

# B-CURE® LASER PRO

## INSTRUCTIONS FOR USE



**B-CURE®**  
LASER PRO



GOOD  
ENERGIES®

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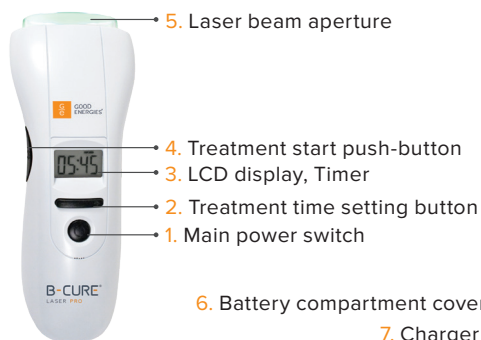
For better comfort it is recommended to use  
B-Cure adjustable stand (not included)



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### 1. Component legend



- 6. Battery compartment cover screw
- 7. Charger socket

#### Package content:

- B-Cure Laser device
- B-Cure case
- Instructions For Use
- Batteries
- Charger (please see battery charger technical specs. on page 10)
- Screwdriver for battery cover

Upon opening the package, please verify that it contains all the above mentioned equipment. Please make sure the device is unharmed. If anything is missing or damaged, please contact the distributor immediately after purchasing.

### 2. Battery charging

Inside the battery compartment there are 3 (type AAA) batteries partly charged. Complete the charging by plugging the charger into an electrical outlet and connect the charger to the socket.

Battery charge time is approximately 7 hours, or until the word "FULL" appears on the screen. We recommend you charge the device overnight once every three days, or when the display blinks/the device stops functioning.



### 3. Battery warnings

The battery charger cable may present a choking or trip hazard if the device is left unattended in the vicinity of infants and small children. Recharge the device battery in a safe place, away from the reach of children. Store the battery charger in a safe place when not in use.

- The AC/DC charger that comes with the device is the only charger allowed for use.
- Do not take apart the batteries, heat them over 100°C or burn them.
- Discard the batteries at an appropriate recycling center.
- Do not turn the device on while it is being charged.
- Do not, under any circumstances, charge ordinary, non-rechargeable batteries; it might cause a fire.

### 4. Safety precautions



- The patient is the intended device operator. The patient may safely use the device including all its functions, e.g.: charging and changing the batteries.
- Use the batteries recommended in this instruction of use.
- **Never aim the laser beam at the eyes.**
- It is always recommended to consult your doctor.
- If you are pregnant do not use the device to treat the stomach.
- Do not treat an area with a malignant tumor.
- When charging battery, position the device in such a way that will facilitate access to the plug.
- If the performance level of one of the device components (laser energy, charger, etc.) changes, please contact the distributor.
- Warning: If you are allergic to polyester, nylon or plastic, please don't use this device.
- Warning: Keep the unit out of reach of infants, young children or pets to avoid hazards.

### 5. Contraindications

None

### 6. Operating instructions

#### 6.1 Switch the device ON

In case the device was stored in extreme temperatures (lower than 0°C or above 40°C), allow the device to rest for approx. 20 minutes until the following use. Press the main power switch (No. 1). After a short beep the display will switch on and a timer will be displayed (No. 3).

#### 6.2 Set treatment time

Press the treatment time setting button (No. 2): on its right side to increase time (+) or its left side to decrease time (-). The timer is adjustable in increments of 30 seconds.

### 6.3 Activate the laser beam and begin treatment

Step 1: press the “treatment start push-button” (no. 4 in the component legend illustration) with one finger, and make sure the green light at the front of the device is on. Step 2: continue pressing this button and simultaneously press, using an additional finger on the pressure switch area (no. 1 in the illustration). Step 3: release both buttons at the same time. Now the laser beam is active and treatment can begin. Place the device gently in full contact with the skin. Do not treat on top of clothes or bandaging. To stop the functioning of the device, briefly press the “treatment start push-button” (no. 4 in the illustration).

