USE METHOD

- (1). Connect power source and turn it on..
- (2). The machine is in stand-by after a prompt sound of buzzing. Position "1" would be showed glinting "20"
- (3). Adjust the operation time by "time up/time down" , adjust range from 1 to 20 minutes.
- (4). Alarm sound after pressing "START", and a strong blue light transmitted from the light guide of terminal, time display is counting down.
- (5). Alarm sound for 5 seconds after countdown finished, blue light extinguish.

6 . OPERATION NOTICE

- (1). Please don't turn the power OFF immediately once blue light extinguished, the machine will turn to heat-emitting and cooling condition according to preset procedure
- (2). Light guide terminal is made of the polyester material which is smooth and transparent. Please do not clean it with the incisive object.

- (3). Avoid power line pressed under the heavy item, avoid close to the heat source
- (4). Turn it off without using it.

7 . PRECAUTION

- (1). Operator and patient should wear goggles during treatment;
- (2). Avoid any person coming in and out of the treatment room without fixed duties;
- (3). Keep treatment room ventilation;

8 . MAINTENANCE

- (1). Make regular back-check and keep machine surface clean, should be followed by professional technician.
- (2). This machine is precise optical equipment, it should be used in a clean and dry place without atoms.
- (3). Environment condition: no atoms, no shock, no dampness.
- (4). Treatment room temperature 16-20~C, humidity < 40%.
- (5). Clean up transparent head after each treatment by alcohol (avoid cleaning by sharp objects), make sure it's clean to avoid cross infection between patients. Silica gel muzzle can be sterilized.
- (6). If any "error" shows on the display, it should be turned off, power and stop all operations, notice professional technician.

9. TRANSPORTATION AND STORAGE

- (1). Lay lightly during transportation, avoid strong shake.
- (2). Storage condition:
 - a. Ambiance temperature: $-40 - 55 \sim \text{C}$
 - b. Relative humidity: $\sim < 95\%$

10. MALFUNCTION AND RESOLVE

No.	MALFUNCTION	RESOLVE
1	Turn on the machine, no working	a. check if the power connect well b. power is in bad condition, contact with supplier
2	Light out put port without voltage	a. power is in bad condition, contact with supplier
3	Light output power decline	a. cross section of LED bulb is damaged b. LED bulb life expired, contact with supplier to exchange new one
4	Light output port with voltage, without light output	a. LED bulb is damaged