



# Instructions

Tooth  
whitening  
made easier & **faster**



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## INTRODUCTION

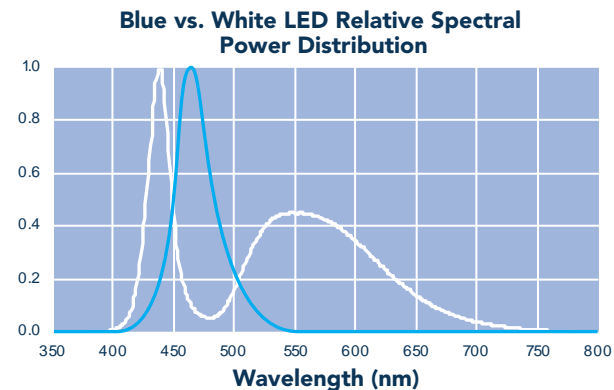
iBrite™ is a revolutionary whitening system that uses a combination of patented light technology in conjunction with a proprietary wavelength-specific whitening solution to safely and effectively whiten teeth by 6 to 10 shades-in one brief office visit. Years of intrinsic staining and discoloration can be reversed comfortably and quickly in one short visit. Independent studies on iBrite™ teeth whitening have proven the process to be completely safe and will not harm any existing dental work.

## STANDARD CONTENTS

<i>Teeth whitening light</i>	X 1
<i>Protective eyewear</i>	X 1
<i>Disposable mouthpiece</i>	X 1
<i>Installation tool set</i>	X 1

## SPECIFICATIONS

<b>Product Classification</b>	Class I Product
<b>Application of Council Directive</b>	93/42/EEC
<b>Total unit weight</b>	~15 kg
<b>Power Supply</b>	Input: AC100~240V, 50/60Hz
<b>LED life expectancy</b>	10,000 hours
<b>Blue LED light intensity</b>	>= 4000 Lux
<b>Blue LED wavelength range</b>	460 nm ~ 490 nm
<b>White LED light intensity</b>	5,500 ~ 6,500 Kelvin
<b>Daylight intensity</b>	6,500 Kelvin



## CONTRAINDICATIONS

The LED light bulbs have a narrow wavelength from 460 to 490 nm and should only be used to accelerate teeth whitening procedures; this device is not intended to light cure dental materials of any kind. We do not recommend bleaching for smokers or alcohol users. Smoking should be stopped before teeth are bleached. Smoking can cause tissue damage on teeth and may defeat the effect of whitening. The best candidates for whitening are those with stains caused by coffee, tobacco or aging.

## LIMITATIONS

Limitations of Tooth Whitening	Comments
<i>Extensive composite and porcelain restorations</i>	<i>If you have pre-existing cosmetic restoration (bonding, porcelain crowns or veneers) they will not be bleached and you may need to replace them in order to match your new color shade.</i>
<i>Pre-existing sensitivity</i>	<i>2/3 of these people will experience some sensitivity for 1-4 days. This is usually reversible upon termination of bleaching.</i>
<i>Severe gray/blue banded tetracycline staining</i>	<i>Guarded prognosis required. Stains in the gray family can be harder to remove, if not impossible. These stains can take up to six months or longer to whiten. Whitening may only reduce amounts of 'masking'.</i>
<i>Pregnant or lactating</i>	<i>No known adverse effects but avoid use as a precautionary measure.</i>
<i>Severe gray/blue banded tetracycline staining</i>	<i>Guarded prognosis required. Stains in the gray family can be harder to remove, if not impossible. These stains can take up to six months or longer to whiten. Whitening may only reduce amounts of 'masking'.</i>
<i>Translucent teeth</i>	<i>May appear darker after whitening.</i>
<i>Amalgam restoration in front teeth</i>	<i>Amalgams may need to be replaced to avoid 'greening effect'.</i>
<i>Temporomandibular Joint Disorders</i>	<i>May want to consider bleaching one arch and monitor comfort before proceeding with the other</i>
<i>Noncompliance or unrealistic expectation</i>	<i>The degree of whiteness is different from one individual to another, the degree of shade change obtainable is dependent on each person's reaction. Certain people react well while others may not be as responsive.</i>

## SAFETY PRECAUTIONS

**CAUTION:** Always refer to manufacturer's instructions for appropriate whitening durations. Do not look directly at the light emitted from this light unit. Do not use this device without protective eyewear for the operator, assistant and patient. The provided eyewear blocks all energy below 550 nm.