During treatment, you will see a green light indicating the device is functioning. “Beep” sounds at 3 second intervals indicate that the device is functioning and that the stopwatch is counting down until reaching “00:00” at which time the device’s functioning will automatically end and the “Beep” sound will stop. Hold the device on the skin steadily and motionless during the whole duration of the treatment.

#### Demonstration of the activation of the laser beam after setting treatment time



After setting the treatment time, press the “treatment start push-button”



Continue pressing and simultaneously press using an additional finger on the pressure switch area



Release both buttons simultaneously. Now the green light is on and treatment can begin

### 6.4 End of treatment, reset and turn OFF

To switch off the device, press the main power switch until a beep sounds. Release the button and the display will go blank. If the planned treatment time has not been fully utilized, the timer will display the remaining time at startup. To reset the timer, switch off the device, then press the main power switch for longer than 2 seconds while switching on the device.

## 7. Treatment protocol

### 7.1 Intended use

B-Cure Laser is intended for the management of pain including: Chronic back pain; Chronic neck pain; Knee pain; Carpal Tunnel Syndrome (CTS); Fibromyalgia; Myofascial Pain Syndrome (MPS); Temporomandibular Joint Disorder; May assist as an adjunctive treatment in treating acute and chronic wounds, Acupuncture treatment.

## 7.2 Treatment course and dosage

Start treatment in 1.5 minute dosage for each treatment point and increase the dosage gradually within 24 hours until you reach 6 min. Treat twice a day, consistently. If you experience increased pain following treatment, stop the treatment for 24 hours then start again with a reduced dosage. You may increase the dosage to 4 treatments a day. In cases of acute pain, trauma or non-chronic aches, you may apply a dosage of 8 minutes from the first treatment.

## 7.3 Coverage

The laser beam size is 4.5 cm long and 1 cm wide. If the area that requires treatment is larger than the 4.5/1 cm, repeat treatments on the adjacent area until you've covered the whole area.

## 7.4 Treatment recommendations for common conditions

**The recommended time for each point of treatment is 6 minutes, 2-4 times a day.**

For all recommended treatment therapies, consult the human body illustration, page 7.

- 1. Chronic back pain** - Treat lengthwise along the painful vertebrae of the lower back, to the left and the right of the spine. For Ischia - pain radiating to the lower limb - Identify the focal point of the pain by touch and treat it.
- 2. Chronic neck pain** - Treat **a)** Lengthwise, along the vertebra. **b)** Treat each side of the neck, lengthwise; under the ear lobe, and exactly at the indentation behind the jaw.



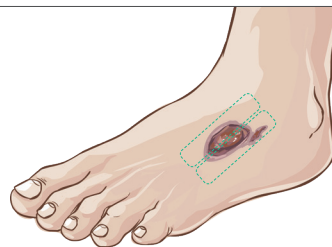
The size of the laser beam of the B-CURE® LASER

### For wound treatment

Set treatment time to 8 minutes. Activate the laser beam and hold the device about 1 cm above the wound, motionless, until the termination of the set treatment time. If the area of the wound exceeds the size of the laser beam area (1x4.5 cm), set the stopwatch again to 8 minutes and treat the adjacent treatment point and repeat until the whole surface area of the wound has been covered.

In order to ease the holding of the device and improve posture, it is recommended that the B-CURE stand should be used.

Using B-Cure Laser Pro to treat diabetic wounds and hard to heal wounds, is in addition to the standard treatment and does not replace it. The illustration demonstrates treating a wound that is 4 cm wide and requires two consecutive treatments. Place the device, for 8 minutes, on one area unit, and then, set it again for 8 minutes and treat the adjacent area unit. Make sure, to perfectly cover the margins of the wound measuring 3 millimeter on each side.



B-Cure adjustable Stand

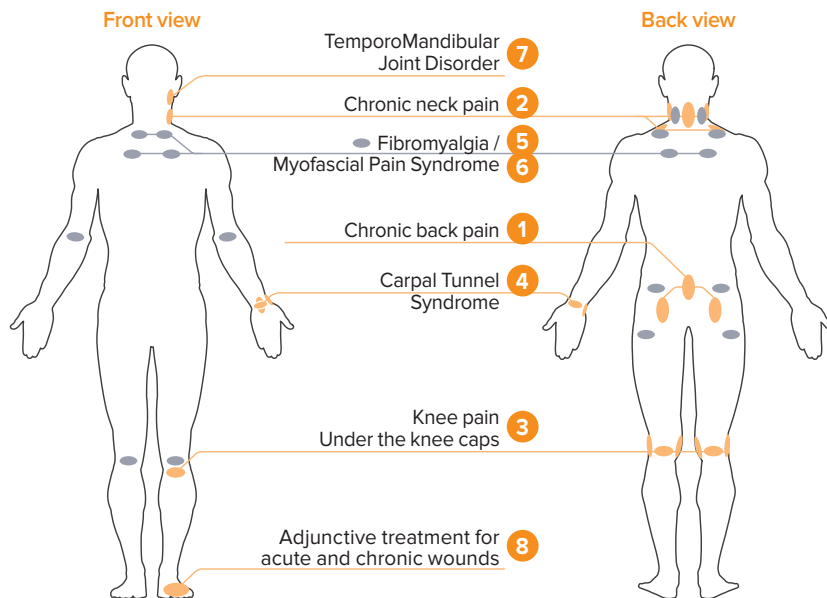


3. **Knee pain** - Treat the sore knee **a)** On the back of the knee along the inner crease. **b)** On the outer side of the knee, lengthwise. **c)** On the inner side of the knee, lengthwise. You can also treat the front of the knee, under the kneecap.
4. **Carpal Tunnel Syndrome (CTS)** - Treat the sore wrist **a)** On the inside, along the width of the joint - on the crease. **b)** On the inside, perpendicular to 'a', lengthwise. **c)** Treat the length of the thumb, along the pad. You can also treat the back of the hand, at the gap between the thumb and the bone of the index finger towards the joint, and from both sides of the joint, lengthwise.
5. **Fibromyalgia** - Treat the aching area.
6. **Myofascial Pain Syndrome (MPS)** - Treat the aching area.
7. **TemporoMandibular Joint Disorder** - Treat along the length and width of the TemporoMandibular joint.
8. **Adjunctive treatment for acute and chronic wounds** - Treat over the entire wound area.

**Tip:** Always start from the most painful point and then move to other spots, so as to ensure you are treating the central problem first, to the best of your knowledge.

### Human body illustration with recommended treatment points:

- Note the illustrated beam direction
- You can treat any point in the body except the eyes
- In case of a raw wound or skin tissue, do not place the device in full contact with the skin. In any other case, place the device on the skin itself
- Do not treat on top of clothes or bandaging
- Do not move the device during treatment
- It is advisable to treat all the recommended points, to ensure treatment efficiency



## 8. Control panel and troubleshooting

### Display Status



Batteries charging



Batteries fully charged



The icon-**\*** is displayed to indicate the device is currently operating



Full battery power



Low battery power, two beeps will sound after startup as a reminder to recharge. Charge the batteries



No battery power remains. Charge the batteries immediately



The device will shut down automatically after 10 beeps due to lack of battery power. Charge the batteries



Batteries are not charging. Switch the device off then on again to fix this error.  
If the problem persists, switch off the device, remove the batteries and then reinsert them.  
If the problem persists, ship or deliver personally the device to the service center.