## Installation



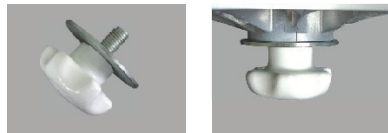
Remove the base with wheels from the box, and lock the 5 wheels.



Remove the pillar from the box, and insert pillar to the center hole of the base



Lock the pillar and base according to the picture.

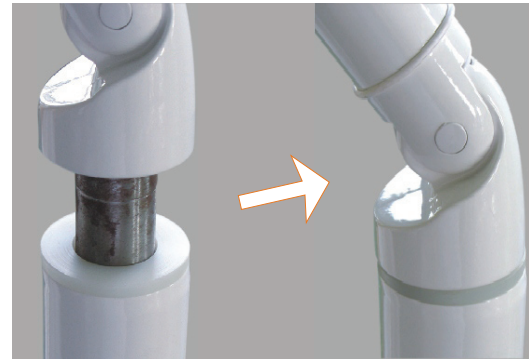


4

## Installation



Connect the wire between the pillar and the arm, and tighten it.



Insert the arm to the corresponding hole of pillar according to the picture.



Place the screw with the tool that comes with the unit, according to your need.

5

## Key Function



**System power button:** This button controls the power of the entire LED light unit. Press the button once to turn the power on, press it again to turn the unit off. The power can be turned off at any time during any procedure.



**Whitening button:** after the unit is turned on and once the whitening duration is set (or if you are using the default 15 minute whitening preset time) press this button to initiate whitening. You may temporarily turn off the LED lights and pause the whitening procedure by pressing this button; press this button again to resume whitening.



**Set time button:** after the light unit is turned on, press this button to set the desired whitening duration. The user has the option to skip this step and use the default 15-minute preset duration, or press this button to cycle through the available preset durations. Each press adds 5 minutes to the duration, and the longest duration is 60 minutes, the digital minutes are displayed accordingly on the LCD screen. After the duration is set, the LCD screen will display the countdown when the user presses the whitening button; when a whitening process is completed, the timer will emit a beeping sound to notify the user.



**Color correction button:** after the light unit is turned on, press this button to turn on the color correction LEDs, press it again to turn them off. This button is disabled during any whitening process, but enabled when a whitening process is paused.

## LED Light Unit Operation Instructions

### A. Overview

The LED light unit's operation/functions are managed by the buttons on the unit's control box and the main power switch; the buttons can only function when their respective back-lights are on, they are disabled otherwise.

### B. Operations

**Step 1:** Plug in the light unit's AC power to a power supply, turn on the main power switch located on the side of the control box, the "ON/OFF" button on the control box lights up indicating the unit is ready to operate, the LCD displays no contents.

**Step 2:** Press "ON/OFF" button to turn on the system power, all control box face panel buttons light up indicating they are currently enabled. The LCD displays.

A digital LCD display showing "15:00" followed by a series of dots and an arrow pointing to the word "Ready".

**Step 3:** Press the "Color Correct" button to turn on the special color correction LEDs on the light head, the LCD displays

A digital LCD display showing the text "Color Correction".

Indicating the current function in use, and the user will be able to get a true color match between a patient's teeth to a dental shade reference card up to 1' away from the light head. Press the button again to turn off the color corrections LEDs before proceeding to the next step. If color comparison is not needed, this step can be skipped.

**Step 4:** press the “Set Time” button to set the desired whitening duration, the LCD will display the durations accordingly. The unit's default preset duration is 15 minutes, each press will add 5 minutes to the total whitening duration, with 60 minutes being the maximum value, one more press will bring the timer back to its default value of 15 minutes, or the user can press the “Reset” button to reset the timer back to its default value.