The indication "LOW" is displayed when laser power level is below the required level.  
Treatment should be stopped. The cause may be one of the following:

1. Battery power is too low.
2. Diode lifespan has reached its end and should be changed at the service center.
3. The device is operated in a different environment than for which it was designed, e.g. temperatures higher than 40°C. Charge the batteries, switch on the device and see if the writing "LOW" has disappeared. If not, verify that room temperature is not exceptionally high, and if necessary move away from the hot area. If not higher than 40°C and the writing "LOW" is still displayed - ship the device to the service center for diode change.



Additional signals for errors of this type:



Hardware/software error has occurred. Switch the device off, then on again, to fix this error.  
If the problem persists, switch off the device, remove the batteries and then reinsert them.  
If the problem persists, ship or deliver personally the device to the service center.



## 9. Technical specifications

Property	Units	Description, value	Notes
Laser type		GaAIAs	Solid state laser diode
Maximum power	mW	250	Max
Wave length (infrared)	nM	808	
Pulse frequency	kHz	10.9	
Laser pulse duration	μs	31.5	
Diode lifespan	hours	1000	
Energy per minute	Joul	5	
Laser beam dimensions (LXH)	mm	Length 45 x width 10	at opening
Beam divergence	degrees	±3	
Green control light indicator	nM	520	Green light beam signaling device is operating
Timer setting	minutes	00:00 to 99:30	
Timer intervals	seconds	30	Increment or decrement
LCD display dimensions	mm	26 x 15	Visible area
Timer display		4 digits (88:88)	1-second intervals
Beep warning		yes	Display: Device on, off, operating, low laser power, errors
Power supply	W	3.2	maximum
Automatic shutdown		2 options	automatic shutdown when not in use for 10 minutes; 5 minutes when timer is set to 0 (00:00)
Battery type			3 AAA rechargeable batteries (NiMH)
Battery working duration	hours	2	with fully charged batteries
Battery charging time	hours	5-7	with discharged batteries
Batteries charging current	mA	300	minimum
Power supply	VAC	100 to 240	AC/DC charging adapter 115/230 VAC, 65/50 Hz Supply 9V, 500mA
Dimensions	mm	200 x 70 x 40	

## 9. Technical specifications - continued












Property	Units	Description, value	Notes
Charger output voltage	VDC	9	Dongguan Shilong Fuhua Electronic Co., Ltd./ EU plug: UES06WV-090060SPA, US/JP plug: UES06WU-090060SPA, UK plug: UES06WB-090060SPA.
Weight	grams	175	
Operating conditions	C°, %	temp. 0° to 40°, humidity 15% to 90%	without condensation
Storage conditions	C°, %	temp. -20° to 55°, humidity 10% to 95%	without condensation

## 10. Device maintenance

1. Clean the laser beam aperture (No. 5), using a 70% alcohol solution . Clean between sessions if needed and before handing it to another person's usage.
2. While cleaning, be sure to prevent wetting the lens.
3. Keep the device in proper storage and work conditions as specified in the technical specification table, do not leave the device in the car in hot weather. When not in use, store the device in a dry room and protect it against extreme moisture, heat, lint, dust and direct sunlight.

## 11. Warranty

The warranty is for 24 months according to company policy, as is detailed on warranty certificate. If batteries and/ or a charger are supplied with the device, they are not included in the warranty. The manufacturer/ distributor is responsible for performance, safety and reliability of the equipment only on condition that all repairs are carried out exclusively by company-authorized personnel.

Consult accompanying documents 	Temperature limitation 	Humidity limitation 
Electrical and electronic equipment 	CE marking of conformity 	Caution, consult accompanying documents 
Type BF 	<b>IP22</b> – International Protection	Manufacturer 
Recycling 	Authorized representative in the European community	
3 x 1.2V AAA Rechargeable batteries   9V, 300 mA (For charging via AC/ DC adaptor)		



# B-CURE<sup>®</sup> LASER PRO

## INSTRUCTIONS FOR USE



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CE 0197



**Manufacturer: Biocare Enterprise Limited**

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Made in China

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**\*Logistic purposes cannot be fulfilled at this address.**



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