**Step 5:** Before starting the unit's whitening process, attach the included disposable orange mouth piece onto the light head by aligning its 4 slots (2 are located on the top and 2 on the bottom) with the 4 dots located similarly on the light head, this will ensure maximum user protection against cross-contamination and perfect patient teeth/light head alignment.

When a desired duration is chosen, press the “Whiten” button to initiate the whitening process, the LCD will display the timer's countdown in seconds according to the duration set by the user in the previous step. During the whitening process, all control box face panel's buttons are disabled except the system power button and the “Whiten” button, which now serves as the “Pause” button for the whitening process.

**Step 6:** Press the “Whiten” button at any time during a whitening process to turn off the whitening LEDs and pause the process; when a whitening process is paused, only the system power “ON/OFF” button, the “Whiten” button and the “Color Correct” button are enabled.

**Step 7:** The “Color Correct” button is enabled only when a whitening process is paused or when no whitening process is taking place. If the button is pressed when a whitening process is paused, pressing the “Whiten” button will automatically resume the whitening process while simultaneously turning off the special color correction LEDs.

**Step 8:** When a whitening process is finished, the timer will emit a beeping sound indicating the end of the process, while the LCD displays the process's user-set duration.

## Special Notes

1. For user convenience, the light unit's whitening LEDs and color correction LEDs cannot be turned on at the same time.

2. This unit does not have battery-powered memory function, therefore it will not store any information prior to complete power-off (turn off the main power switch, or unplug the AC power), each time the machine is turned on, all numbers are reset to their respective default values.



*Chairside LED  
Whitening System*

## WARRANTY STATEMENT

All Pac-Dent electronic products are warranted to be free from defects in materials or workmanship for: 90 days of free service and parts from the date of purchase for new equipment, from that point on until one year from the date of purchase for service; and 90 days for newly-overhauled equipment in lieu of repair. Within the applicable period, Pac-Dent will, at its sole option, repair or replace any components which fail in normal use. Such repairs or replacement will be made at no charge to the customer for labor, provided that the customer shall be responsible for any parts and transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alterations or repairs.

Note: Repairs have a 90-day warranty. If the unit sent in is still under its original warranty, then the new warranty is 90 days or to the end of the original one year warranty, depending upon which is longer.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE. IN NO EVENT SHALL PAC-DENT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Pac-Dent retains the exclusive right to repair or replace the product at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

### **Procedure for Claims under Non- and Limited Warranties**

To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Online auction confirmations are not accepted for warranty verification, and Pac-Dent will not replace missing components from any package purchased through an online auction. Pac-Dent retains the exclusive right to either repair or replace the unit with a "newly-overhauled" (NOH) unit or new unit at its sole discretion.

Please complete these two easy steps:

#### **STEP 1: Contact Pac-Dent Technical Support to receive an RMA number.**

Call or e-mail Pac-Dent Technical Support Specialists to describe the problem you are experiencing and request a Return Material Authorization (RMA) tracking number. You will need to provide the unit's serial number (if applicable), your return shipping address, and a daytime telephone number.

\*\*\* The disassembly of iBrite® LED light head and control box require an authorized person to send specific instructions to customers who want to send in parts for repair. Please contact Pac-Dent International, Inc.'s technical support center. \*\*\*

Phone: 1-909-839-0888

Fax: 1-909-839-0881

**STEP 2: Ship the unit, along with the RMA number, to Pac-Dent.**

Once you have received the RMA number, securely package the unit and ship it (insured) to the following address:

**Pac-Dent, Inc.**

Warranty & Repair Department

670 Endeavor Circle,

RMA Number: (insert your RMA number here - see above)

Brea, CA 92821 U.S.A.

(TEAR OFF HERE)

## RETURN INFORMATION CARD

ITEM NAME: \_\_\_\_\_

SERIAL NO.: \_\_\_\_\_ DATE PURCHASED: \_\_\_\_\_

DENTAL SUPPLIER: \_\_\_\_\_

POWER: \_\_\_\_\_ VOLTAGE: \_\_\_\_\_

CUSTOMER NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

Please fill in this "Return Information Card" to the manufacturer at:  
Pac-Dent, Inc.

670 Endeavor Circle, Brea, Ca 92821, USA for user's record and future services.